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选型方案入口



抖音官方账号

TOKK

高精度滑台模组选型

梯欧开机器人(苏州)有限公司



HIGH PRECISION SLIDE MODULE

高精度电动滑台-对位平台

E4

* 产品不断改良, 当外形与参数变更时, 均以实样为准, 恕不另行通知。

* All specifications, dimensions and construction shown in this catalogue are subject to change without prior notice.

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公司简介
COMPANY PROFILE



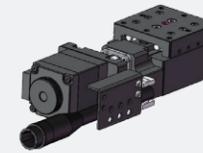
Teoco Robot (Suzhou) Co., Ltd. is headquartered in Xiangcheng District, Suzhou, currently has two R & D centers in Suzhou and Shenzhen, of which there are 25,000 square meters of manufacturing center in Suzhou, and more than 40 R & D personnel, all of whom have more than 10 years of R & D experience.

Linear motor precision motion platform, high-precision alignment platform, high-precision electric Z axis, KK module, servo press and other products. The factory is equipped with CNC machining center, CNC milling machine, grinder, wire cutting, grinding machine and other equipment; It can meet the needs of standardized mass production.

The company's products mainly serve in 3C, lithium, photovoltaic, panel, semiconductor and other major industries, and are widely used in precision detection, cutting, dispensing, assembly and handling scenes.

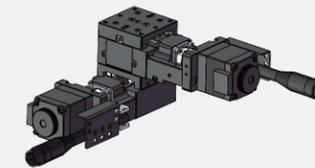
The company will adhere to the principle of "customer achievement, win-win cooperation, craftsman spirit, reliable altruism", with the vision of "becoming the world's preferred brand of automation parts", constantly explore and innovate, and strive to create a well-known brand with international competitiveness, to provide customers with quality service and support!

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TXA4015B-L1-M28 01-04



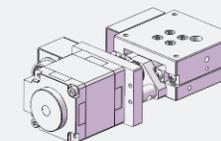
Electric XY shaft series

TXA4015B-L1-M28 05-08



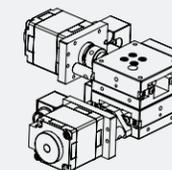
Electric Z-axis series

TZA4015B-L1-M28 09-11



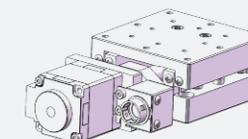
Electric X-axis series

TXA4015B-L1-M28 13-16



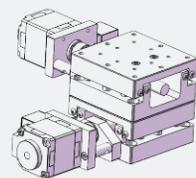
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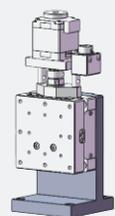
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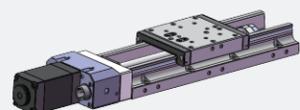
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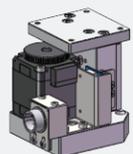
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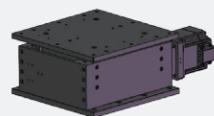
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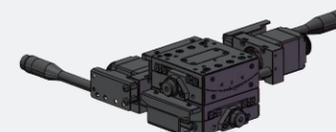
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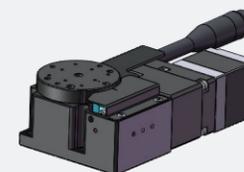
Electric alpha shaft series

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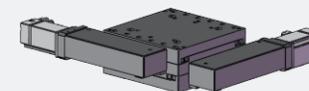
Electric $\alpha\beta$ shaft series

TAA6050-L1-M28 49-50



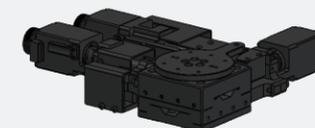
Electric theta axis series

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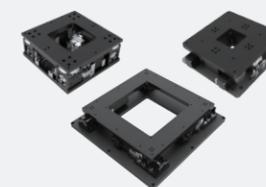
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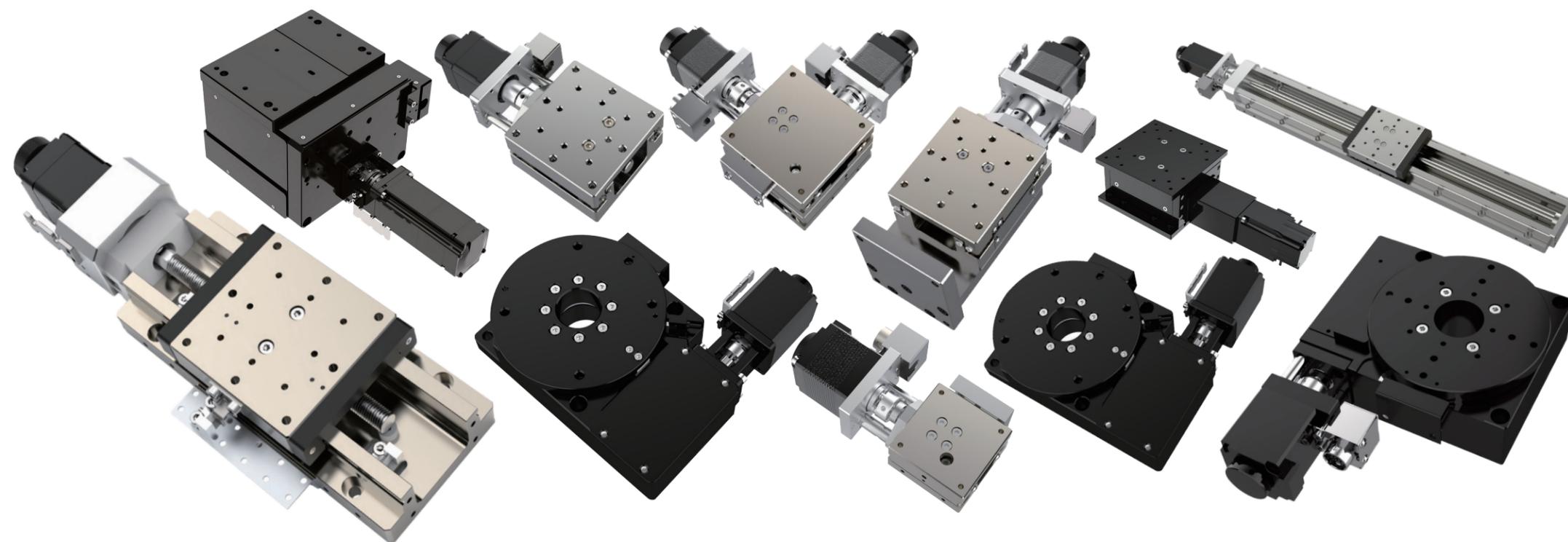


UVW alignment platform

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XXY180A-PM28 XXY450A-PM57 XXY650A-PM57

XXY190A-PM28 XXY550A-PM57 XXY1000A-PM57



Product introduction

Electric slide table is also known as automatic slide table, also known as electric displacement table, slide table, module, etc., which is mainly composed of motor, guide rail, ball screw and slide block and other components; The working principle is that the ball screw is driven by the motor to convert the rotating motion into linear motion, so that the slider does the reciprocating linear and arc pendulum motion on the guide rail, so as to achieve accurate position and motion control.

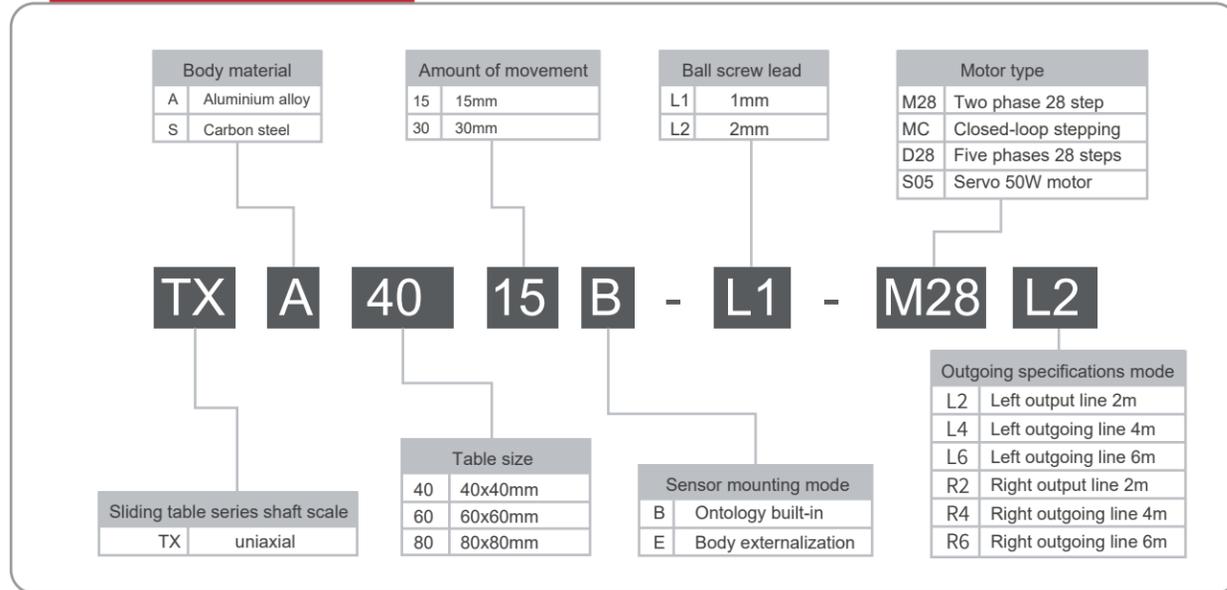
With its characteristics of ultra-high precision, high speed, high stability and intelligent control, electric slide plays an important role in the field of industrial automation, promoting the improvement of production efficiency and production quality: it has a wide range of applications in the field of industrial automation such as automobile manufacturing, electronic manufacturing, food processing, laser applications, and medical devices.

The types of electric sliding table include: electric linear sliding table, electric lifting table, electric rotating table electric Angle measuring sliding table, multi-axis integrated sliding table, multi-axis linkage combined sliding table, etc. The application of precision positioning scenarios such as product processing, assembly, handling, calibration and visual inspection in the industry is highly efficient.

Electric X-axis

Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

Product model description

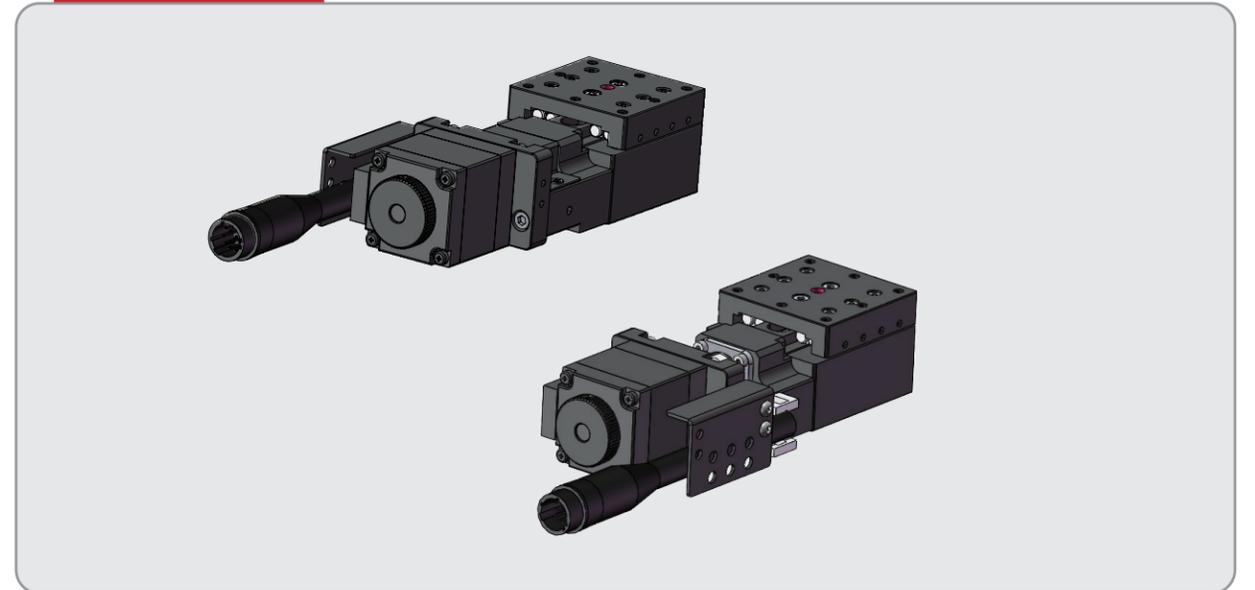


| Model number | TXA4015B-L1-M28L | TXA6020B-L2-M28L | TXA6030B-L2-M28L | TXA8030B-L2-M42L | |
|----------------------------------|---|--------------------------------------|---|------------------|---------|
| | TXA4015B-L1-M28R | TXA6020B-L2-M28R | TXA6030B-L2-M28R | TXA8030B-L2-M42R | |
| Mechanical specification | Table size | 40X40mm | 60X60mm | 60X70mm | 80X80mm |
| | Moving stroke | 15mm | 20mm | 30mm | 30mm |
| | thickness | | 30mm | | |
| | Sliding orbit | | Cross roller guide | | |
| | Transmission mode | | Ball screw, lead 1 or 2mm optional | | |
| | Body material and surface | | Aluminium alloy - black anodized | | |
| | Body weight | 0.45kg | 0.6kg | 0.8kg | 1.25kg |
| | accuracy level | | Normal form | | |
| Outgoing direction | | L: left outlet R: right outlet | | | |
| Precision specification | Resolution (pulse) | | 5µm(Full)/2.5µm(Half) | | |
| | Maximum speed | | 10mm/sec(Lead 2 is 20mm/sec) | | |
| | Unidirectional positioning accuracy | | Within 15µm | | |
| | Repeated positioning accuracy | | ±1µm | | |
| | Load (horizontal mounting) | 5Kgf | 5Kgf | 8Kgf | 15Kgf |
| | idle | | 5µm | | |
| | parallelism | | 30µm | | |
| | Straightness of motion | | 3µm | | |
| Parallelism of motion | | 10µm | | | |
| Electric appliance specification | motor | Type/exit axis | Two phase/five phase stepper motor /28/42- Double discharge shaft | | |
| | | Brand model | Shinano/Naruchi/Oriental (Optional) | | |
| | | Step Angle | 1.8° / 0.72° / 0.36° | | |
| | | Rated current | Two-phase: 1.3A/phase; Oriental five phases: 0.75A/phase | | |
| | sensor | Limit sensor | Micro photoelectric sensor OMRON-Sensor | | |
| | | Origin sensor | | | |
| | | Input voltage | DC24V ±10% | | |
| | | Current consumption | Up to 60mA (individual sensor 20mA) | | |
| | | Control output | NPN open collector output DC24V 8mA or less | | |
| | | Output control | When detecting (shading) : output transistor OFF(non-conducting) | | |
| | Grating scale | 12Pin male and female connectors HRS | | | |
| | Extension cable specifications | 2m, 4m, 6m, 8m, 10m (optional) | | | |
| Drive brand | Linson Ether CAT Open loop bus (optional open loop one tow two and closed loop bus) | | | | |

Electric X-axis

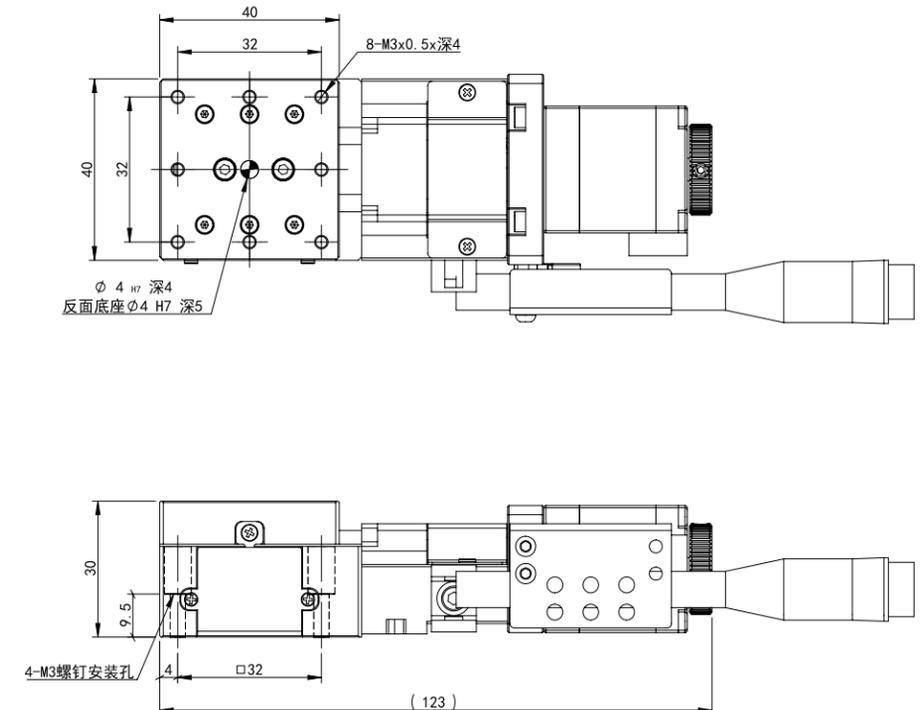
Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

TXA4015B-L1-M28L



Overall dimension

TXA4015B-L1-M28L

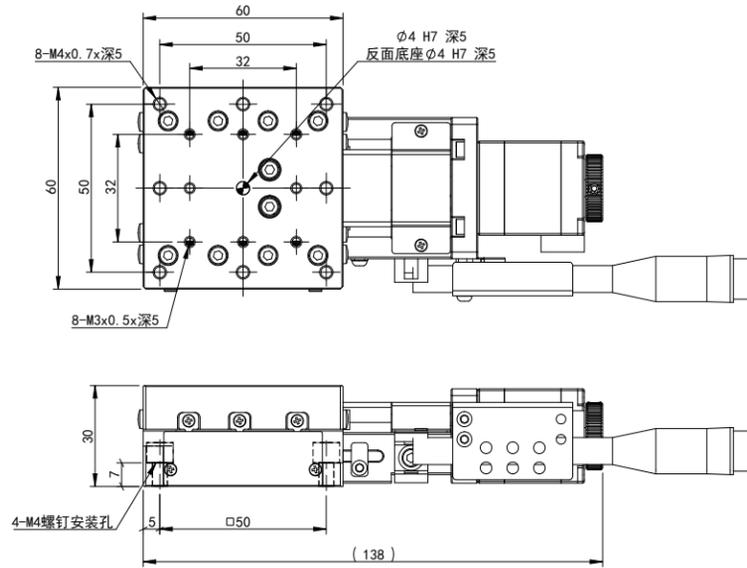


Electric X-axis

Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

External dimensions

TXA6020B-L2-M28L

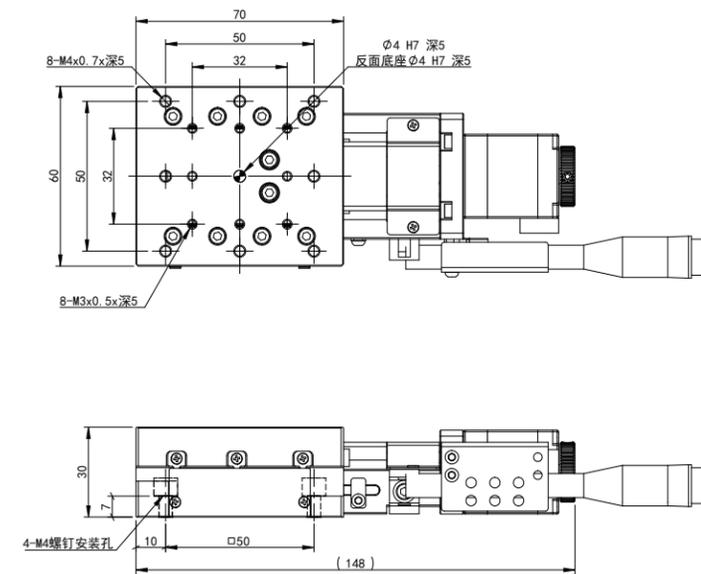


Electric X-axis

Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

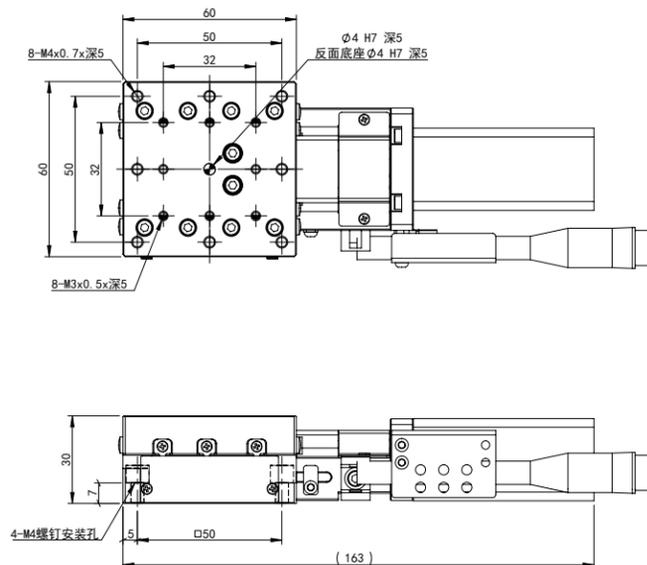
External dimensions

TXA6030B-L2-M28L



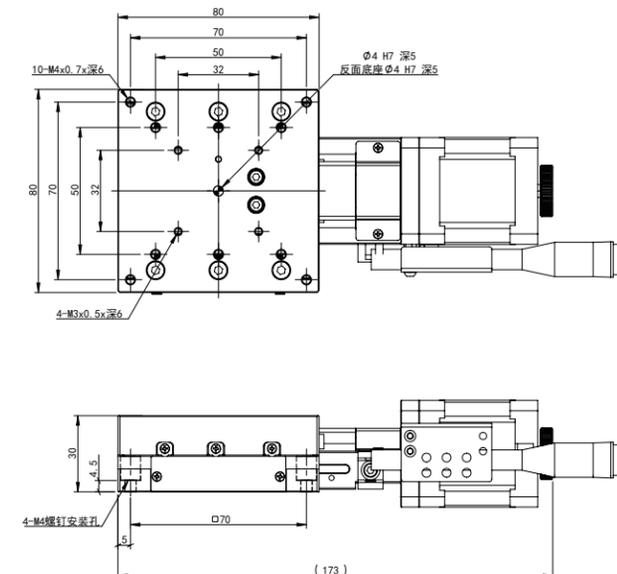
External dimensions

TXA6020B-L2-MC28L



External dimensions

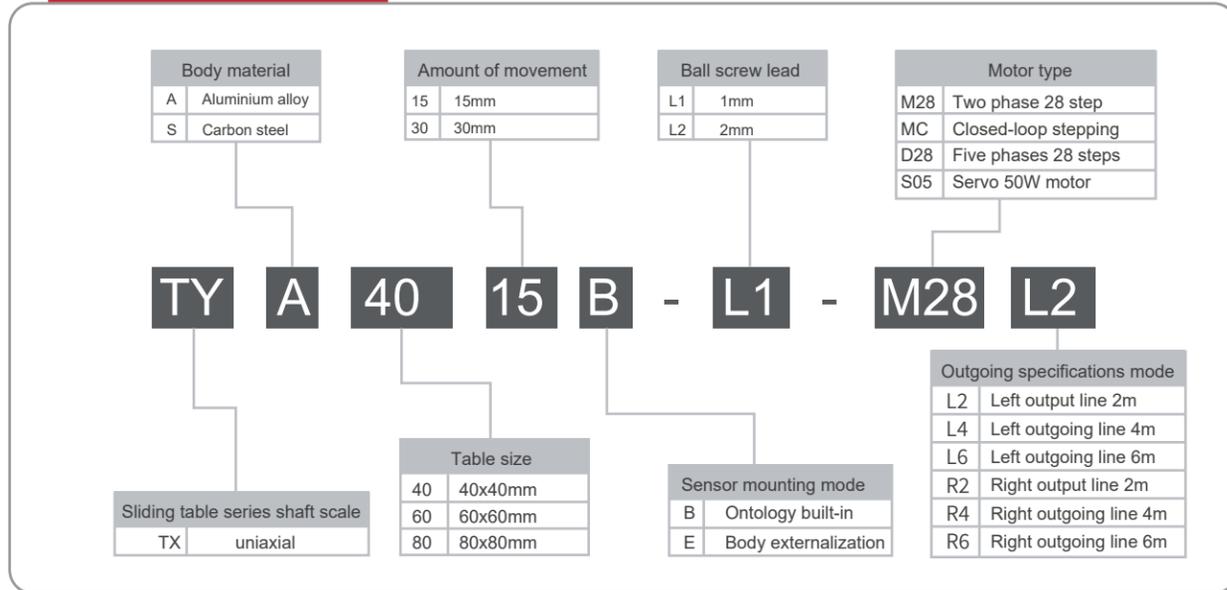
TXA8030B-L2-M42L



Electric XY shaft

Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

Product model description

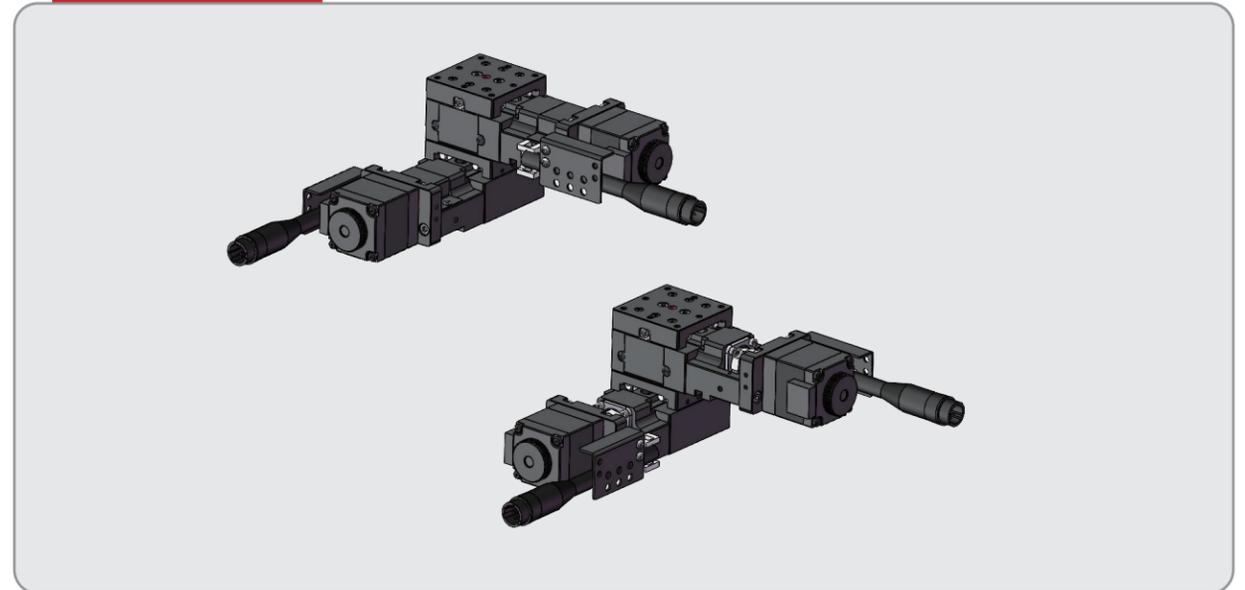


| Model number | TYA4015B-L1-M28L | TYA6020B-L2-M28L | TYA6030B-L2-M28L | TYA8030B-L2-M42L | |
|----------------------------------|---|--|---|------------------|---------|
| | TYA4015B-L1-M28R | TYA6020B-L2-M28R | TYA6030B-L2-M28R | TYA8030B-L2-M42R | |
| Mechanical specification | Table size | 40x40mm | 60x60mm | 60x70mm | 80x80mm |
| | Moving stroke | 15mm | 20mm | 30mm | 30mm |
| | thickness | | 30mm | | |
| | Sliding orbit | | Cross roller guide | | |
| | Transmission mode | | Ball screw, lead 1 or 2mm optional | | |
| | Body material and surface | | Aluminium alloy - black anodized | | |
| | Body weight | 0.9kg | 1.2kg | 1.6kg | 2.5kg |
| | accuracy level | | Normal form | | |
| Outgoing direction | | L: left outlet R: right outlet | | | |
| Precision specification | Resolution (pulse) | | 5µm(Full)/2.5µm(Half) | | |
| | Maximum speed | | 10mm/sec(Lead 2 is 20mm/sec) | | |
| | Unidirectional positioning accuracy | | Within 15µm | | |
| | Repeated positioning accuracy | | ±1µm | | |
| | Load (horizontal mounting) | 4Kgf | 5Kgf | 7Kgf | 13Kgf |
| | idle | | 5µm | | |
| | parallelism | | 30µm | | |
| | Straightness of motion | | 3µm | | |
| Parallelism of motion | | 10µm | | | |
| Electric appliance specification | motor | Type/exit axis | Two phase/five phase stepper motor /28/42- Double discharge shaft | | |
| | | Brand model | Shinano/Naruchi/Oriental (Optional) | | |
| | | Step Angle | 1.8° / 0.72° / 0.36° | | |
| | | Rated current | Two-phase: 1.3A/phase; Oriental five phases: 0.75A/phase | | |
| | sensor | Limit sensor | Micro photoelectric sensor OMRON-Sensor | | |
| | | Origin sensor | | | |
| | | Input voltage | DC24V ±10% | | |
| | | Current consumption | Up to 60mA (individual sensor 20mA) | | |
| | | Control output | NPN open collector output DC24V 8mA or less | | |
| | Output control | When detecting (shading) : output transistor OFF(non-conducting) | | | |
| | Grating scale | 12Pin male and female connectors HRS | | | |
| | Extension cable specifications | 2m, 4m, 6m, 8m, 10m (optional) | | | |
| Drive brand | Linson Ether CAT Open loop bus (optional open loop one tow two and closed loop bus) | | | | |

Electric XY shaft

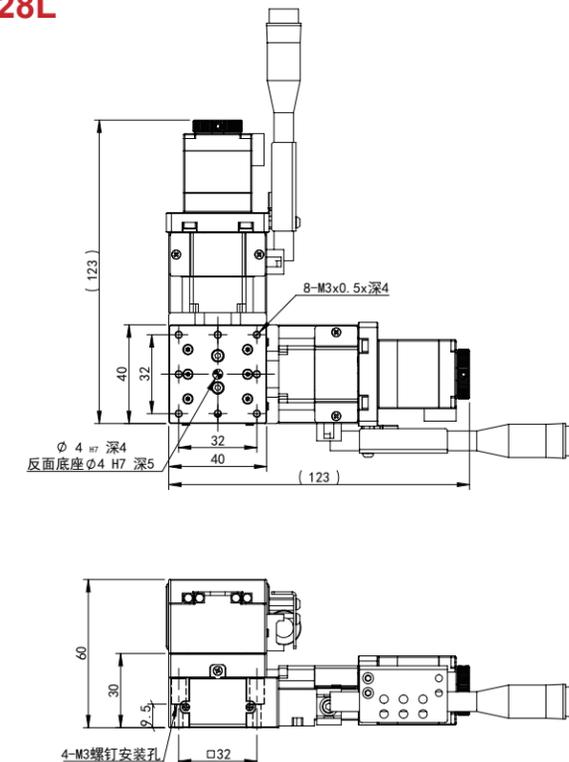
Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

TXA4015B-L1-M28L



Overall dimension

TYA4015B-L1-M28L

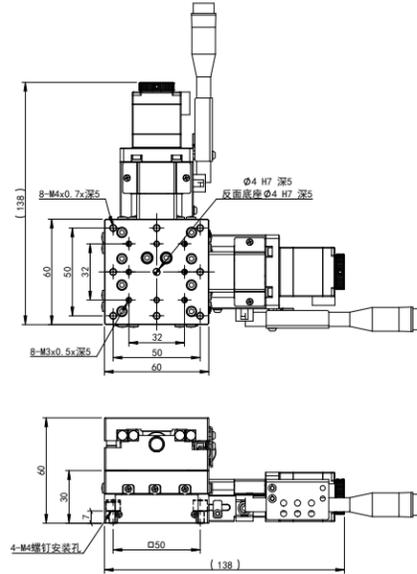


Electric XY shaft

Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

External dimensions

TYA6020B-L2-M28L

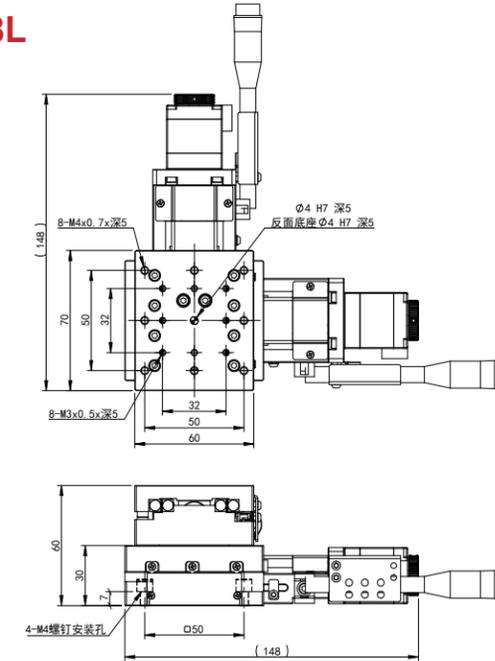


Electric XY shaft

Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

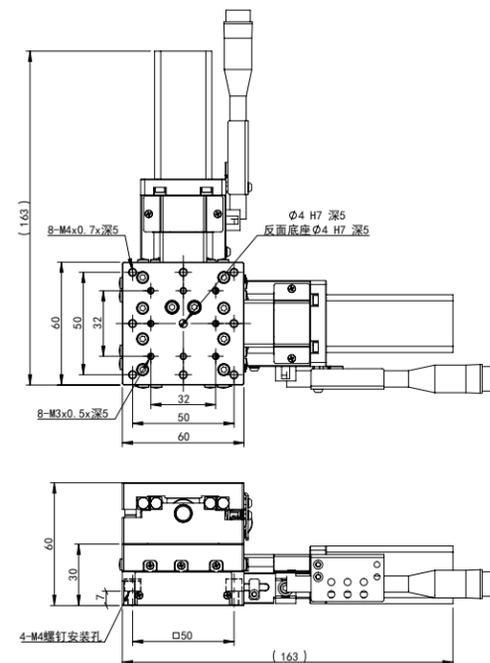
External dimensions

TYA6030B-L2-M28L



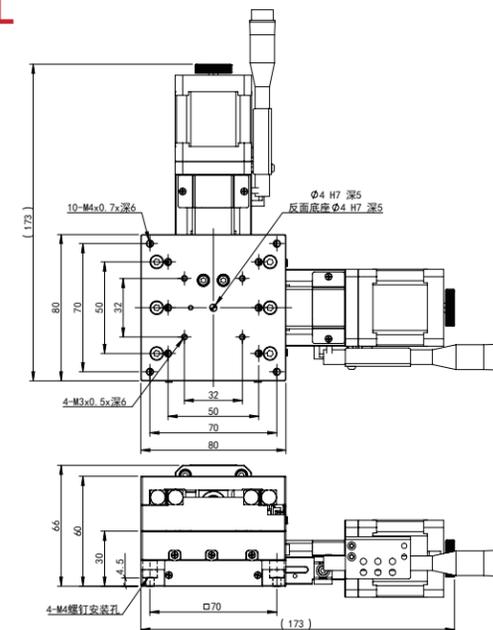
External dimensions

TYA6020B-L2-MC28L



External dimensions

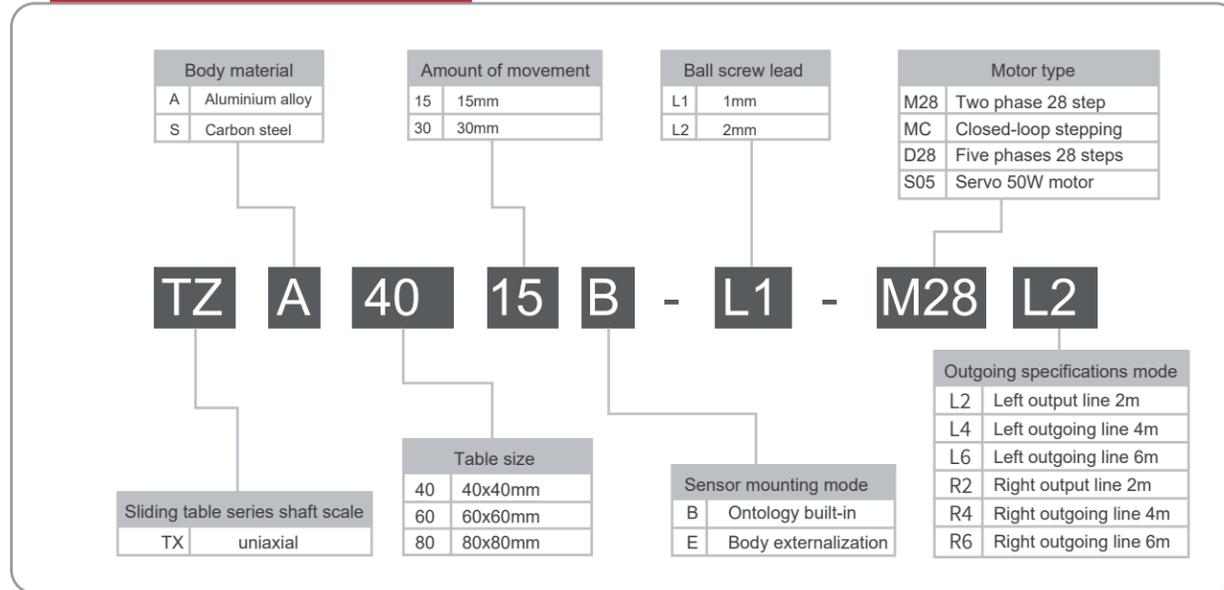
TYA8030B-L2-M42L



Electric Z shaft

Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

Product Model Description

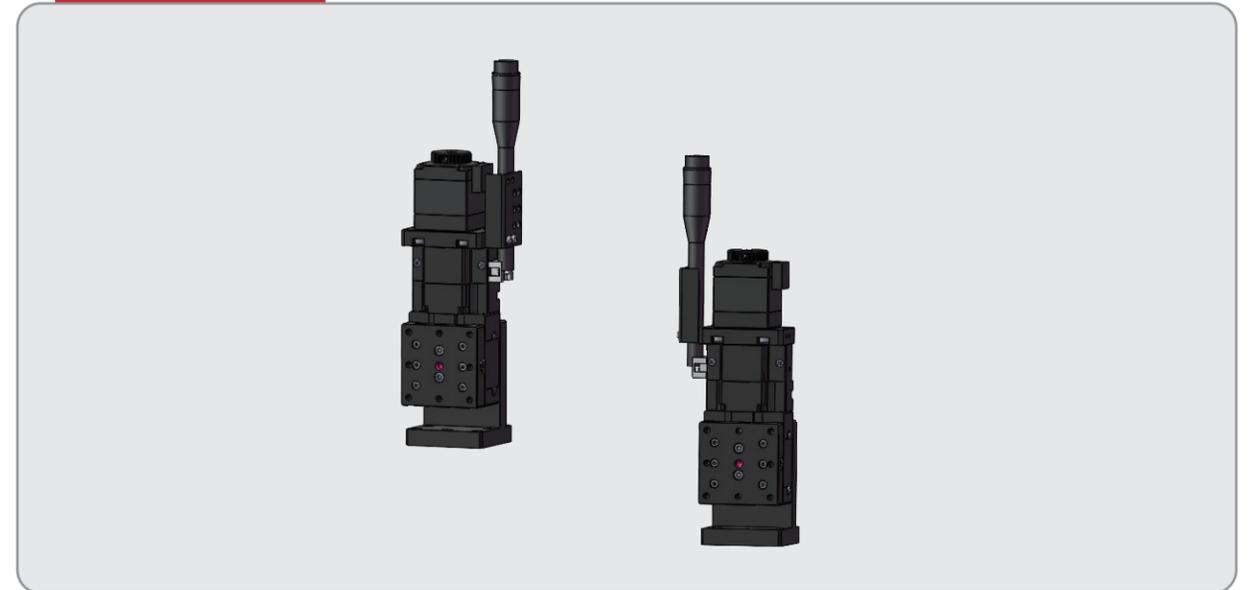


| Model number | TZA4015B-L1-M28L | TZA6020B-L2-M28L | TZA6030B-L2-M28L | TZA8030B-L2-M42L | |
|----------------------------------|--|--|--|------------------|---------|
| | TZA4015B-L1-M28R | TZA6020B-L2-M28R | TZA6030B-L2-M28R | TZA8030B-L2-M42R | |
| Mechanical specification | Table size | 40X40mm | 60X60mm | 60X70mm | 80X80mm |
| | Moving stroke | 15mm | 20mm | 30mm | 30mm |
| | thickness | | 30mm | | |
| | Sliding orbit | | Cross roller guide | | |
| | Transmission mode | | Ball screw, lead 1 or 2mm optional | | |
| | Body material and surface | | Aluminium alloy - black anodized | | |
| | Body weight | 0.55kg | 0.85kg | 1.15kg | 1.6kg |
| | accuracy level | | Standard type | | |
| Outgoing direction | | L: Left outlet R: Right outlet | | | |
| Precision specification | Resolution (pulse) | | 5μm(Full)/2.5μm(Half) | | |
| | Maximum speed | | 10mm/sec(Lead 2 is 20mm/sec) | | |
| | Unidirectional positioning accuracy | | Within 15μm | | |
| | Repeated positioning accuracy | | ±1μm | | |
| | Load (horizontal mounting) | | 3Kgf | | 5Kgf |
| | idle | | 5μm | | |
| | parallelism | | 30μm | | |
| | Straightness of motion | | 3μm | | |
| Parallelism of motion | | 10μm | | | |
| Electric appliance specification | motor | Type/exit axis | Two phase/five phase stepper motor/28/42- dual output shaft | | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | | |
| | | Step Angle | 1.8°/0.72°/0.36° | | |
| | | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 A/phase | | |
| | sensor | Limit sensor | Micro photoelectric sensor OMRON Sensor | | |
| | | Origin sensor | | | |
| | | Input voltage | DC24V ±10% | | |
| | | Current consumption | Below 60mA (individual sensor 20mA) | | |
| | | Control output | NPN open collector output DC24V below 8mA | | |
| | Output control | When detecting (shading): Output transistor OFF (non-conductive) | | | |
| | Grating scale | 12Pin Male Female Connector HRS | | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | |
| Drive brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | | |

Electric Z shaft

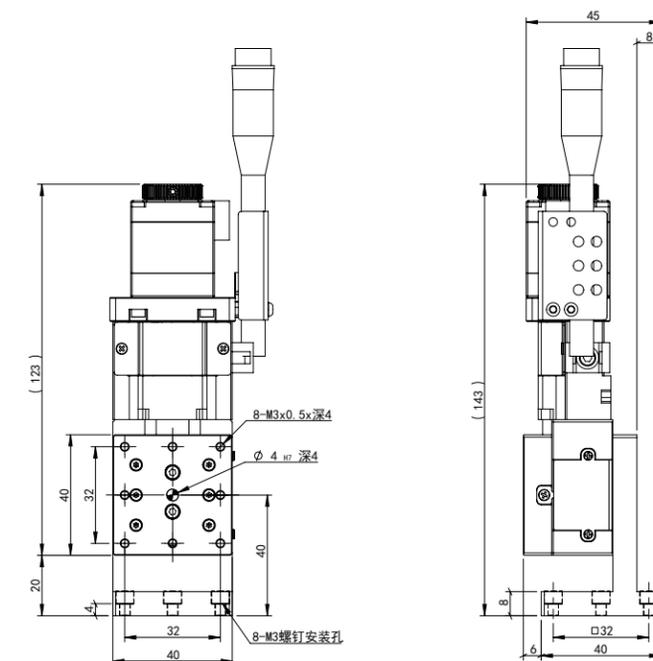
Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

TZA4015B-L1-M28L



External dimensions

TZA4015B-L1-M28L

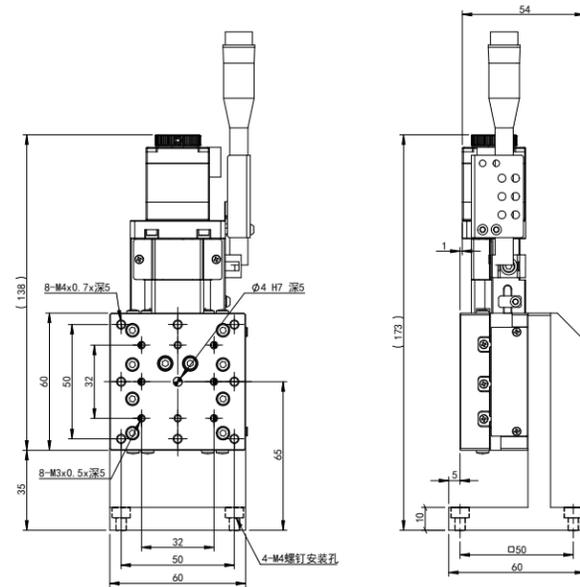


Electric Z shaft

Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

External dimensions

TZA6020B-L2-M28L

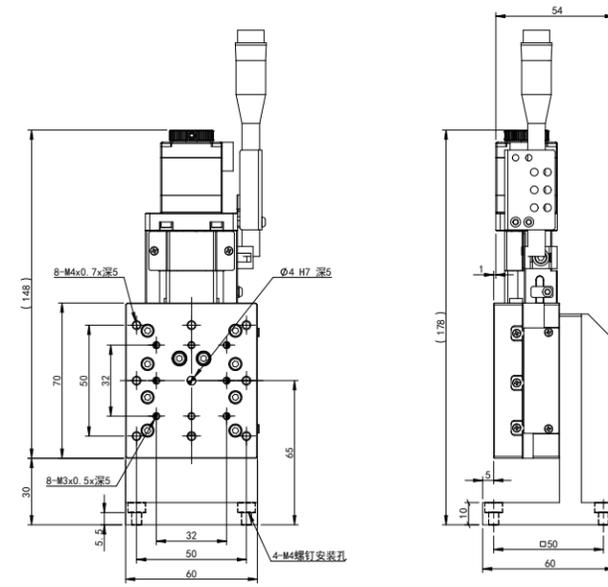


Electric Z shaft

Lightweight and portable built-in sensing • Cross roller sliding type • Standard type

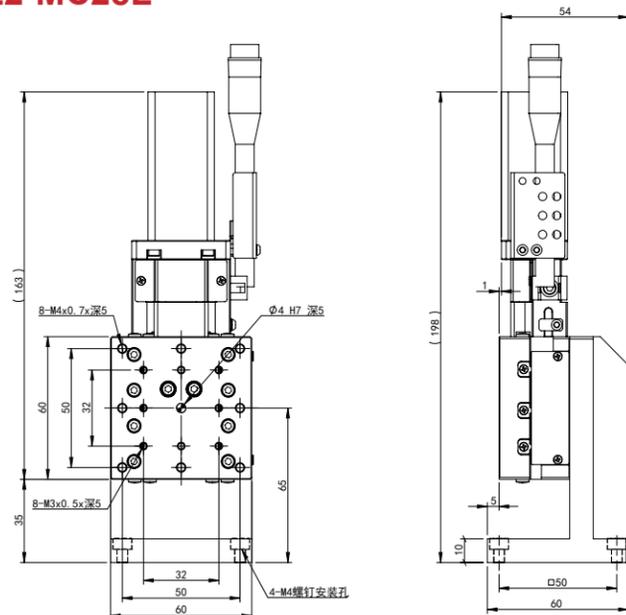
External dimensions

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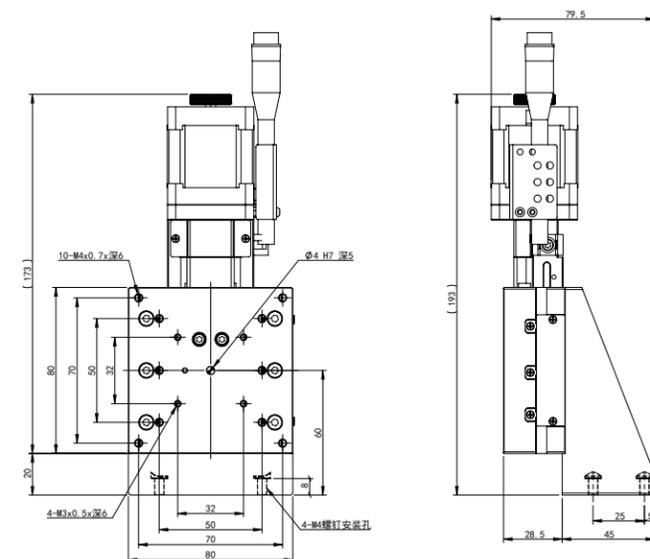
External dimensions

TZA6020B-L2-MC28L



External dimensions

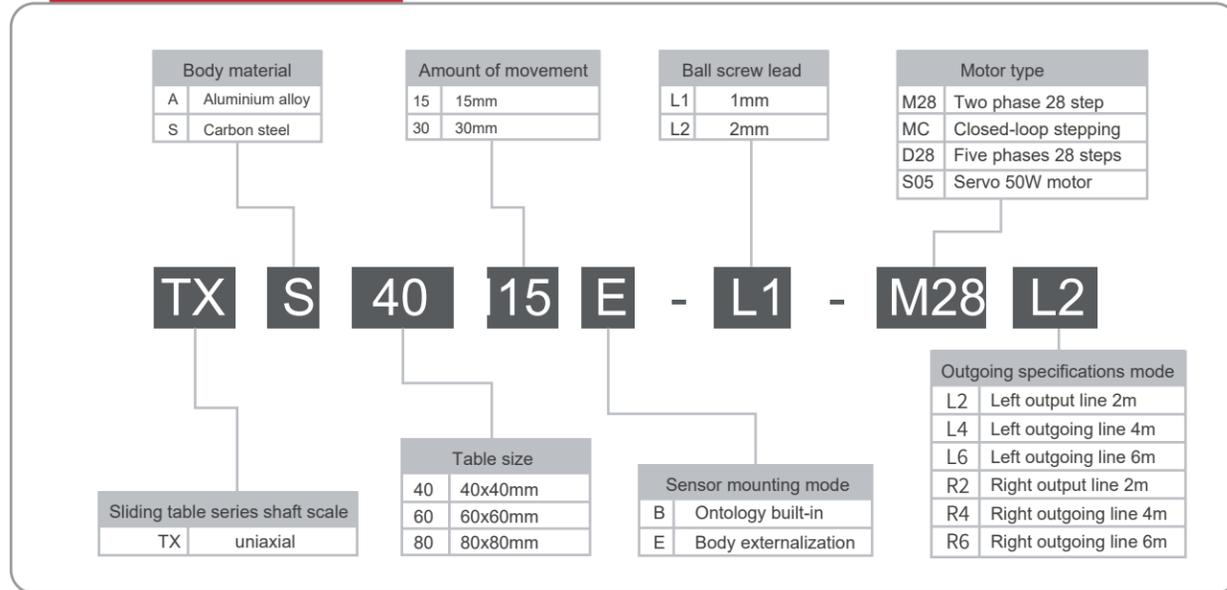
TZA8030B-L2-M42L



Electric X-axis

Micro steel ultra-thin • Rigid ball sliding type • Standard type

Product model description

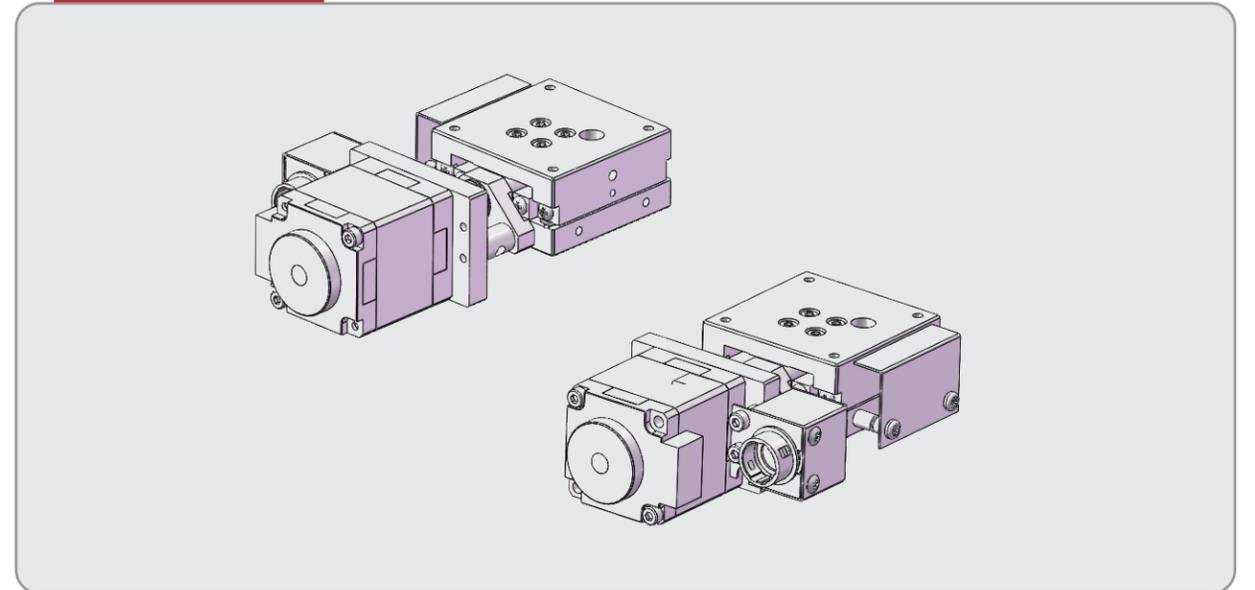


| 型号 | TXS4015E-L1-M28L | TXS6015E-L1-M28L | TXS8015E-L1-M42L | |
|----------------------------------|--|------------------------------------|--|---------|
| | TXS4015E-L1-M28R | TXS6015E-L1-M28R | TXS8015E-L1-M42R | |
| Mechanical specification | Table size | 40x40mm | 60x60mm | 60x70mm |
| | Moving stroke | 15mm | | |
| | thickness | 20mm | 20mm | 25mm |
| | Sliding orbit | Cross roller guide | | |
| | Transmission mode | Ball screw, lead 1 or 2mm optional | | |
| | Body material and surface | Aluminium alloy - black anodized | | |
| | Body weight | 0.4kg | 0.6kg | 10.kg |
| | accuracy level | Standard type | | |
| Outgoing direction | L: left outlet R: right outlet | | | |
| Precision specification | Resolution (pulse) | 5μm(Full)/2.5μm(Half) | | |
| | Maximum speed | 10mm/sec(Lead 2 is 20mm/sec) | | |
| | Unidirectional positioning accuracy | Within 15μm | | |
| | Repeated positioning accuracy | ±1μm | | |
| | Load (horizontal mounting) | 10Kgf | | 13Kgf |
| | idle | 3μm | | |
| | parallelism | 20μm | | |
| | Straightness of motion | 3μm | | |
| Parallelism of motion | 10μm | | | |
| Electric appliance specification | motor | Type/exit axis | Two phase/five phase stepper motor/28/42- dual output shaft | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | |
| | | Step Angle | 1.8°/0.72°/0.36° | |
| | | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 A/phase | |
| | sensor | Limit sensor | Micro photoelectric sensors: two | |
| | | Origin sensor | Micro photoelectric sensor: one | |
| | | Input voltage | DC24V ±10% | |
| | | Current consumption | Below 60mA (individual sensor 20mA) | |
| | | Control output | NPN open collector output DC24V below 8mA | |
| | | Output control | When detecting (shading): Output transistor OFF (non-conductive) | |
| | Grating scale | 12Pin Male Female Connector HRS | | |
| Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | |
| Drive brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |

Electric X-axis

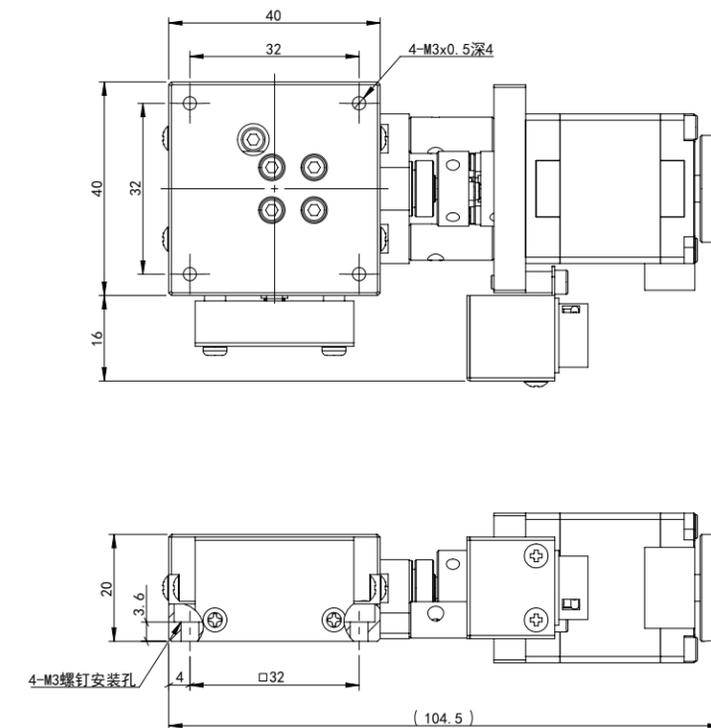
Micro steel ultra-thin • Rigid ball sliding type • Standard type

TXA4015B-L1-M28L



Overall dimension

TXS4015E-L1-M28L

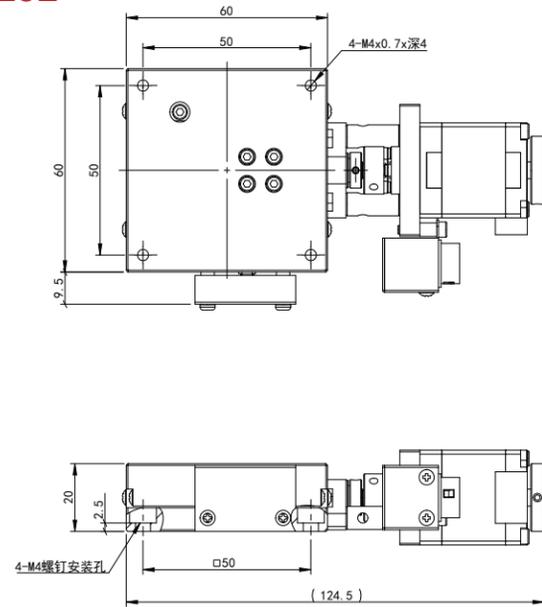


Electric X-axis

Micro steel ultra-thin • Rigid ball sliding type • Standard type

External dimensions

TXS6015E-L1-M28L

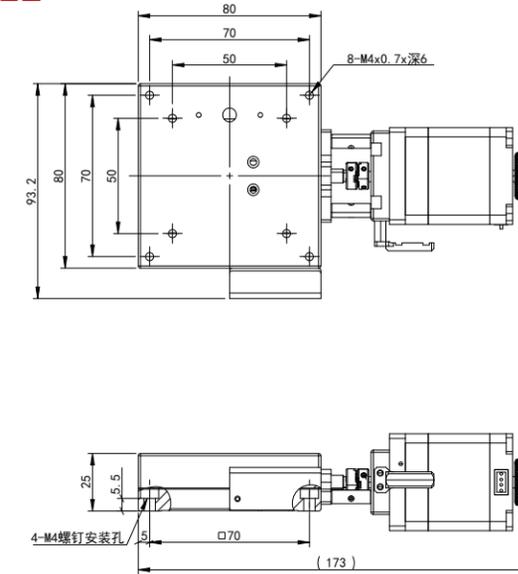


Electric X-axis

Micro steel ultra-thin • Rigid ball sliding type • Standard type

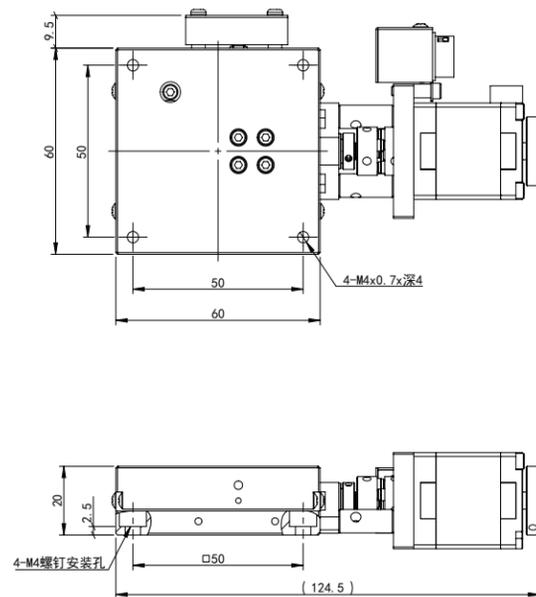
External dimensions

TXS8015E-L1-M42L



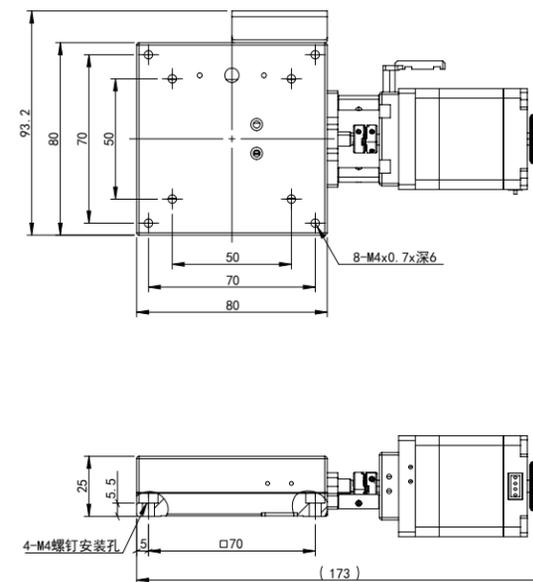
External dimensions

TXS6015E-L1-M28R



External dimensions

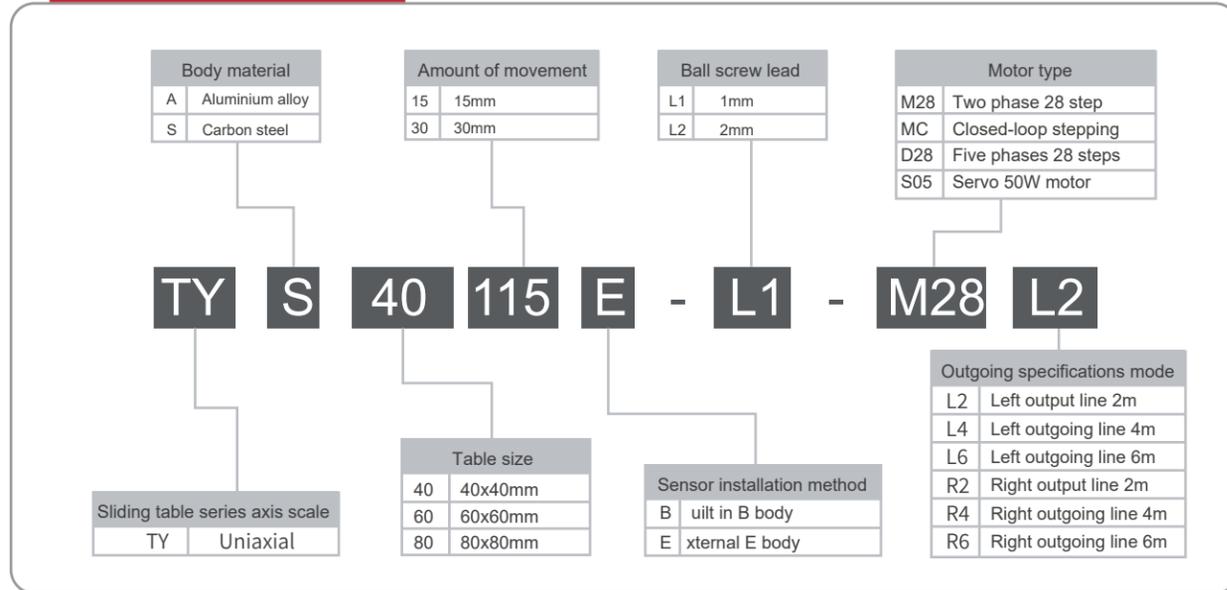
TXS8015E-L1-M42R



Electric XY-axis

Micro steel ultra-thin • Steel ball sliding type • Standard type

Product model description

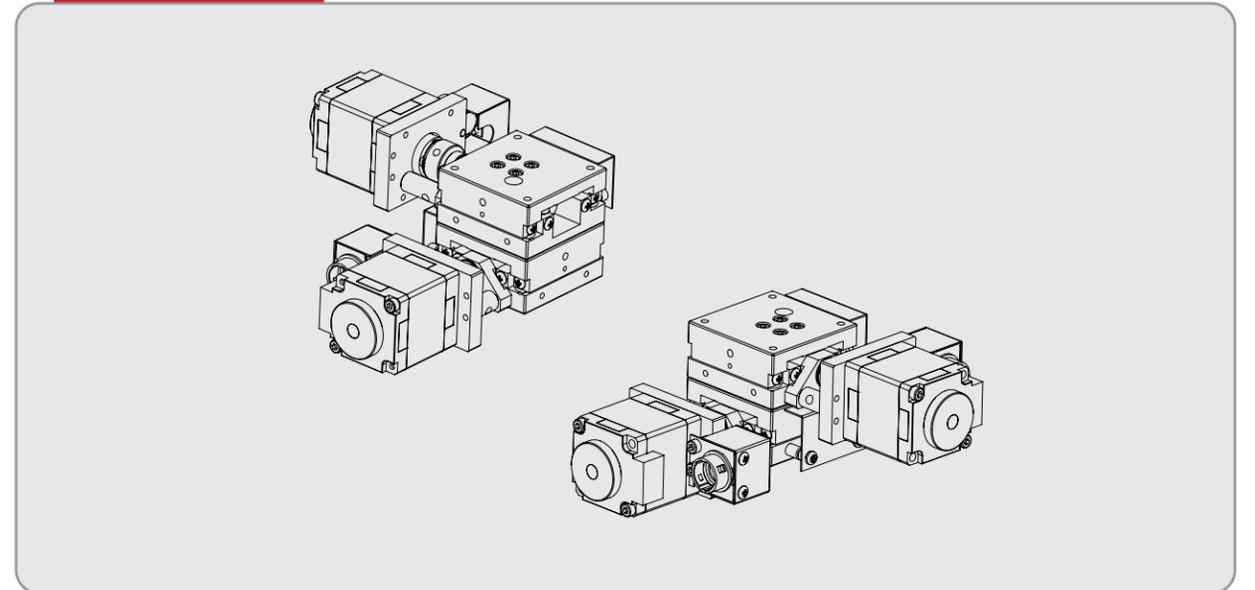


| Model | TYS4015E-L1-M28L | TYS6015E-L1-M28L | TYS8015E-L1-M42L | |
|----------------------------------|--|--|--|---------|
| | TYS4015E-L1-M28R | TYS6015E-L1-M28R | TYS8015E-L1-M42R | |
| Machinery specifications | table size | 40x40mm | 60x60mm | 60x70mm |
| | shift motion | | 15mm | |
| | thickness | 40mm | 40mm | 50mm |
| | sliding rail | | Steel linear ball guide rail | |
| | Transmission mode | | Ball screw, lead 1mm | |
| | Body material and surface area | | Steel - Non electrolytic chemical nickel | |
| | Body weight | 0.8kg | 1.2kg | 2.0kg |
| | accuracy class | Standard type | | |
| Outgoing direction | L: Left outlet R: Right outlet | | | |
| Precision specification | Resolution (pulse) | 5µm(Full)/2.5µm(Half) | | |
| | maximum speed | 10mm/sec | | |
| | Unidirectional positioning accuracy | Within 15µm | | |
| | repeatability | ±1µm | | |
| | Load (horizontal installation) | 9Kgf | | 12Kgf |
| | idling | 3µm | | |
| | parallelism | 20µm | | |
| | Motion straightness | 3µm | | |
| Motion parallelism | 10µm | | | |
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | |
| | | step angle | 1.8°/0.72°/0.36° | |
| | | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 A/phase | |
| | Sensor | Limit sensor | Micro photoelectric sensors: two | |
| | | Origin sensor | Micro photoelectric sensor: one | |
| | | INPUT VOLTAGE | DC24V ±10% | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | |
| | | control output | NPN open collector output DC24V below 8mA | |
| | output control | When detecting (shading): Output transistor OFF (non-conductive) | | |
| | Connector specifications | 12Pin Male Female Connector HRS | | |
| Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |

Electric XY-axis

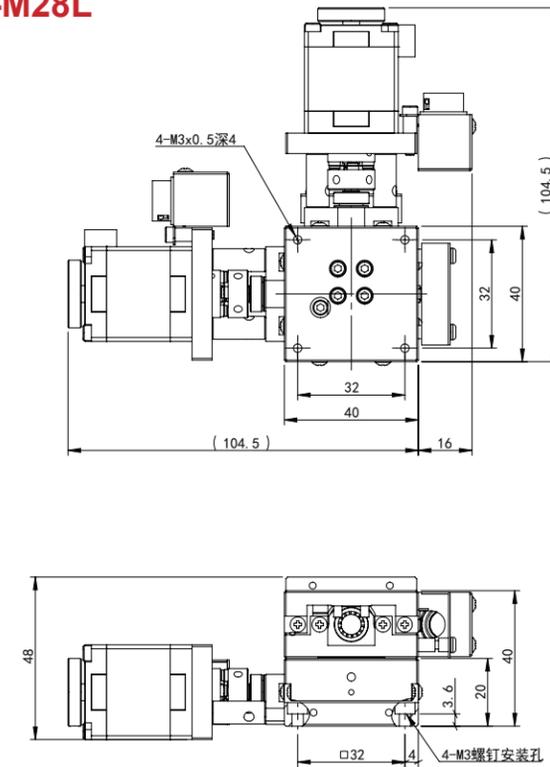
Micro steel ultra-thin • Steel ball sliding type • Standard type

TYS4015E-L1-M28L



External dimensions

TYS4015E-L1-M28L

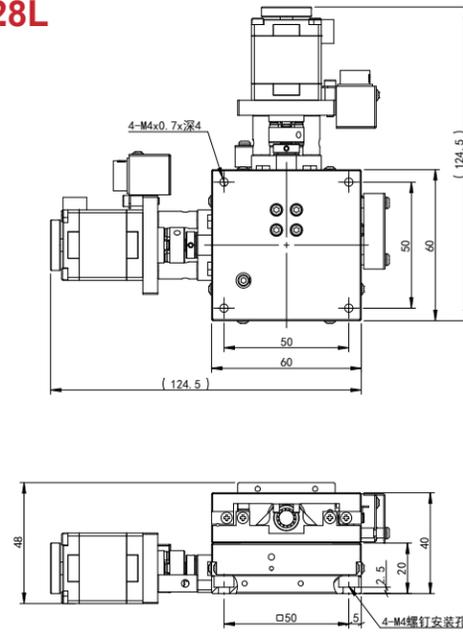


Electric XY-axis

Micro steel ultra-thin • Steel ball sliding type • Standard type

External dimensions

TYS6015E-L1-M28L

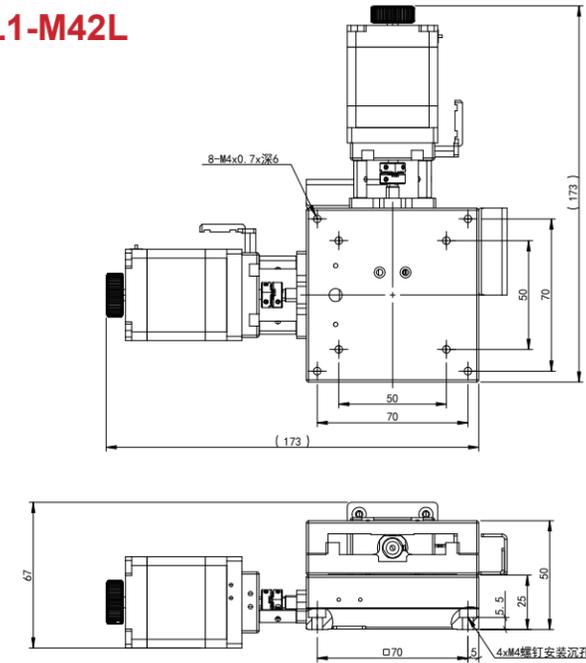


Electric XY-axis

Micro steel ultra-thin • Steel ball sliding type • Standard type

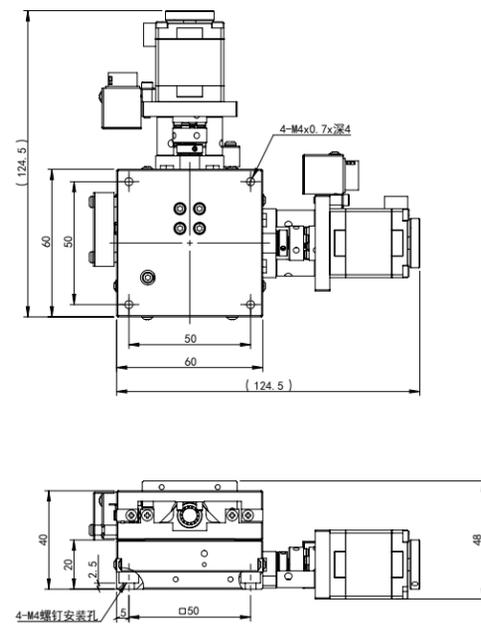
External dimensions

TYS8015E-L1-M42L



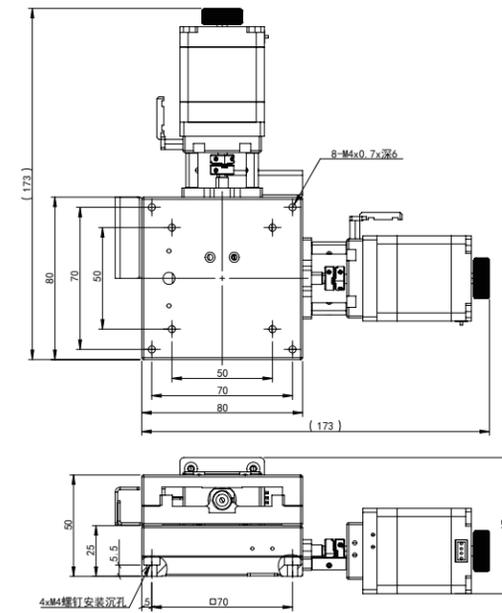
External dimensions

TYS6015E-L1-M28R



External dimensions

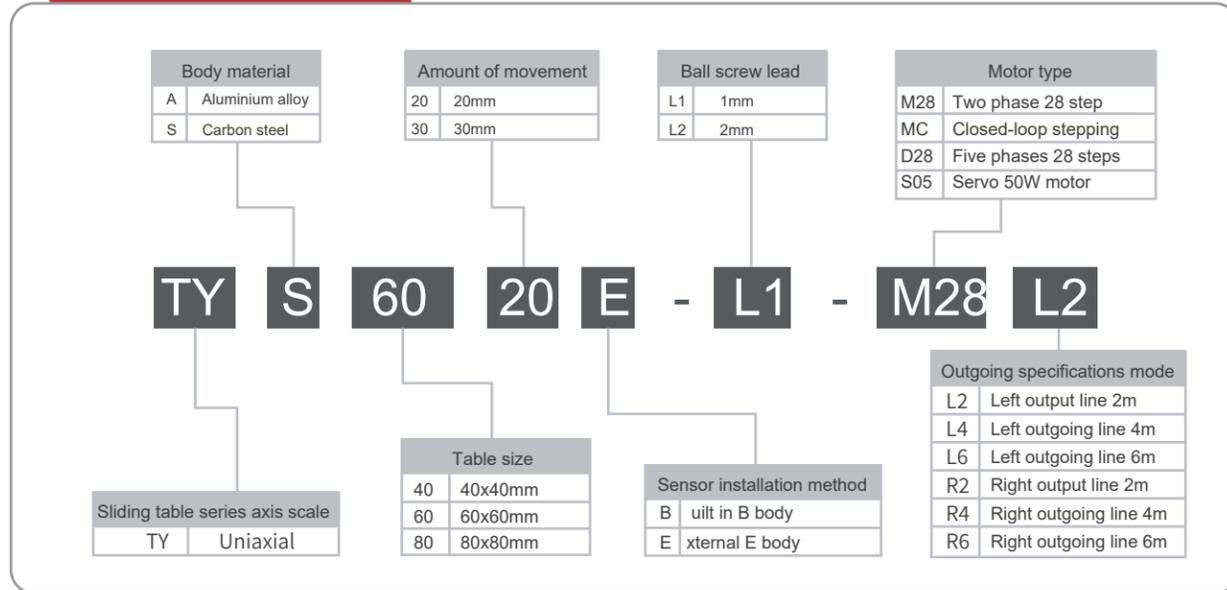
TYS8015E-L1-M42R



Electric X-axis

Steel built-in sensor • Steel ball sliding type • Standard type

Product model description

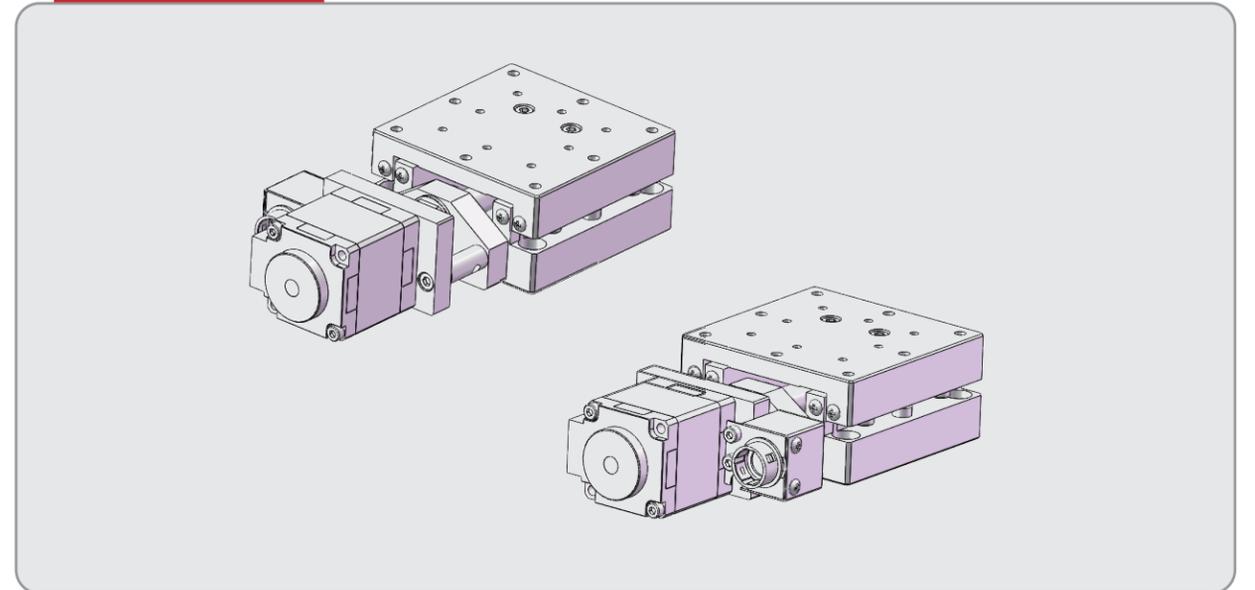


| Model | TXS6020B-L1-M28L | TXS6030B-L1-M28L | TXS6050B-L1-M28L | TXS8020B-L1-M42L | |
|----------------------------------|--|--|--|------------------|---------|
| | TXS6020B-L1-M28R | TXS6030B-L1-M28R | TXS6050B-L1-M28R | TXS8020B-L1-M42R | |
| Machinery specifications | table size | 60X60mm | 60X60mm | 60X80mm | 80X80mm |
| | shift motion | 20mm | 30mm | 50mm | 20mm |
| | thickness | | 30mm | | |
| | sliding rail | | Steel linear ball guide rail | | |
| | Transmission mode | | Ball screw, lead 1mm | | |
| | Body material and surface area | | Steel - Non electrolytic chemical nickel | | |
| | Body weight | 0.75kg | 0.85kg | 1.15kg | 1.2kg |
| | accuracy class | | Standard type | | |
| Outgoing direction | | L: Left outlet R: Right outlet | | | |
| Precision specification | Resolution (pulse) | | 5µm(Full)/2.5µm(Half) | | |
| | maximum speed | | 10mm/sec(Lead 2 is 20mm/sec) | | |
| | Unidirectional positioning accuracy | | Within 15µm | | |
| | repeatability | | ±1µm | | |
| | Load (horizontal installation) | | 10Kgf | | 13Kgf |
| | idling | | 3µm | | |
| | parallelism | | 20µm | | |
| | Motion straightness | | 3µm | | |
| Motion parallelism | | 10µm | | | |
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft | | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | | |
| | | step angle | 1.8°/0.72°/0.36° | | |
| | | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 A/phase | | |
| | Sensor | Limit sensor | Micro photoelectric sensors: two | | |
| | | Origin sensor | Micro photoelectric sensor: one | | |
| | | INPUT VOLTAGE | DC24V ±10% | | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | | |
| | | control output | NPN open collector output DC24V below 8mA | | |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) | | |
| | Connector specifications | 12Pin Male Female Connector HRS | | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | | |

Electric X-axis

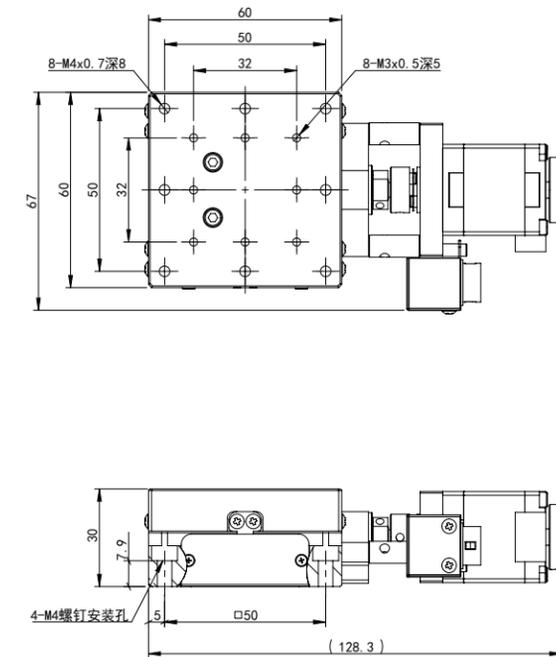
Steel built-in sensor • Steel ball sliding type • Standard type

TXS6020B-L1-M28L



External dimensions

TXS6020B-L1-M28L

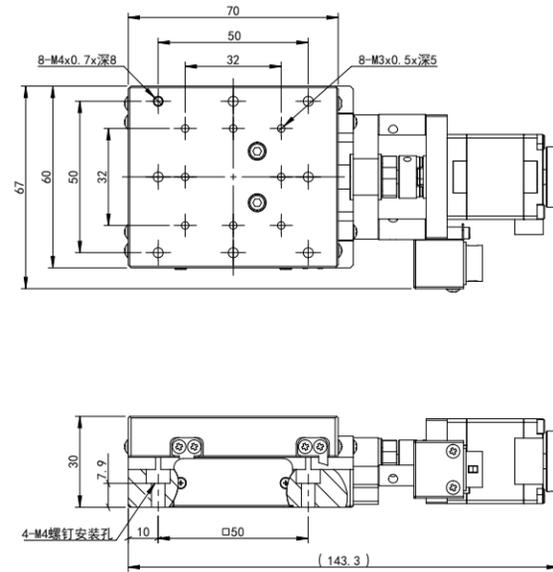


Electric X-axis

Steel built-in sensor • Steel ball sliding type • Standard type

External dimensions

TXS6030B-L1-M28L

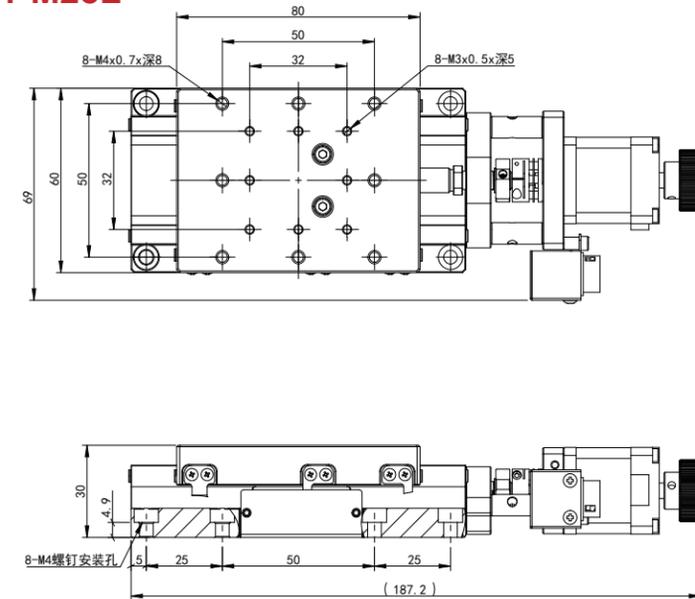


Electric X-axis

Steel built-in sensor • Steel ball sliding type • Standard type

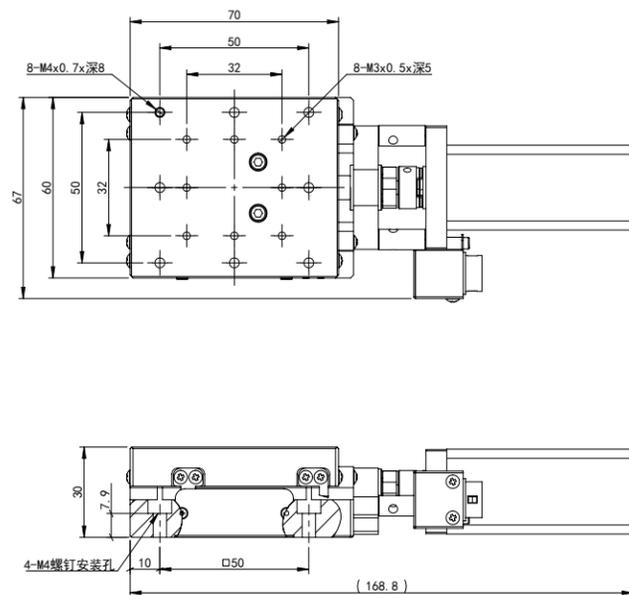
External dimensions

TXS6050B-L1-M28L



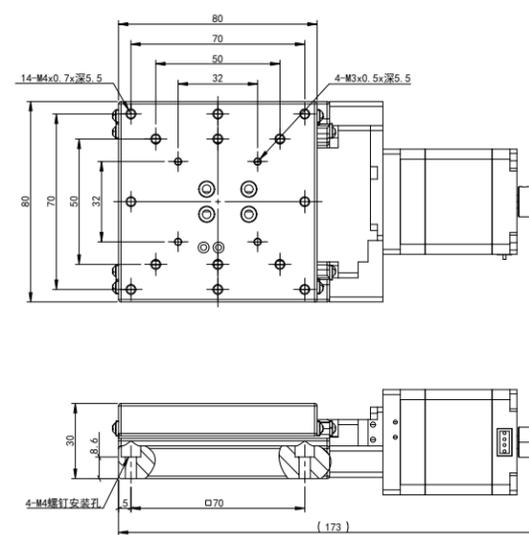
External dimensions

TXS6030B-L1-MC28L



External dimensions

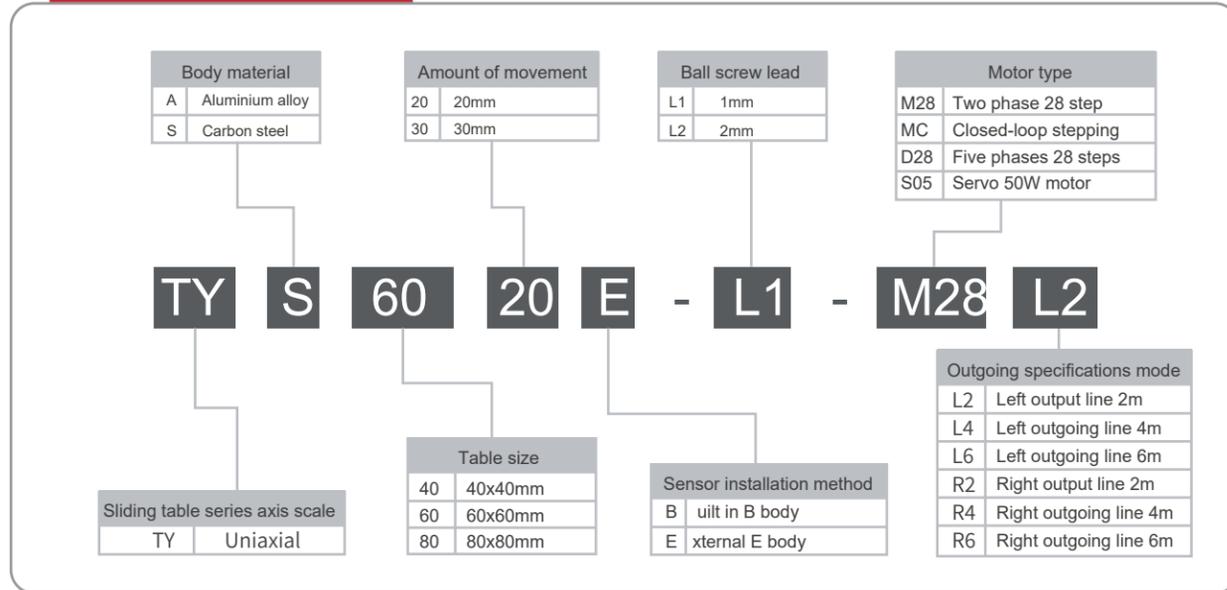
TXS8020B-L1-M28L



Electric XY-axis

Steel built-in sensor • Steel ball sliding type • Standard type

Product model description

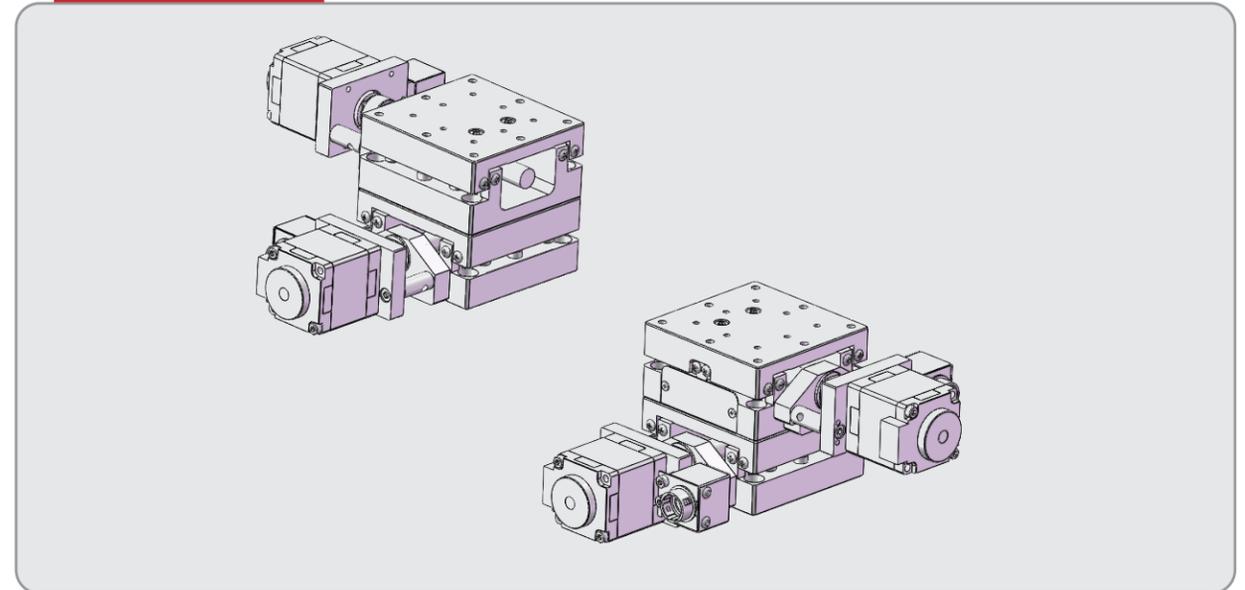


| Model | TYS6020B-L1-M28L | TYS6030B-L1-M28L | TYS6050B-L1-M28L | TYS8020B-L1-M42L | |
|----------------------------------|--|--|--|------------------|---------|
| | TYS6020B-L1-M28R | TYS6030B-L1-M28R | TYS6050B-L1-M28R | TYS8020B-L1-M42R | |
| Machinery specifications | table size | 60X60mm | 60X60mm | 60X80mm | 80X80mm |
| | shift motion | 20mm | 30mm | 50mm | 20mm |
| | thickness | | 30mm | | |
| | sliding rail | | Steel linear ball guide rail | | |
| | Transmission mode | | Ball screw, lead 1mm | | |
| | Body material and surface area | | Steel - Non electrolytic chemical nickel | | |
| | Body weight | 0.75kg | 0.85kg | 1.15kg | 1.2kg |
| | accuracy class | | Standard type | | |
| Outgoing direction | | L: Left outlet R: Right outlet | | | |
| Precision specification | Resolution (pulse) | | 5μm(Full)/2.5μm(Half) | | |
| | maximum speed | | 10mm/sec(Lead 2 is 20mm/sec) | | |
| | Unidirectional positioning accuracy | | Within 15μm | | |
| | repeatability | | ±1μm | | |
| | Load (horizontal installation) | | 9Kgf | | 12Kgf |
| | idling | | 3μm | | |
| | parallelism | | 20μm | | |
| | Motion straightness | | 3μm | | |
| Motion parallelism | | 10μm | | | |
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft | | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | | |
| | | step angle | 1.8°/0.72°/0.36° | | |
| | | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 A/phase | | |
| | Sensor | Limit sensor | Micro photoelectric sensors: two | | |
| | | Origin sensor | Micro photoelectric sensor: one | | |
| | | INPUT VOLTAGE | DC24V ±10% | | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | | |
| | | control output | NPN open collector output DC24V below 8mA | | |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) | | |
| | Connector specifications | 12Pin Male Female Connector HRS | | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | | |

Electric XY-axis

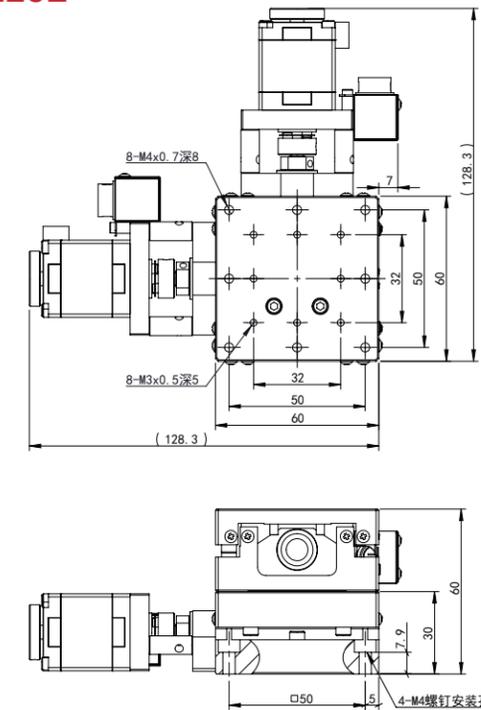
Steel built-in sensor • Steel ball sliding type • Standard type

TYS6020B-L1-M28L



Overall dimension

TYS6020B-L1-M28L

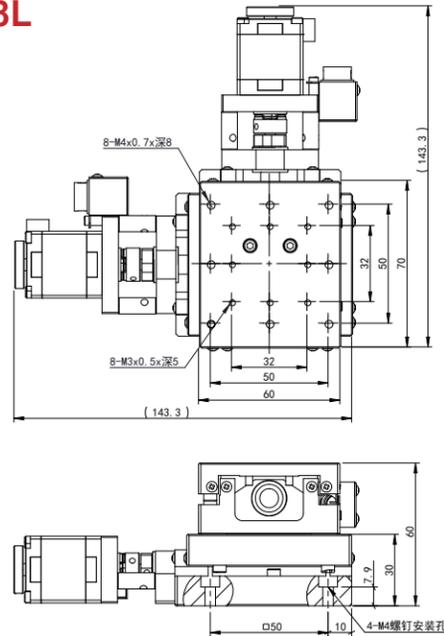


Electric XY-axis

Steel built-in sensor • Steel ball sliding type • Standard type

External dimensions

TYS6030B-L1-M28L

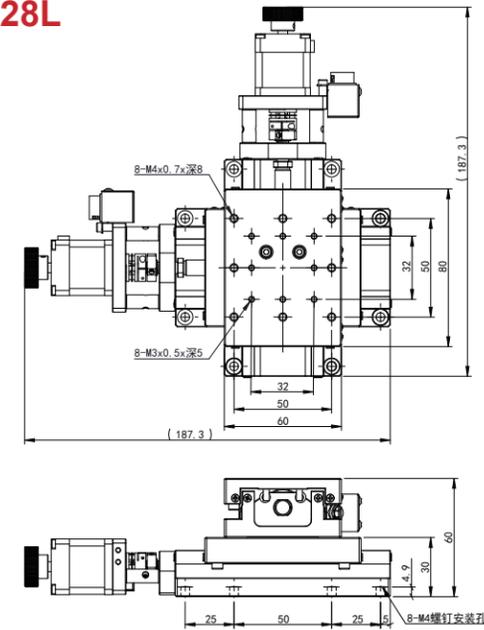


Electric XY-axis

Steel built-in sensor • Steel ball sliding type • Standard type

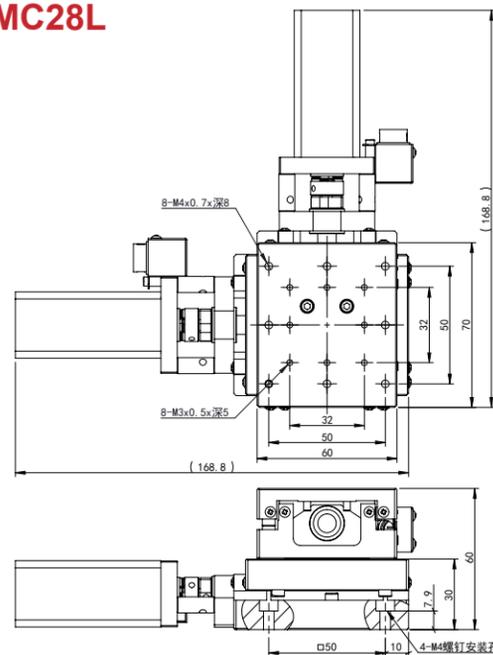
External dimensions

TYS6050B-L1-M28L



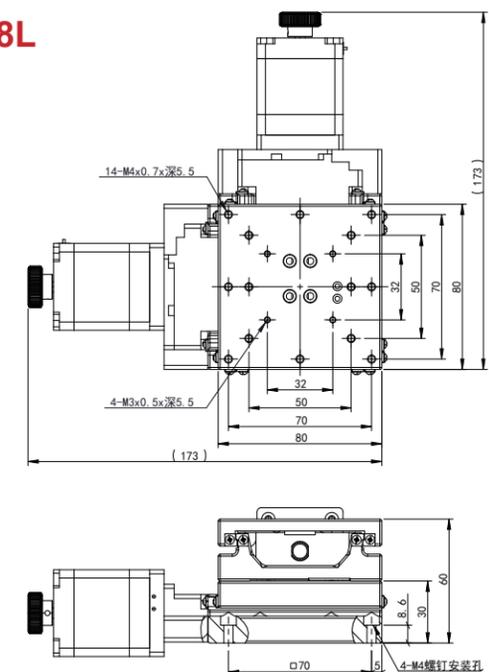
External dimensions

TYS6030B-L1-MC28L



External dimensions

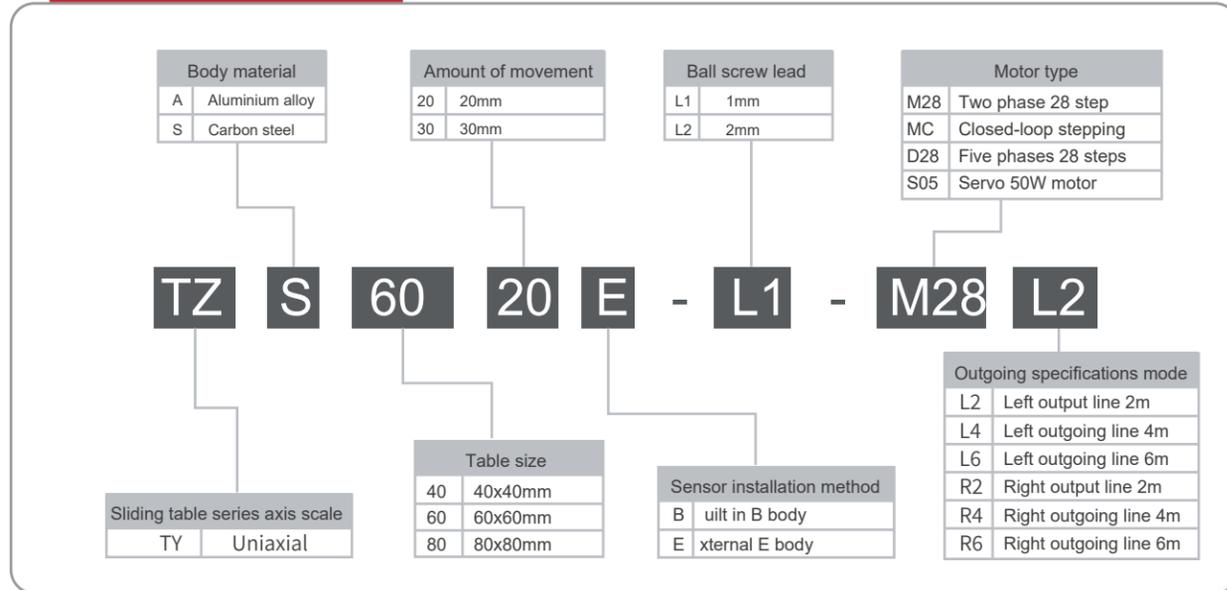
TYS8020B-L1-M28L



Electric Z-axis

Steel built-in sensor • Steel ball sliding type • Standard type

Product model description

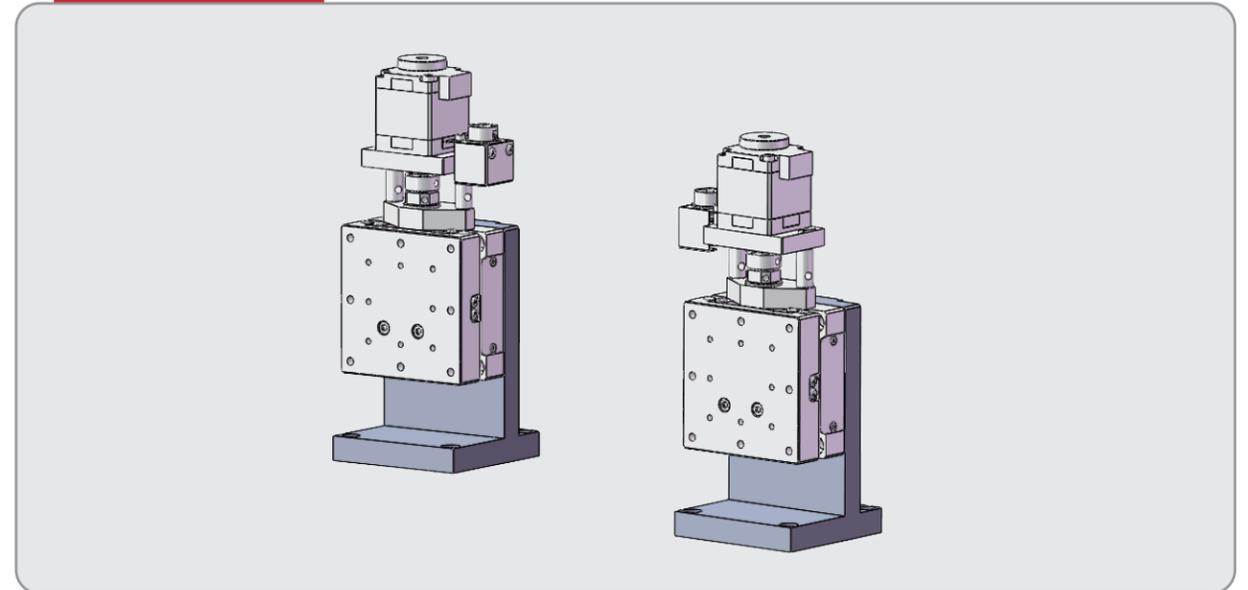


| Model | TZS6020B-L1-M28L | TZS6030B-L1-M28L | TZS6050B-L1-M28L | TZS8020B-L1-M42L | |
|----------------------------------|--|--|--|------------------|---------|
| | TZS6020B-L1-M28R | TZS6030B-L1-M28R | TZS6050B-L1-M28R | TZS8020B-L1-M42R | |
| Machinery specifications | table size | 60X60mm | 60X60mm | 60X80mm | 80X80mm |
| | shift motion | 20mm | 30mm | 50mm | 20mm |
| | thickness | | 30mm | | |
| | sliding rail | | Steel linear ball guide rail | | |
| | Transmission mode | | Ball screw, lead 1mm | | |
| | Body material and surface area | | Steel - Non electrolytic chemical nickel | | |
| | Body weight | 0.75kg | 0.85kg | 1.15kg | 1.2kg |
| | accuracy class | | Standard type | | |
| Outgoing direction | | L: Left outlet R: Right outlet | | | |
| Precision specification | Resolution (pulse) | | 5µm(Full)/2.5µm(Half) | | |
| | maximum speed | | 10mm/sec(Lead 2 is 20mm/sec) | | |
| | Unidirectional positioning accuracy | | Within 15µm | | |
| | repeatability | | ±1µm | | |
| | Load (horizontal installation) | | 5Kgf | | 6Kgf |
| | idling | | 3µm | | |
| | parallelism | | 20µm | | |
| | Motion straightness | | 3µm | | |
| Motion parallelism | | 10µm | | | |
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft | | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | | |
| | | step angle | 1.8°/0.72°/0.36° | | |
| | | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 A/phase | | |
| | Sensor | Limit sensor | Micro photoelectric sensors: two | | |
| | | Origin sensor | Micro photoelectric sensor: one | | |
| | | INPUT VOLTAGE | DC24V ±10% | | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | | |
| | | control output | NPN open collector output DC24V below 8mA | | |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) | | |
| | Connector specifications | 12Pin Male Female Connector HRS | | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | | |

Electric Z-axis

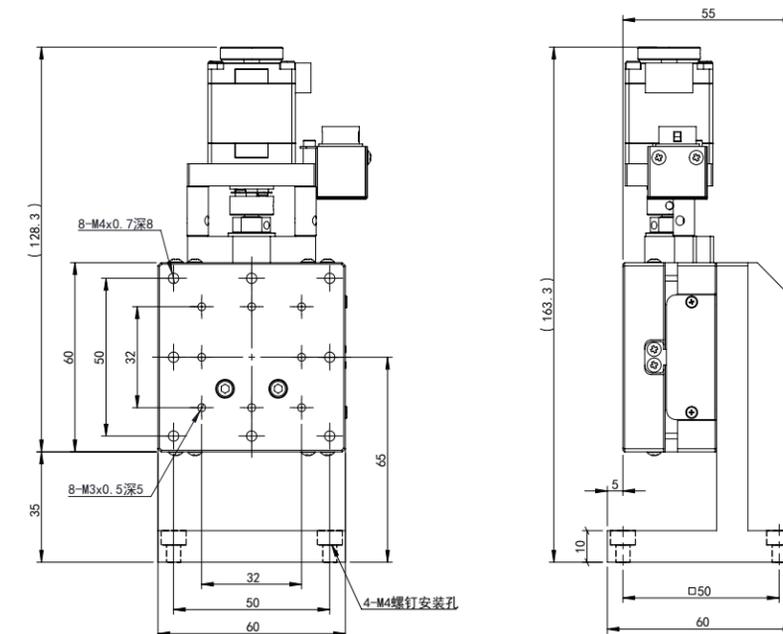
Steel built-in sensor • Steel ball sliding type • Standard type

TZS6020B-L1-M28L



External dimensions

TZS6020B-L1-M28L

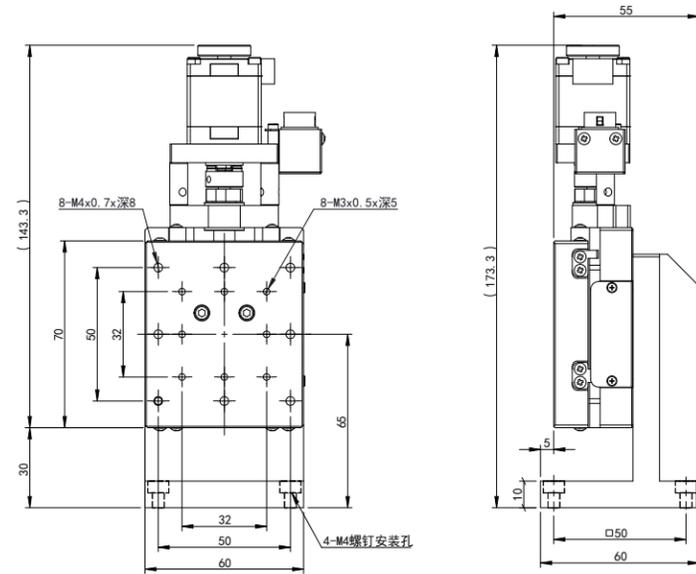


Electric Z-axis

Steel built-in sensor • Steel ball sliding type • Standard type

External dimensions

TZS6030B-L1-M28L

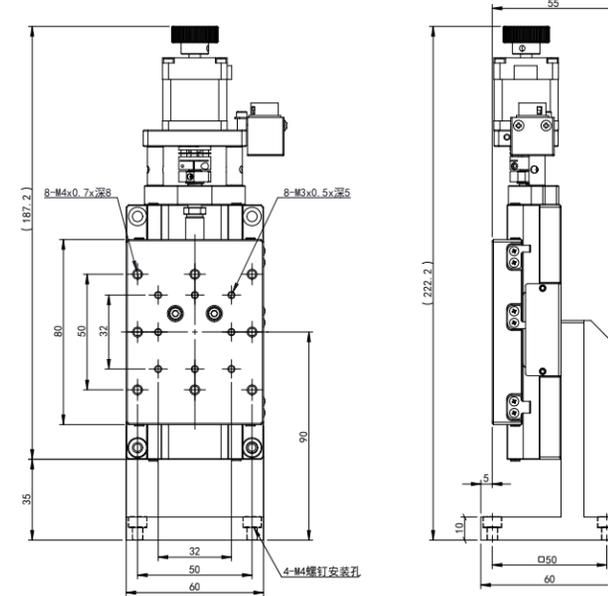


Electric Z-axis

Steel built-in sensor • Steel ball sliding type • Standard type

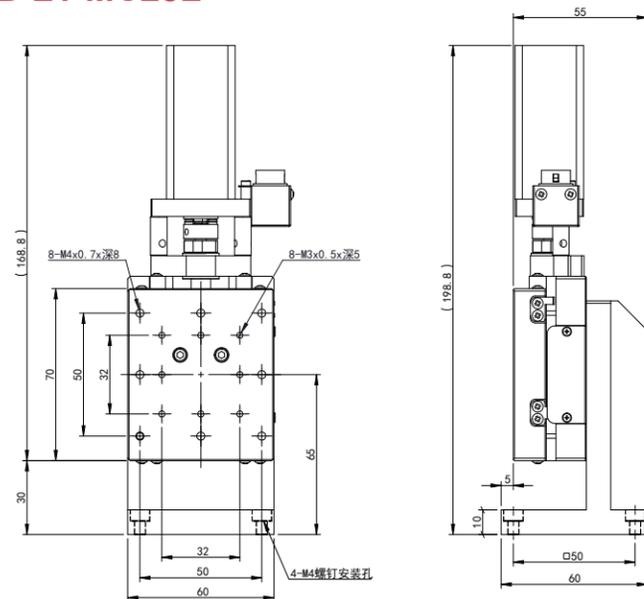
External dimensions

TZS6050B-L1-M28L



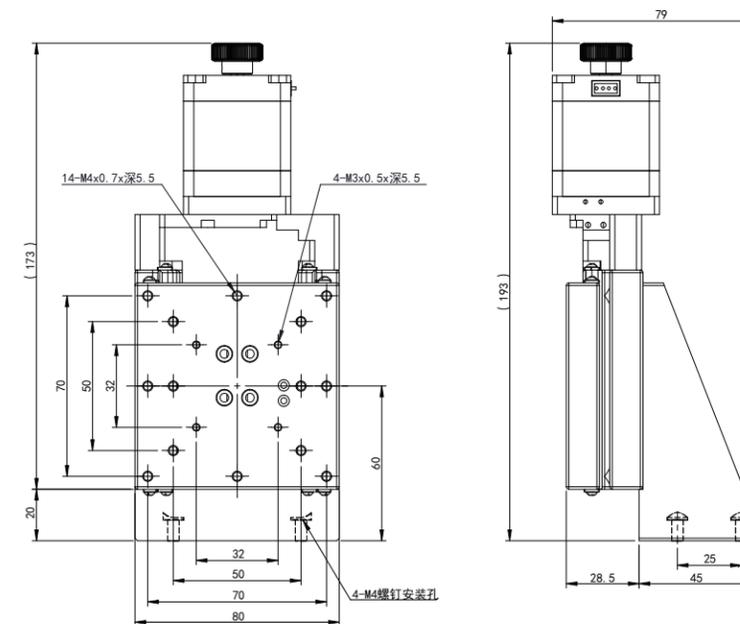
External dimensions

TZS6030B-L1-MC28L



External dimensions

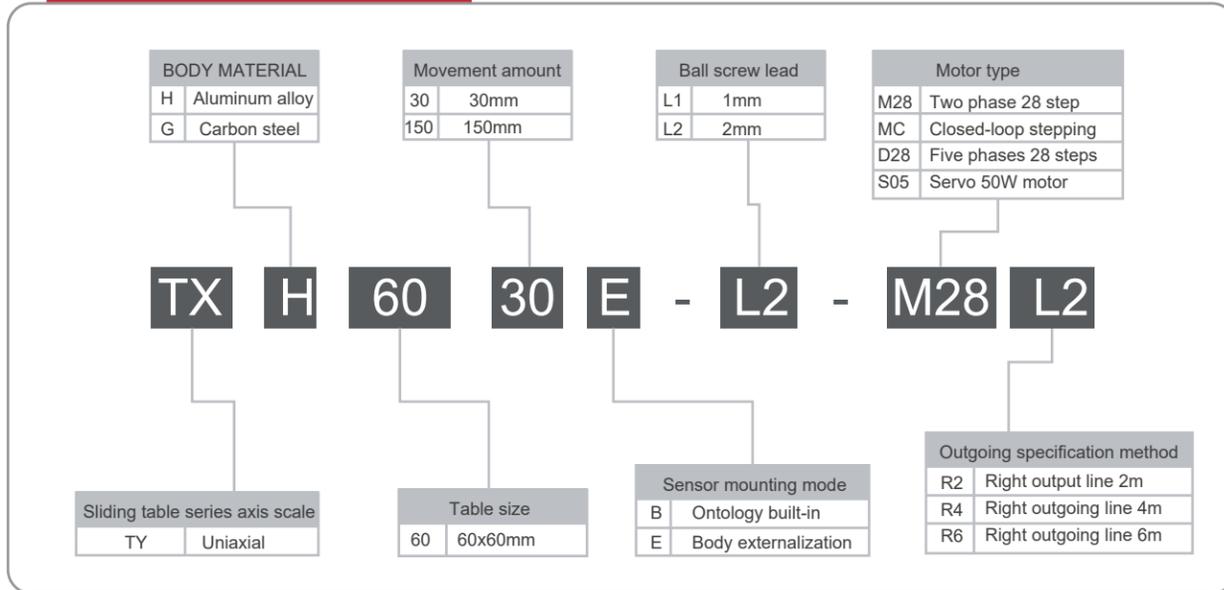
TZS8020B-L1-M28L



Electric X-axis

Aluminum alloy high rigidity built-in • Internal circulation ball sliding type • Standard type

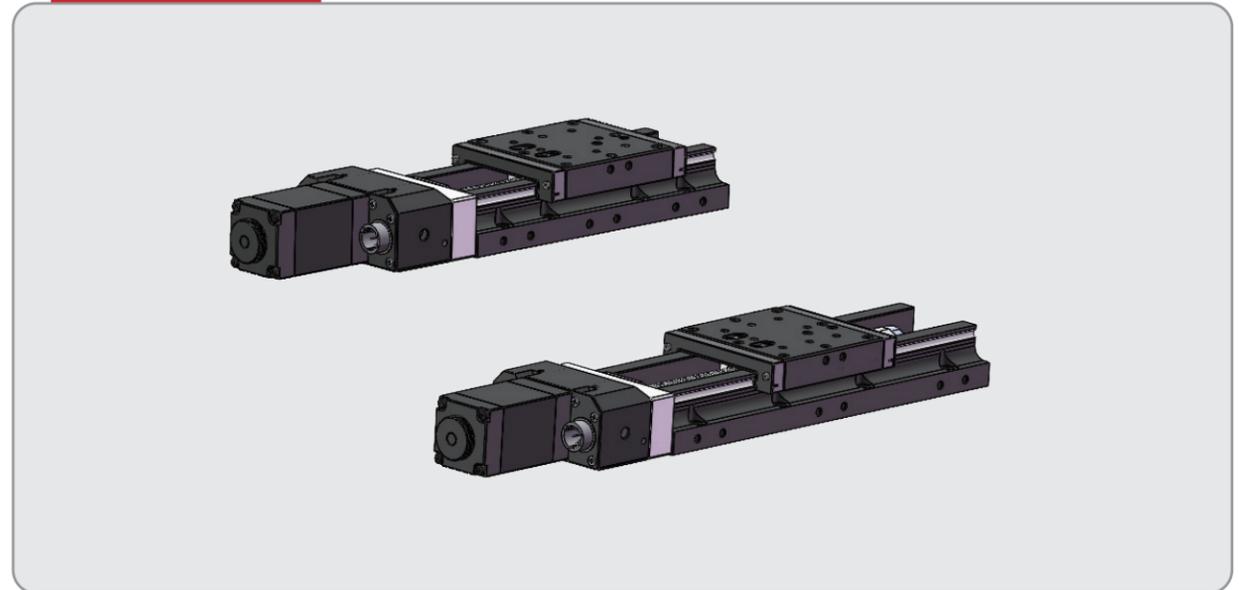
Product Model Description



Electric X-axis

Aluminum alloy high rigidity built-in • Internal circulation ball sliding type • Standard type

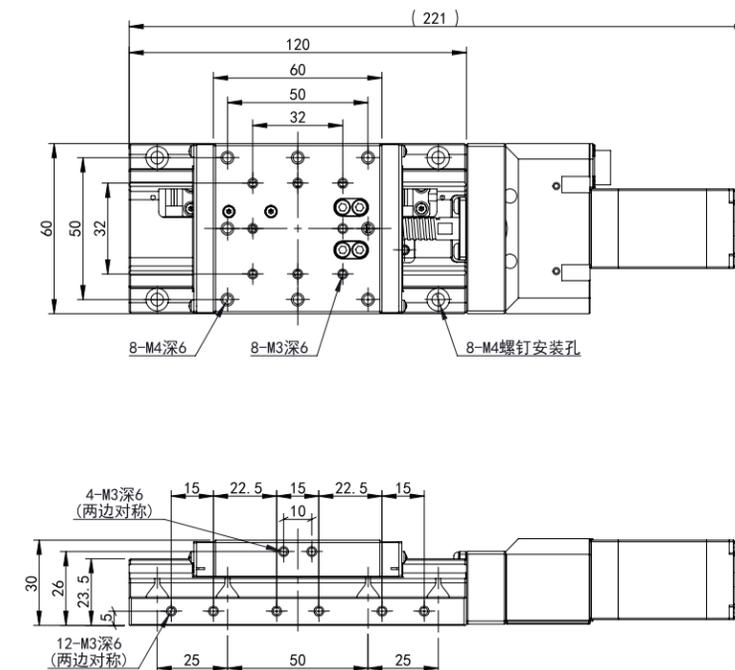
TXH6050B-L2-M28



| Model number | TXH6030B-L2-M28 | TXH6050B-L2-M28 | TXH6075B-L2-M28 | TXH60100B-L2-M28 | TXH60150B-L2-M28 | |
|----------------------------------|---|--|--|------------------|------------------|-------|
| Mechanical specification | Table size | 60x60mm | | | | |
| | Moving stroke | 30mm | 50mm | 75mm | 100mm | 150mm |
| | thickness | 30mm | | | | |
| | Sliding orbit | Internal circulation linear ball guide | | | | |
| | Transmission mode | Grinding ball screw, lead 2mm | | | | |
| | Body material and surface | Aluminum alloy - black anodized | | | | |
| | Body weight | 0.75kg | 0.8kg | 0.85kg | 1.0kg | 1.2kg |
| | accuracy level | Standard type | | | | |
| Outgoing direction | L: Left outlet R: Right outlet | | | | | |
| Precision specification | Resolution (pulse) | 5μm(Full)/2.5μm(Half) | | | | |
| | Maximum speed | 20mm/sec | | | | |
| | Unidirectional positioning accuracy | Within 15 μm | | | | |
| | Repeated positioning accuracy | ±2μm | | | | |
| | Load (horizontal mounting) | 12Kgf | | | | |
| | idle | 5μm | | | | |
| | parallelism | 20μm | | | | |
| Straightness of motion | 3μm | | | | | |
| Parallelism of motion | 10μm | | | | | |
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft | | | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | | | |
| | | step angle | 1.8°/0.72°/0.36° | | | |
| | | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 Phase A | | | |
| | Sensor | Limit sensor | Panasonic Vision PM-L25-P: Two | | | |
| | | Origin sensor | NONE | | | |
| | | INPUT VOLTAGE | DC24V±10% | | | |
| | | Consumption current | Below 40mA (individual sensor 20mA) | | | |
| | | control output | NPN open collector output DC24V below 8mA | | | |
| | | output control | Normally closed output (black): ON when light enters; Normally open output (white): ON when blocked - this platform is connected to normally closed output | | | |
| Connector specifications | 12 core standard socket | | | | | |
| Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | | | |
| Driver brand | Lingchen EtherCAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | | | |

Overall dimension

TXH6030B-L2-M28

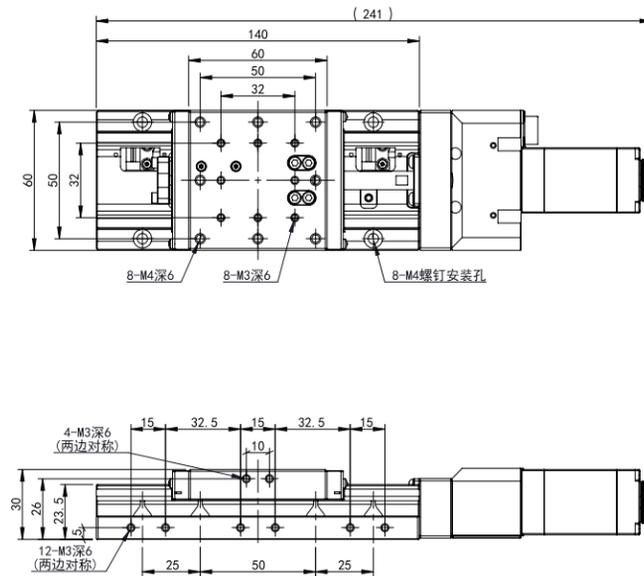


Electric X-axis

Aluminum alloy high rigidity built-in • Internal circulation ball sliding type Standard type

External dimensions

TXH6050B-L2-M28

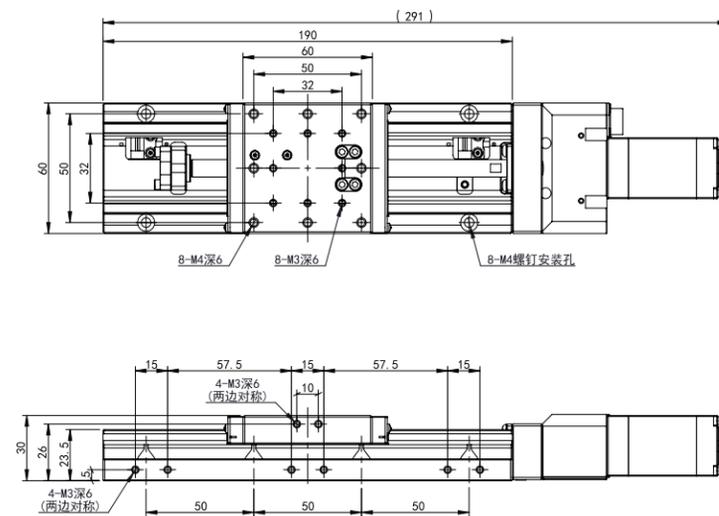


Electric X-axis

Aluminum alloy high rigidity built-in • Internal circulation ball sliding type Standard type

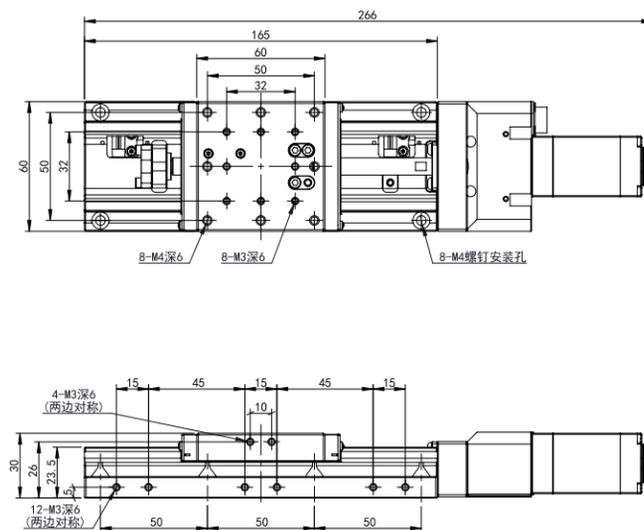
External dimensions

TXH60100B-L2-M28



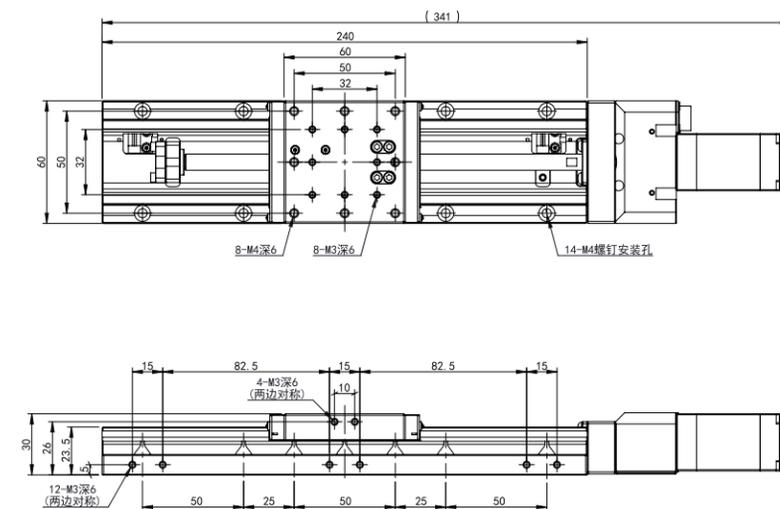
External dimensions

TXH6075B-L2-M28



External dimensions

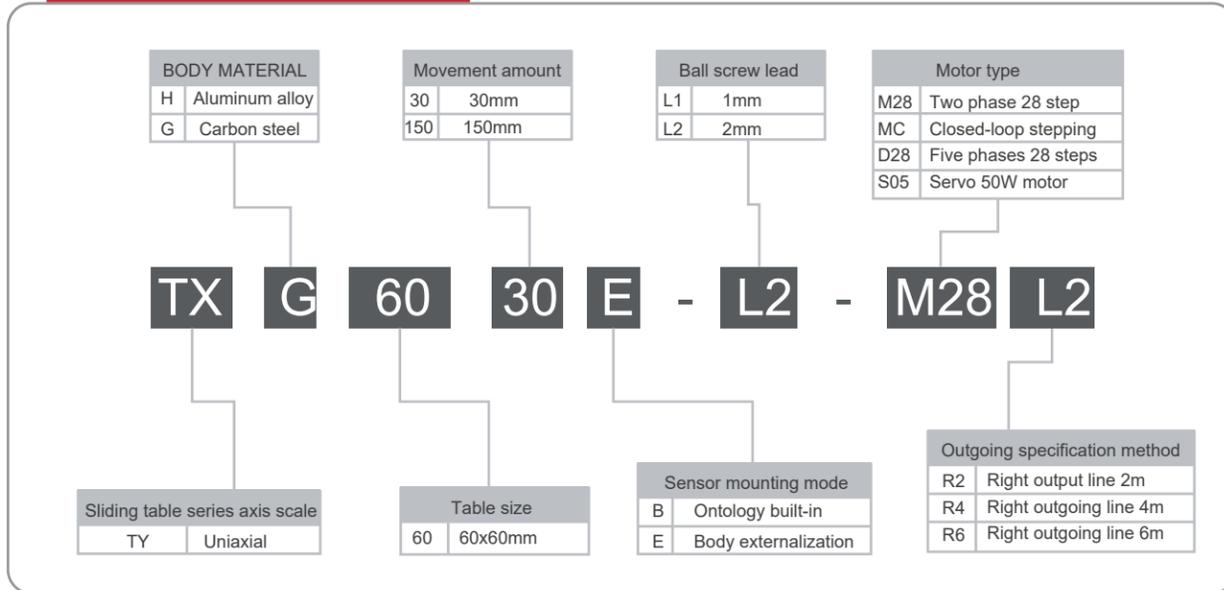
TXH60150B-L2-M28



Electric X-axis

Stainless steel high rigidity built-in • Internal circulation ball sliding type Standard type

Product Model Description

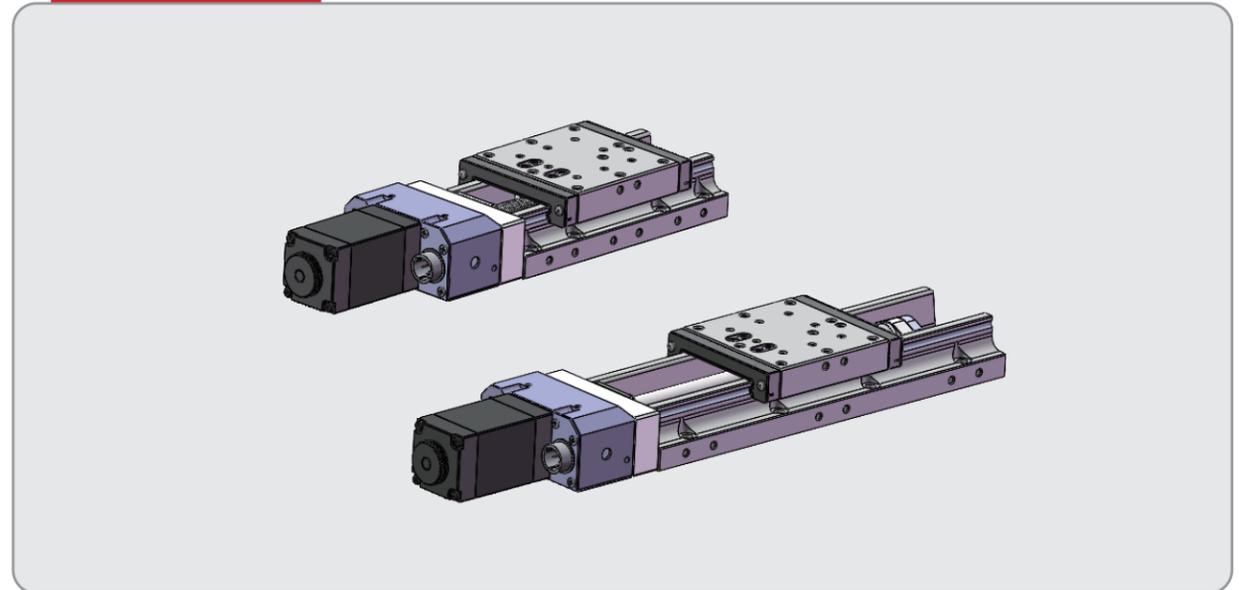


| Model number | TXG6030B-L2-M28 | TXG6050B-L2-M28 | TXG6075B-L2-M28 | TXG60100B-L2-M28 | TXG60150B-L2-M28 | |
|----------------------------------|---|--|--|------------------|------------------|-------|
| Mechanical specification | Table size | 60×60mm | | | | |
| | Moving stroke | 30mm | 50mm | 75mm | 100mm | 150mm |
| | thickness | 30mm | | | | |
| | Sliding orbit | Internal circulation linear ball guide | | | | |
| | Transmission mode | Grinding ball screw, lead 2mm | | | | |
| | Body material and surface | Aluminum alloy - black anodized | | | | |
| | Body weight | 1.25kg | 1.4kg | 1.6kg | 1.8kg | 2.0kg |
| accuracy level | Standard type | | | | | |
| Outgoing direction | L: Left outlet R: Right outlet | | | | | |
| Precision specification | Resolution (pulse) | 5μm(Full)/2.5μm(Half) | | | | |
| | Maximum speed | 20mm/sec | | | | |
| | Unidirectional positioning accuracy | Within 15μm | | | | |
| | Repeated positioning accuracy | ±2μm | | | | |
| | Load (horizontal mounting) | 14Kgf | | | | |
| | idle | 5μm | | | | |
| | parallelism | 20μm | | | | |
| Straightness of motion | 3μm | | | | | |
| Parallelism of motion | 10μm | | | | | |
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft | | | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | | | |
| | | step angle | 1.8°/0.72°/0.36° | | | |
| | | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 Phase A | | | |
| | Sensor | Limit sensor | Panasonic Vision PM-L25-P: Two | | | |
| | | Origin sensor | NONE | | | |
| | | INPUT VOLTAGE | DC24V±10% | | | |
| | | Consumption current | Below 40mA (individual sensor 20mA) | | | |
| | | control output | NPN open collector output DC24V below 8mA | | | |
| | | output control | Normally closed output (black): ON when light enters; Normally open output (white): ON when blocked - this platform is connected to normally closed output | | | |
| Connector specifications | 12 core standard socket | | | | | |
| Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | | | |
| Driver brand | Lingchen EtherCAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | | | |

Electric X-axis

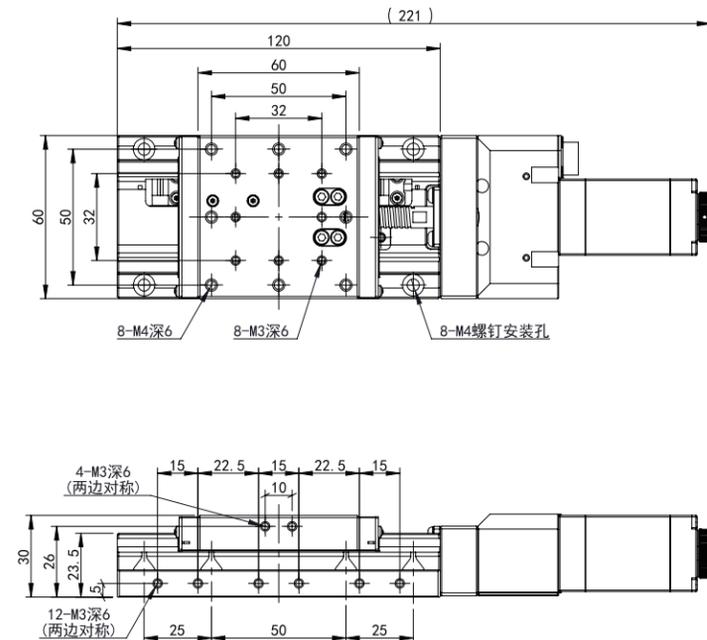
Stainless steel high rigidity built-in • Internal circulation ball sliding type Standard type

TXG6030B-L2-M28



Overall dimension

TXG6030B-L2-M28

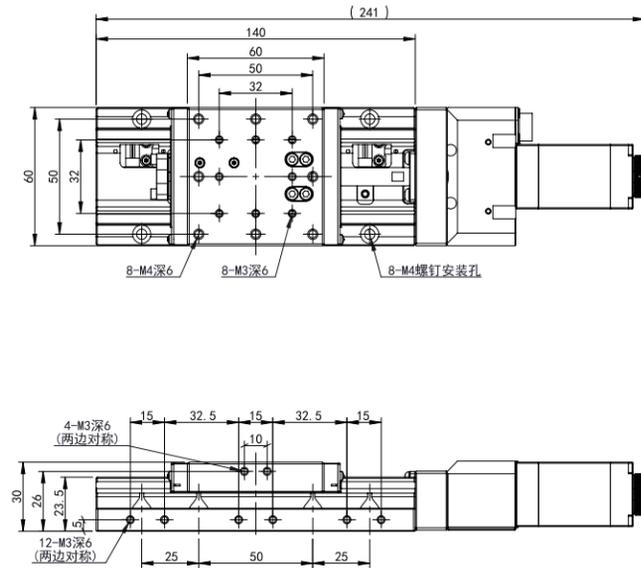


Electric X-axis

Stainless steel high rigidity built-in • Internal circulation ball sliding type Standard type

External dimensions

TXG6050B-L2-M28

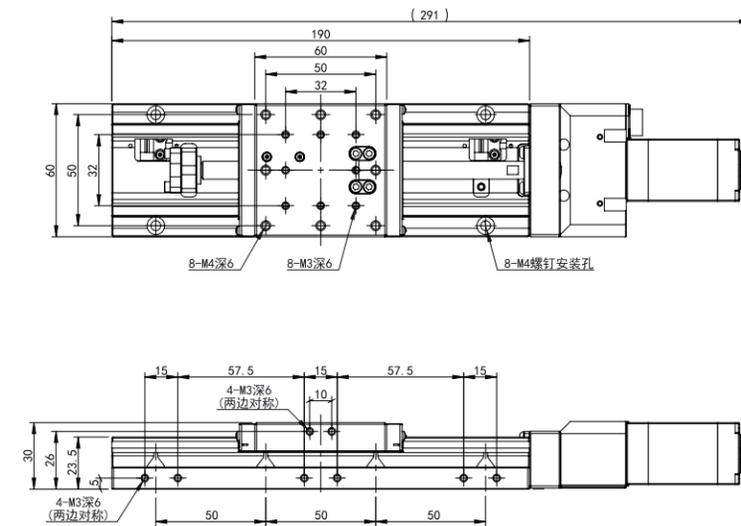


Electric X-axis

Stainless steel high rigidity built-in • Internal circulation ball sliding type Standard type

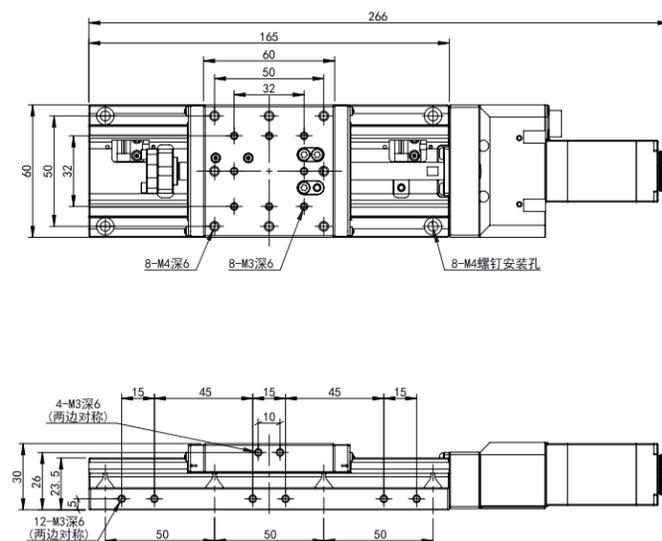
External dimensions

TXG60100B-L2-M28



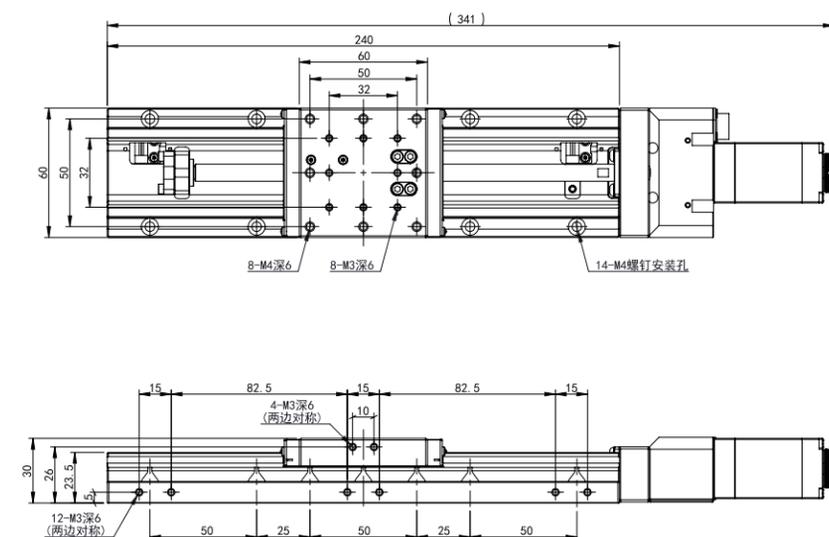
External dimensions

TXG6075B-L2-M28



External dimensions

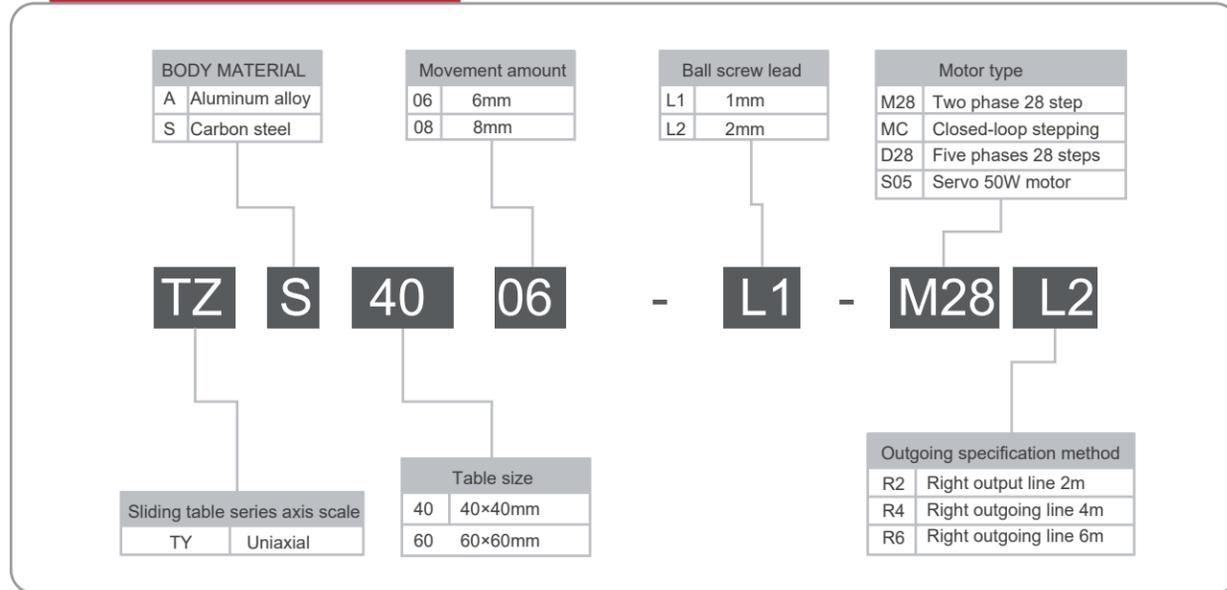
TXG60150B-L2-M28



Electric X-axis

Stainless steel electric lift • Steel ball sliding type • Standard type

Product Model Description



| Model number | TZS4006-L1-M28 | TZS6008-L1-M28 |
|---------------------------|----------------|--|
| Mechanical specification | | |
| Table size | 40×40mm | 60×60mm |
| Moving stroke | 6mm | 8mm |
| thickness | 60±3mm | 60±4mm |
| Sliding orbit | | Steel linear ball guide rail |
| Transmission mode | | Ball screw, lead 1mm |
| Body material and surface | | Steel - Non electrolytic chemical nickel |
| Body weight | 0.5kg | 1.0kg |
| accuracy level | | Standard type |
| Outgoing direction | | Standard side fixed outgoing line |

| | | |
|-------------------------|-------------------------------------|-----------------------|
| Precision specification | Resolution (pulse) | 5μm(Full)/2.5μm(Half) |
| | Maximum speed | 10mm/sec |
| | Unidirectional positioning accuracy | Within 15 μm |
| | Repeated positioning accuracy | 15μm |
| | Load (horizontal mounting) | 3Kgf |
| | idle | 5μm |
| | parallelism | 60μm |
| | Straightness of motion | 5μm |
| Parallelism of motion | 10μm | |

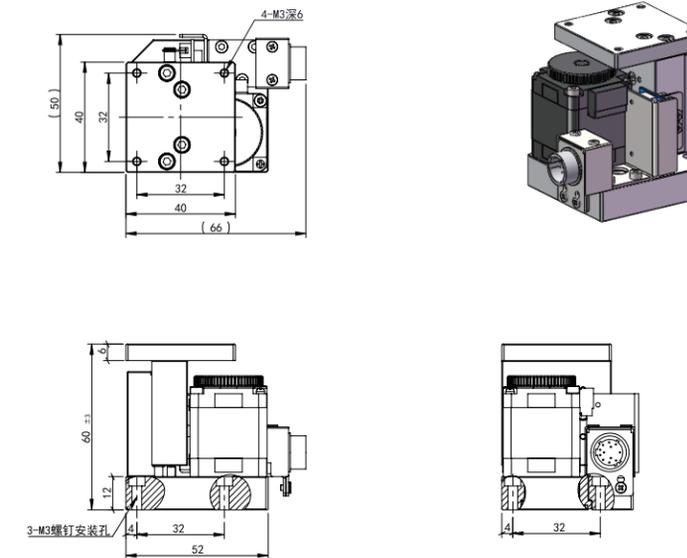
| | | | |
|----------------------------------|---|--|--|
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) |
| | | step angle | 1.8°/0.72°/0.36° |
| | | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 Phase A |
| | Sensor | Limit sensor | Micro photoelectric sensors: two |
| | | Origin sensor | Micro photoelectric sensor: one |
| | | INPUT VOLTAGE | DC24V±10% |
| | | Consumption current | Below 60mA (individual sensor 20mA) |
| | | control output | NPN open collector output DC24V below 8mA |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) |
| | Connector specifications | 12 core standard socket | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | |
| Driver brand | Lingchen EtherCAT open-loop bus (optional open-loop one to two and closed-loop bus) | | |

Electric X-axis

Stainless steel electric lift • Steel ball sliding type • Standard type

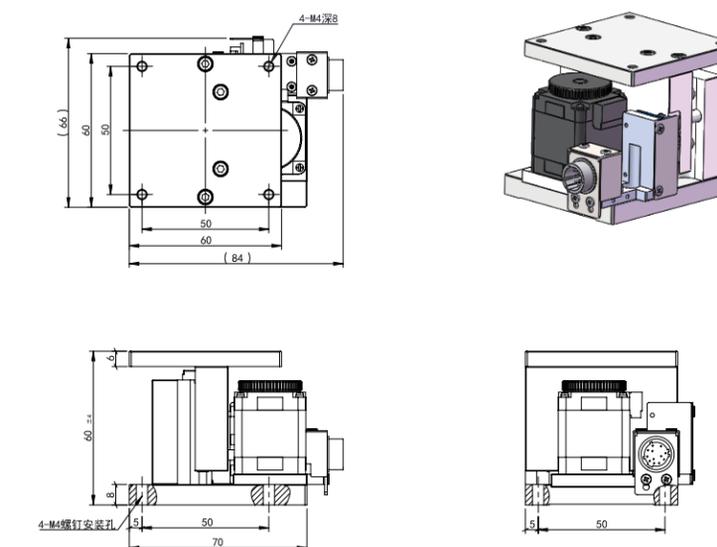
External dimensions

TZS4006-L1-M28



External dimensions

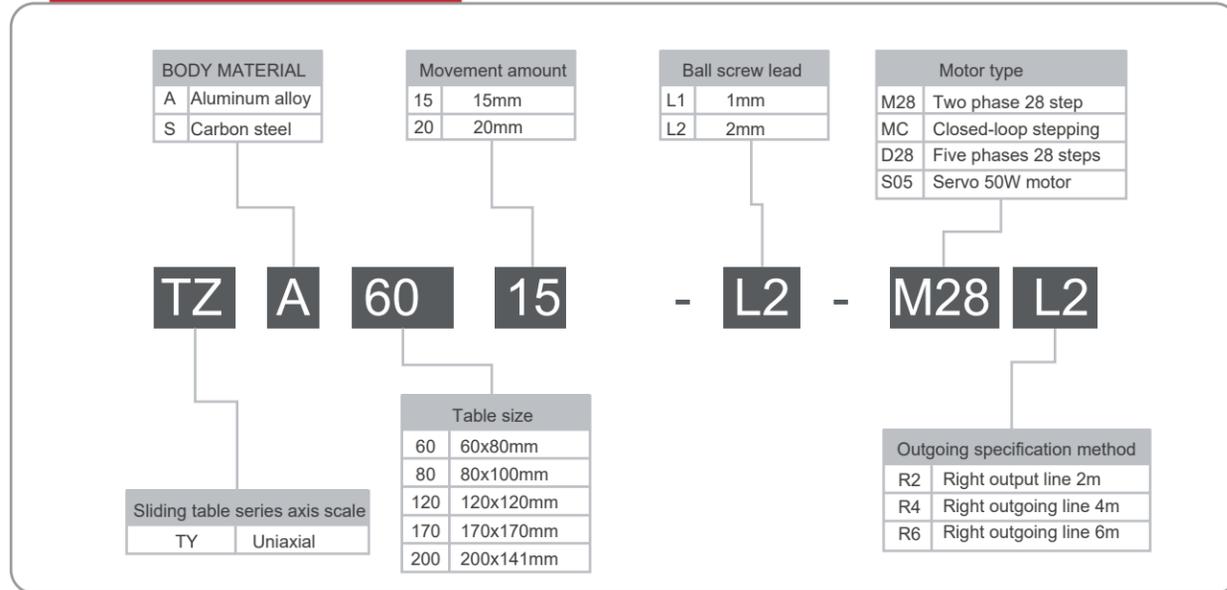
TZS6008-L1-M28



Electric X-axis

Aluminum alloy electric lifting slide table • Cross roller guide sliding type • Standard type

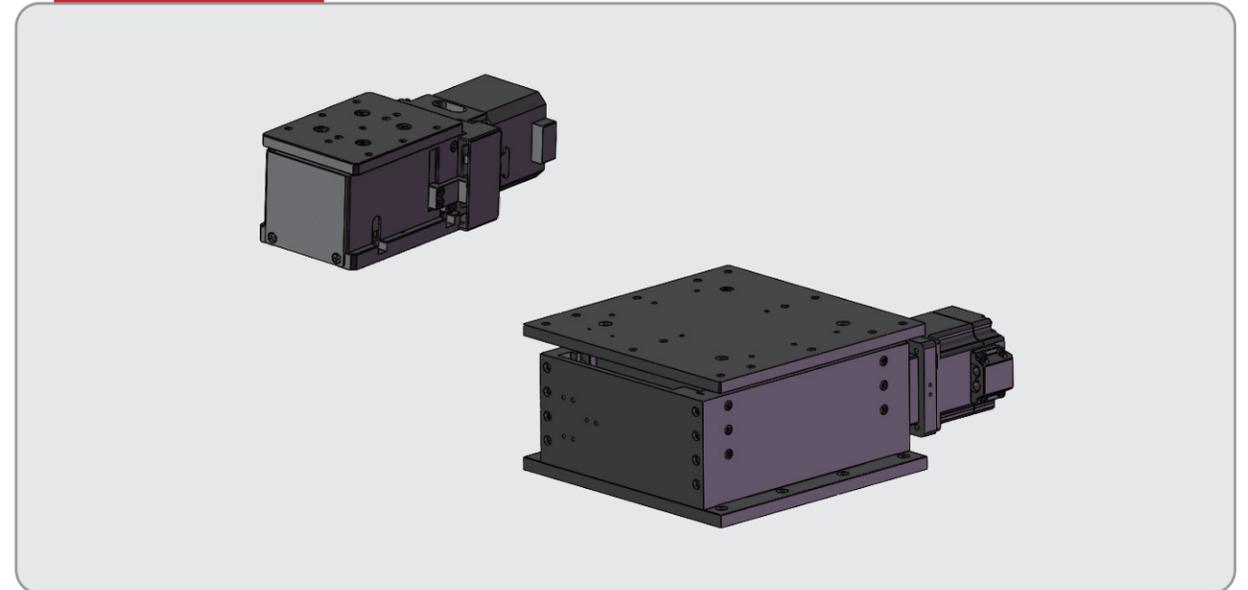
Product Model Description



Electric X-axis

Aluminum alloy electric lifting slide table • Cross roller guide sliding type • Standard type

TZA6015-L1-M28



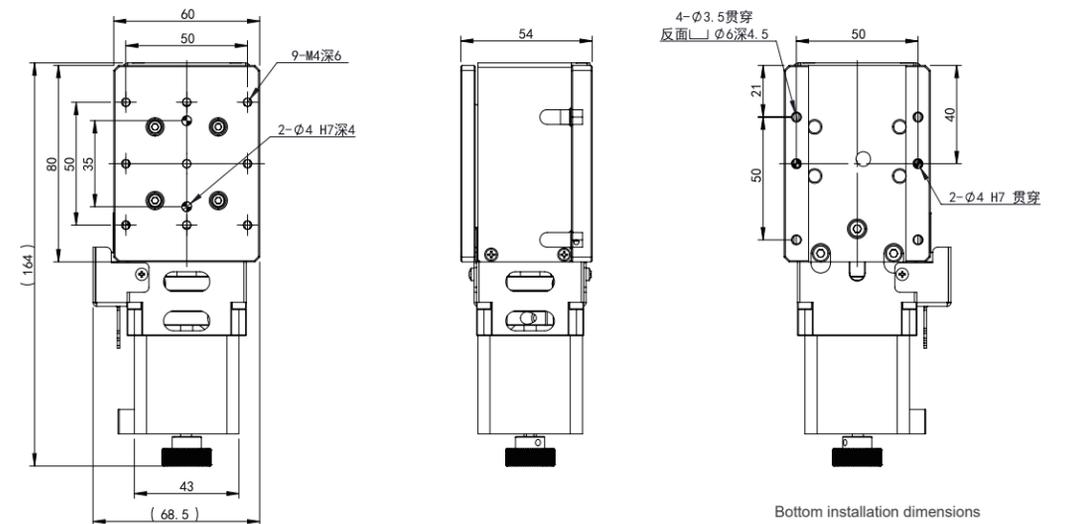
| Model number | TZA6015-L1-M42 | TZA8008-L1-M42 | TZA12020-L1-M42 | TZA17020-L2-M57 | TZA20020-L2-S40 |
|--------------------------------|---------------------------------|----------------|-----------------|-------------------------------|-------------------|
| table size | 60X80mm | 80X100mm | 120X120mm | 170X170mm | 200X141mm |
| shift motion | 15mm | 8mm | 20mm | 20mm | 20mm |
| thickness | 54mm | 63mm | 68mm | 90mm | 150mm |
| sliding rail | CROSS-ROLLER GUIDE | | | | linear guide rail |
| Transmission mode | Grinding ball screw, lead 1mm | | | Grinding ball screw, lead 2mm | |
| Body material and surface area | Aluminum alloy - black anodized | | | | |
| Body weight | 1.0kg | 2.5kg | 2.2kg | 12.5kg | 14.5kg |
| accuracy class | Standard type | | | | |
| Outgoing direction | L: Left outlet/R: Right outlet | | | | |

| Precision specification | TZA6015-L1-M42 | TZA8008-L1-M42 | TZA12020-L1-M42 | TZA17020-L2-M57 | TZA20020-L2-S40 |
|-------------------------------------|----------------|----------------|-----------------|-----------------|-----------------|
| maximum speed | 10mm/sec | 4mm/sec | 5mm/sec | 10mm/sec | 20mm/sec |
| Unidirectional positioning accuracy | 12μm以内 | | | | |
| repeatability | ±1μm | | | | |
| Load (horizontal installation) | 8Kgf | 20Kgf | 20Kgf | 15Kgf | 60Kgf |
| idling | 5μm | | | | |
| parallelism | 50μm | | | | |
| Straightness | 10μm | | | | |

| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42/57- dual output shaft | Servo 400W | |
|----------------------------------|--------------------------------|--|--|---------------------------------|--|
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | Panasonic | |
| | step angle | 1.8°/0.72°/0.36° | NONE | | |
| | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 Phase A | NONE | | |
| Sensor | Limit sensor | Photoelectric sensors: two | | | |
| | Origin sensor | Photoelectric sensor: one | | | |
| | INPUT VOLTAGE | DC24V±10% | | | |
| | Consumption current | Below 60mA (individual sensor 20mA) | | | |
| | control output | NPN open collector output DC24V below 8mA | | | |
| | output control | Normally closed output (black): ON when light enters; Normally open output (white): ON when blocked - this platform is connected to normally closed output | | | |
| | Connector specifications | 12 core standard socket | | 12Pin Male Female Connector HRS | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | |
| | Driver brand | Lingchen EtherCAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |

External dimensions

TZA6015-L1-M28



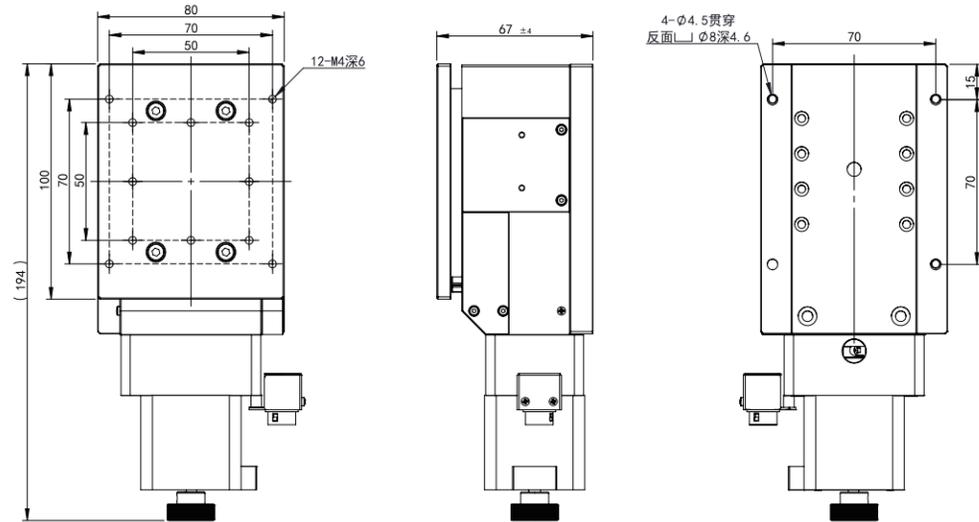
Bottom installation dimensions

Electric X-axis

Aluminum alloy electric lifting slide table • Cross roller guide sliding type • Standard type

External dimensions

TZA8008-L1-M42

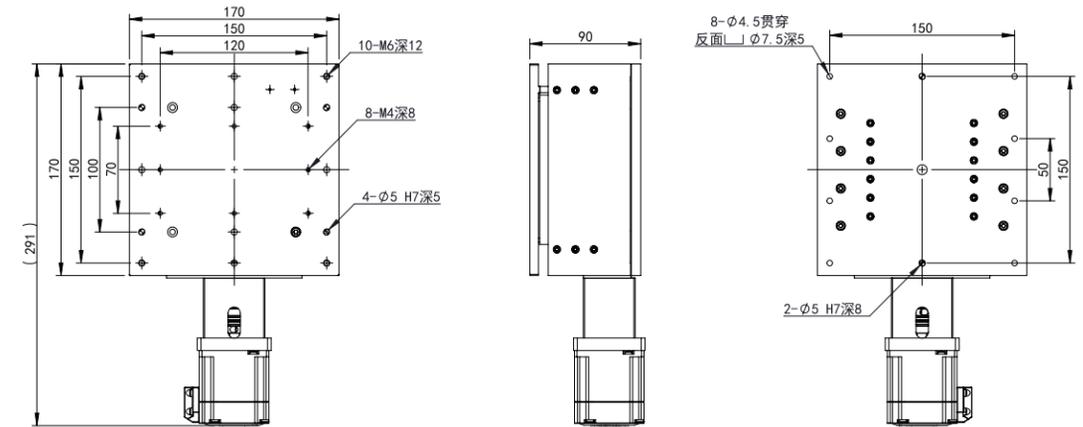


Electric X-axis

Aluminum alloy electric lifting slide table • Cross roller guide sliding type • Standard type

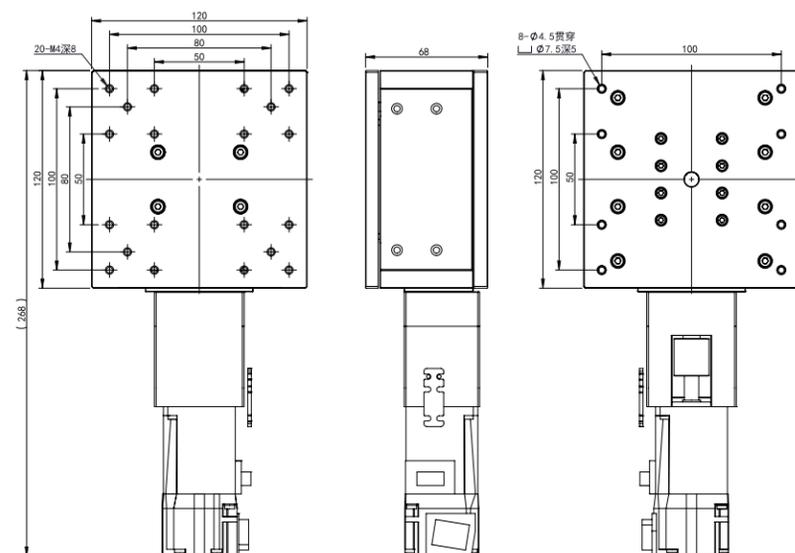
External dimensions

TZA17020-L2-M57



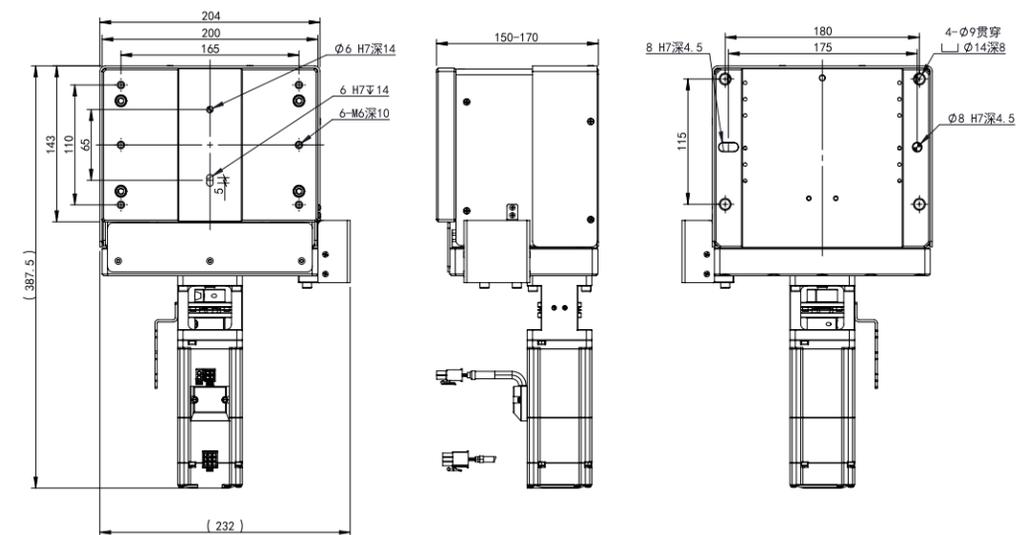
External dimensions

TZA12020-L1-M42



External dimensions

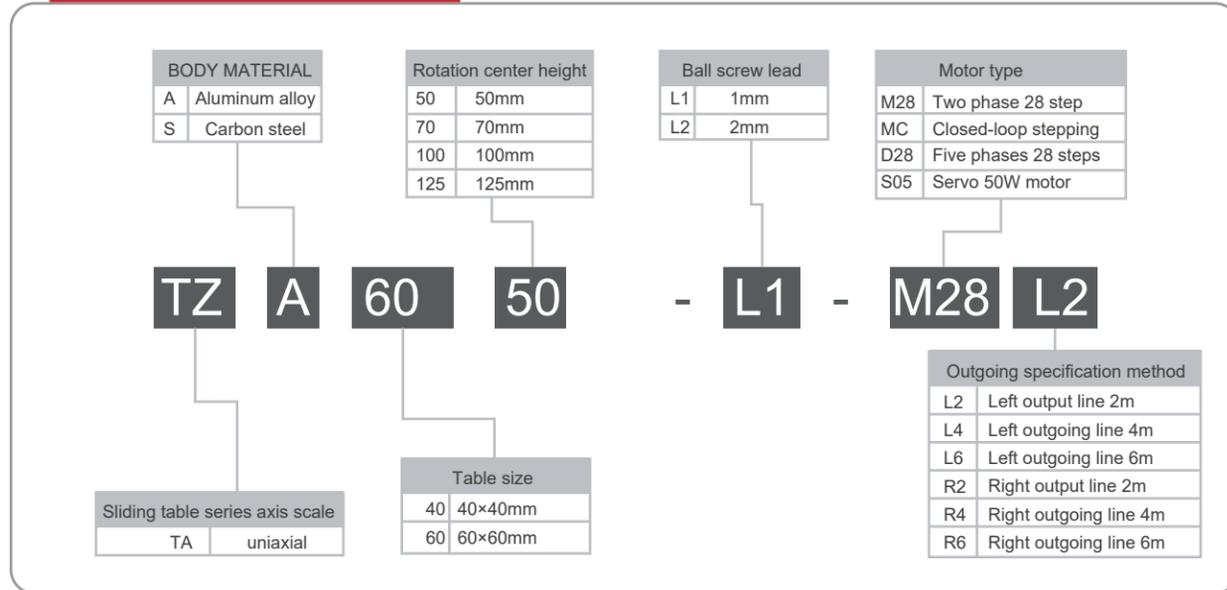
TZA20020-L2-S40



Electric α axis

Electric angle measuring slide table • Cross roller guide sliding type • Standard type

Product Model Description

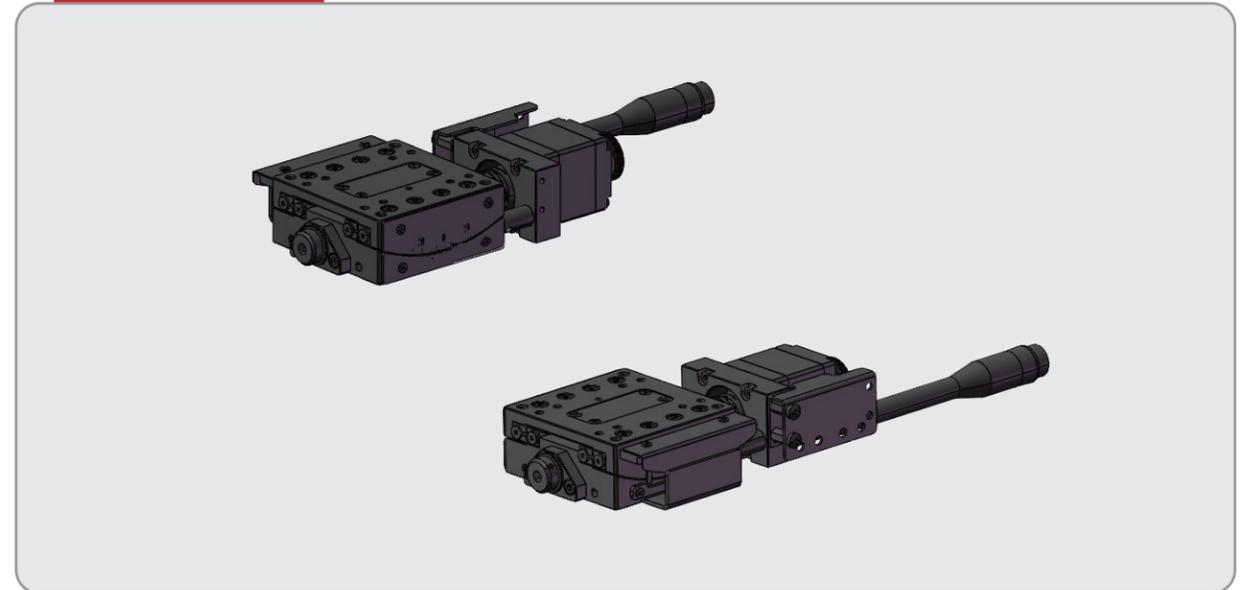


| Model number | TAA6050-L1-M28L | TAA6075-L1-M28L | TAA60100-L1-M28L | TAA60125-L1-M28L | |
|----------------------------------|--|--|--|------------------|------------------|
| | TAA6050-L1-M28R | TAA6075-L1-M28R | TAA60100-L1-M28R | TAA60125-L1-M28R | |
| Mechanical specification | table size | 60X60mm | | | |
| | shift motion | ±9° | ±7° | ±5° | ±4° |
| | thickness | 25+0.2mm | | | |
| | sliding rail | CROSS-ROLLER GUIDE | | | |
| | Transmission mode | Grinding ball screw, lead 1mm | | | |
| | Body material and surface area | Aluminum alloy - black anodized | | | |
| | Body weight | 0.5kg | | | |
| | accuracy class | Standard type | | | |
| Precision specification | Resolution (pulse) | 0.00206° | 0.00143° | 0.00109° | 0.00088° |
| | maximum speed | 30°/sec[15kHz] | 21°/sec[15kHz] | 16°/sec[15kHz] | 13.5°/sec[15kHz] |
| | repeatability | ±0.005° | | | |
| | Load (horizontal installation) | 5Kgf | | | |
| | idling | ±0.005° | | | |
| | Rotation center height | 50+0.2mm | 75+0.2mm | 100+0.2mm | 125+0.2mm |
| | Rotation center accuracy | 0.01mm | | | |
| | Outgoing direction | L: Left outlet/R: Right outlet | | | |
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft | | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | | |
| | | step angle | 1.8°/10.72°/10.36° | | |
| | | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 Phase A | | |
| | Sensor | Limit sensor | Micro photoelectric sensors: two | | |
| | | Origin sensor | Micro photoelectric sensor: one | | |
| | | INPUT VOLTAGE | DC24V+10% | | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | | |
| | | control output | NPN open collector output DC24V below 8mA | | |
| | output control | When detecting (shading): Output transistor OFF (non-conductive) | | | |
| | Connector specifications | 12Pin Male Female Connector HRS | | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | | |

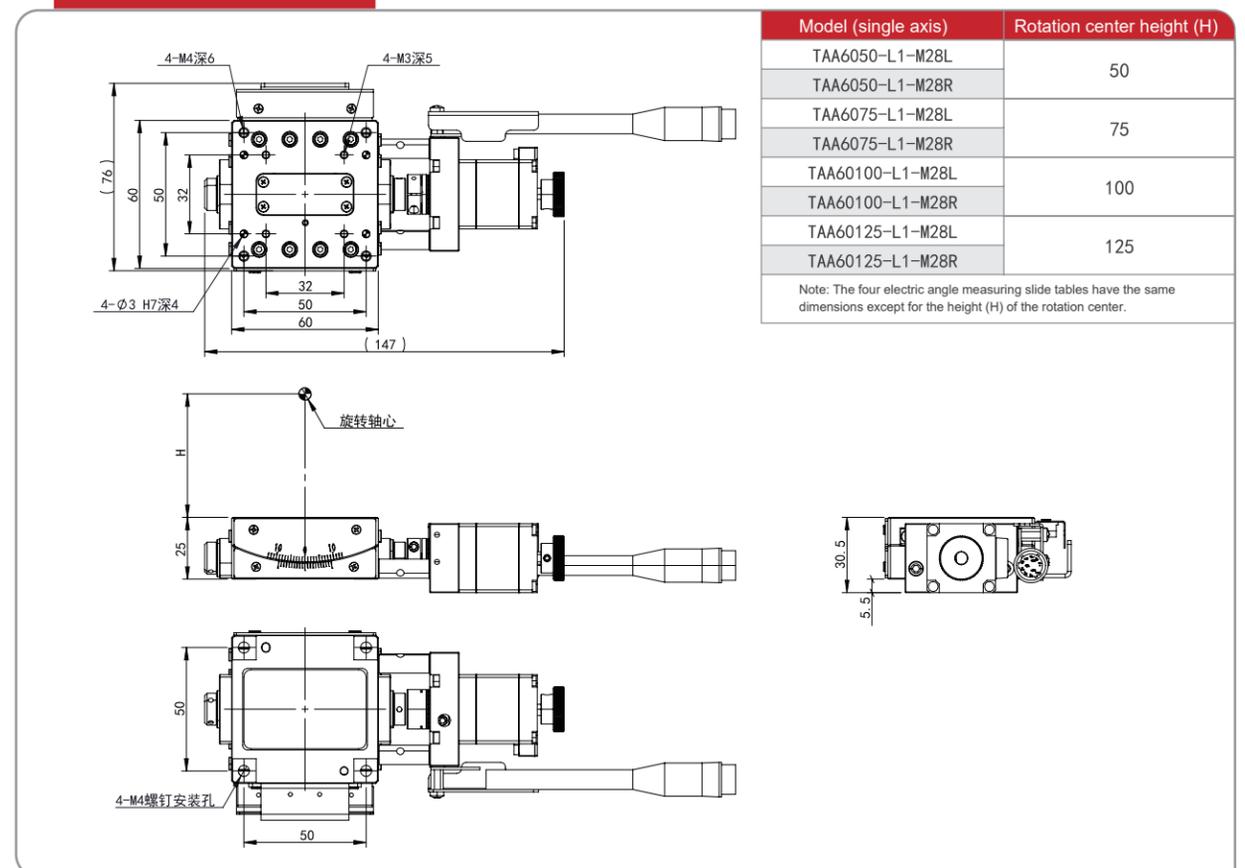
Electric α axis

Electric angle measuring slide table • Cross roller guide sliding type • Standard type

TAA6050-L1-M28L



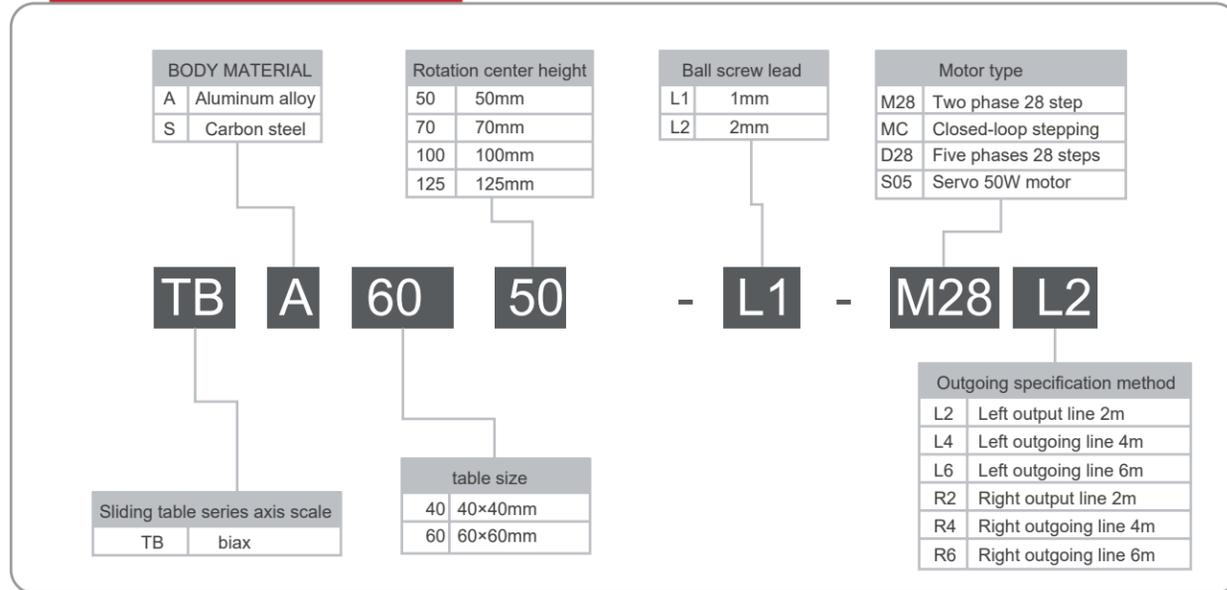
External dimensions



Electric $\alpha\beta$ axis

Dual axis electric angle measuring slide table • Cross roller arc pendulum • Standard type

Product Model Description

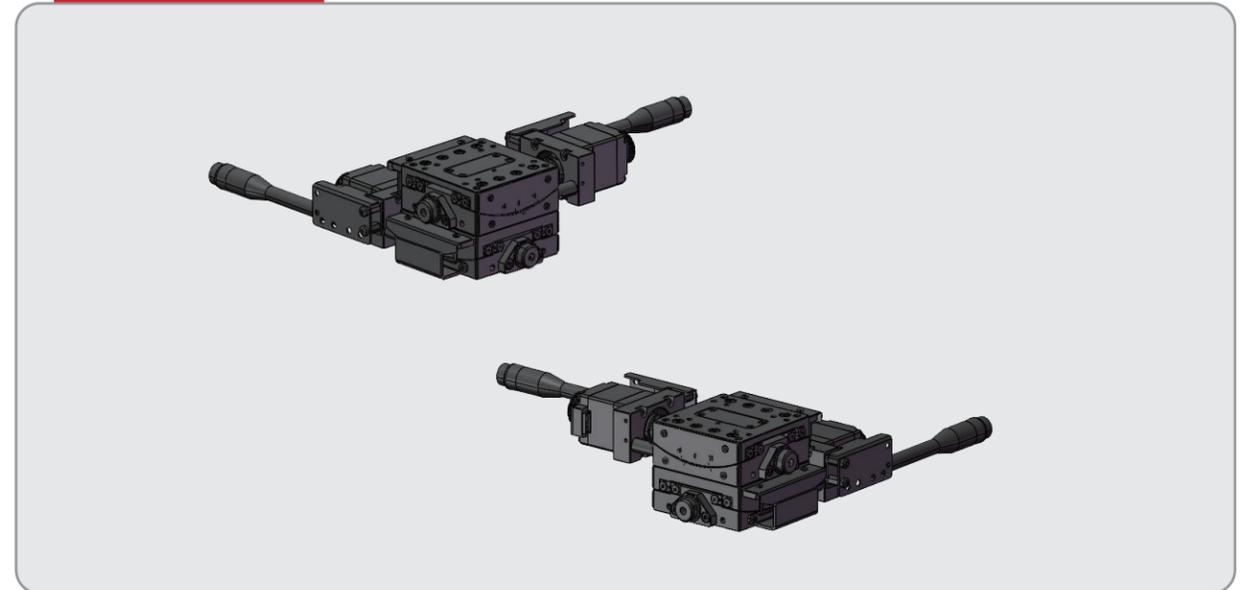


| Model number | TBA6050-L1-M28L | TBA6075-L1-M28L | TAA60100-L1-M28L | |
|----------------------------------|--|--|--|--|
| | TBA6050-L1-M28R | TBA6075-L1-M28R | TBA60100-L1-M28R | |
| Mechanical specification | table size | 60X60mm | | |
| | shift motion | β axis $\pm 9^\circ$ / α axis $\pm 7^\circ$ | β axis $\pm 7^\circ$ / α axis $\pm 5^\circ$ | β axis $\pm 5^\circ$ / α axis $\pm 4^\circ$ |
| | thickness | 50+0.2mm | | |
| | sliding rail | CROSS-ROLLER GUIDE | | |
| | Transmission mode | Grinding ball screw, lead 1mm | | |
| | Body material and surface area | Aluminum alloy - black anodized | | |
| | Body weight | 1.0kg | | |
| | accuracy class | Standard type | | |
| Outgoing direction | L: Left outlet/R: Right outlet | | | |
| Precision specification | Resolution (pulse) | β axis 0.00206° α axis 0.00143° | β axis 0.00143° α axis 0.00109° | β axis 0.00109° Alpha axis 0.00088° |
| | maximum speed | β axis 30°/sec [15kHz] Alpha axis 21°/sec [15kHz] | β axis 21°/sec [15kHz] Alpha axis 16°/sec [15kHz] | β axis 16°/sec [15kHz] Alpha axis 13.5°/sec [15kHz] |
| | repeatability | $\pm 0.005^\circ$ | | |
| | Load (horizontal installation) | 4Kgf | | |
| | idling | $\pm 0.005^\circ$ | | |
| | Rotation center height | 50+0.4mm | 75+0.4mm | 100+0.4mm |
| | Rotation center accuracy | 0.01mm | | |
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | |
| | | step angle | 1.8°/0.72°/0.36° | |
| | Sensor | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 A/phase | |
| | | Limit sensor | Micro photoelectric sensors: two | |
| | | Origin sensor | Micro photoelectric sensor: one | |
| | | INPUT VOLTAGE | DC24V $\pm 10\%$ | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | |
| | | control output | NPN open collector output DC24V below 8mA | |
| | output control | When detecting (shading): Output transistor OFF (non-conductive) | | |
| | Connector specifications | 12Pin Male Female Connector HRS | | |
| Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |

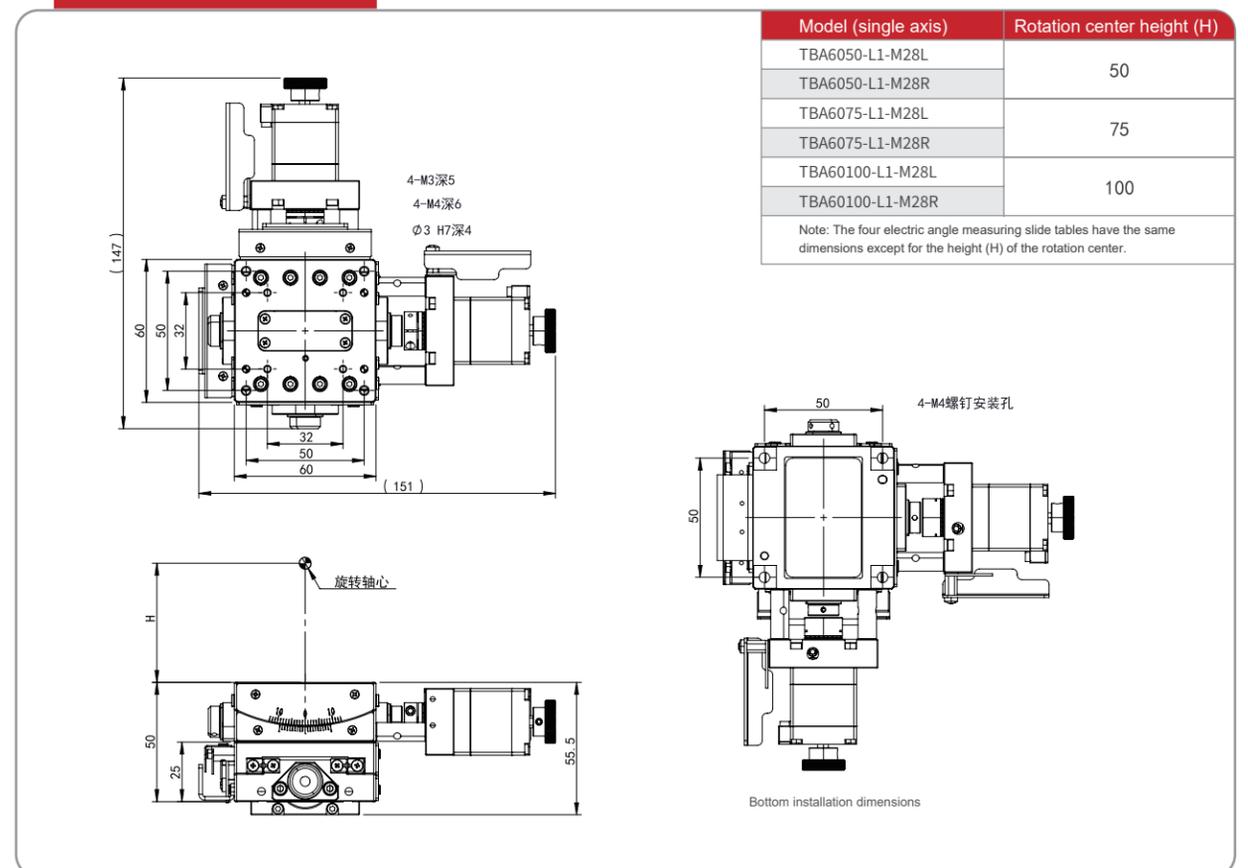
Electric $\alpha\beta$ axis

Dual axis electric angle measuring slide table • Cross roller arc pendulum • Standard type

TAA6050-L1-M28L



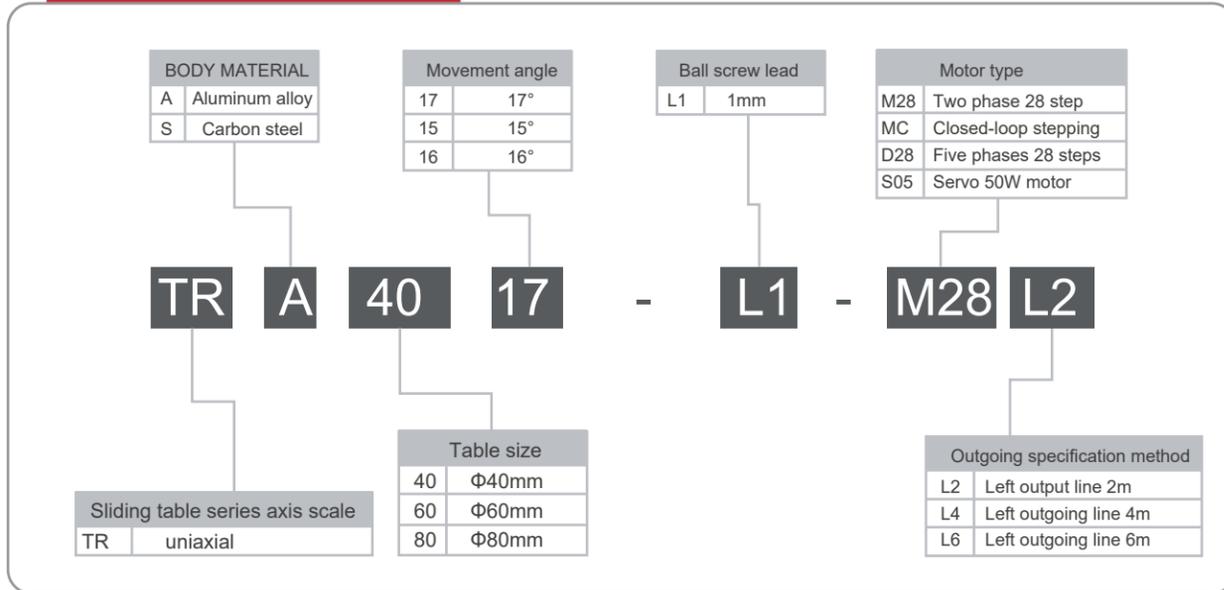
External dimensions



Electric θ axis

Electric precision rotating slide table • Cross roller collar rotating type • Standard type

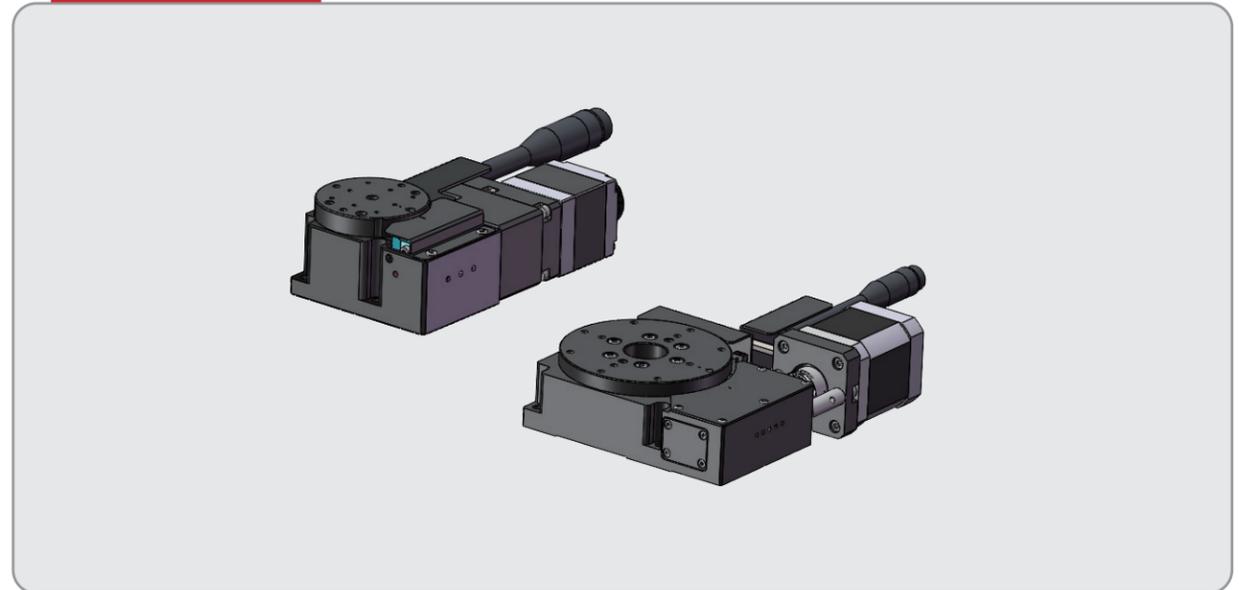
Product Model Description



Electric θ axis

Electric precision rotating slide table • Cross roller collar rotating type • Standard type

TRA4017-L1-M28



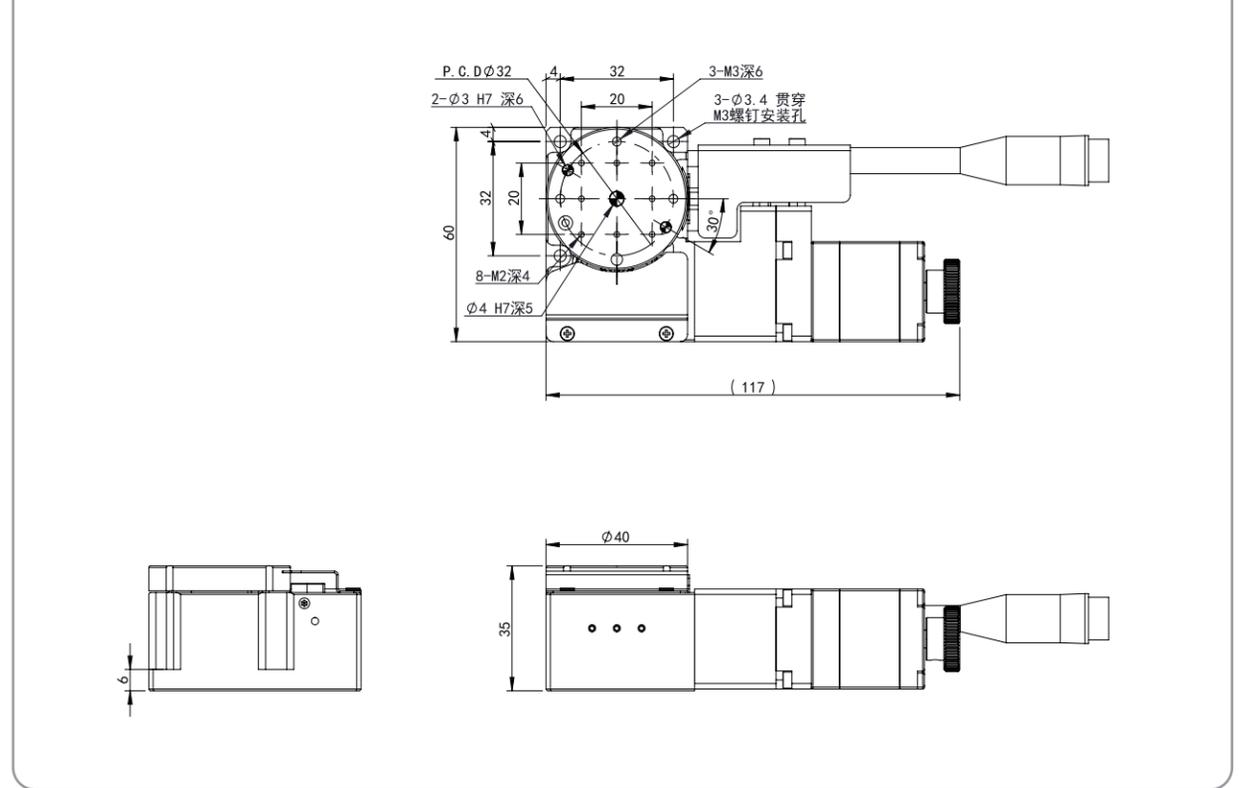
| Model number | TRA4017-L1-M28 | TRA6015-L1-M28 | TRA8016-L1-M28 | TRA8020-L1-M28 | TRA12018-L1-M28 |
|--------------------------------|---------------------------------|----------------|----------------|----------------|-------------------|
| table size | Φ40mm | Φ60mm | Φ80mm | Φ80mm | Φ120mm |
| shift motion | ±8.5° | ±7.5° | ±8° | ±10° | ±9° |
| thickness | 35mm | | 36mm | 35mm | 50mm |
| sliding rail | CROSS-ROLLER GUIDE | | | | linear guide rail |
| Transmission mode | Grinding ball screw, lead 1mm | | | | |
| Body material and surface area | Aluminum alloy - black anodized | | | | |
| Body weight | 0.5kg | 0.7kg | 1.3kg | 0.9kg | 2.9kg |
| accuracy class | Standard type | | | | |
| Outgoing direction | L: Left outlet/R: Right outlet | | | | |

| Precision specification | TRA4017-L1-M28 | TRA6015-L1-M28 | TRA8016-L1-M28 | TRA8020-L1-M28 | TRA12018-L1-M28 |
|--------------------------------|----------------|----------------|----------------|----------------|-----------------|
| Resolution (pulse) | 0.0168° | 0.0011° | 0.008° | 0.005° | 0.004° |
| maximum speed | 33°/sec | 21°/sec | 16°/sec | 8.5°/sec | 7.5°/sec |
| repeatability | ±0.006° | | | | |
| Load (horizontal installation) | 4Kgf | 6Kgf | 7Kgf | 6Kgf | 20Kgf |
| idling | ±0.005° | | | | |
| parallelism | 0.05mm | | | | |

| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft |
|----------------------------------|--------------------------------|--|---|
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) |
| | step angle | 1.8°/0.72°/0.36° | |
| | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 A/phase | |
| Sensor | Limit sensor | Photoelectric sensors: two | Photoelectric sensors: two |
| | Origin sensor | NONE | Photoelectric sensor: one |
| | INPUT VOLTAGE | DC24V+10% | |
| | Consumption current | Below 60mA (individual sensor 20mA) | |
| | control output | NPN open collector output DC24V below 8mA | |
| | output control | When detecting (shading): Output transistor OFF (non-conductive) | |
| | Connector specifications | 12Pin Male Female Connector HRS | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | |
| | Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | |

External dimensions

TRA4017-L1-M28

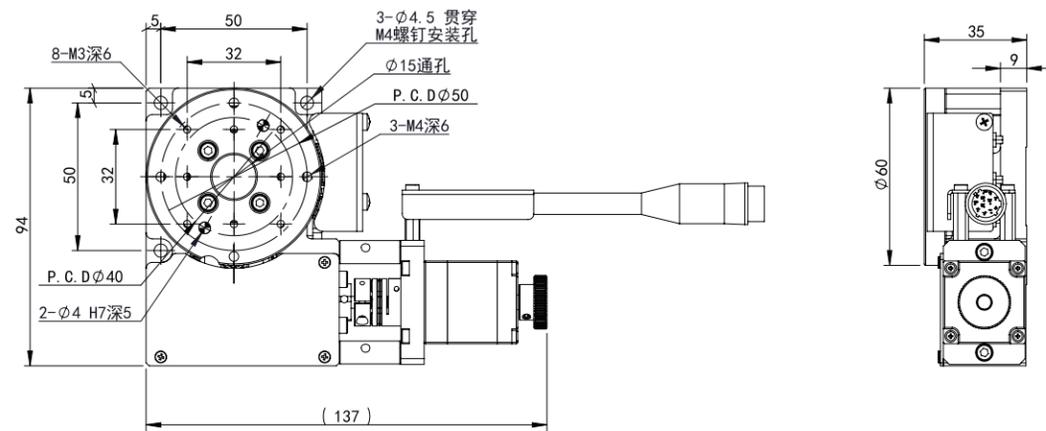


Electric θ axis

Electric precision rotating slide table • Cross roller collar rotating type • Standard type

External dimensions

TRA6015-L1-M28

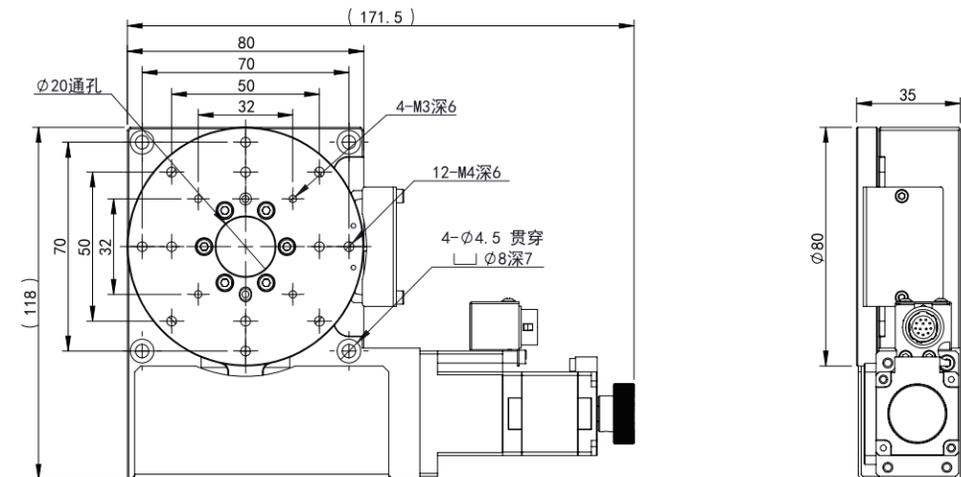


Electric θ axis

Electric precision rotating slide table • Cross roller collar rotating type • Standard type

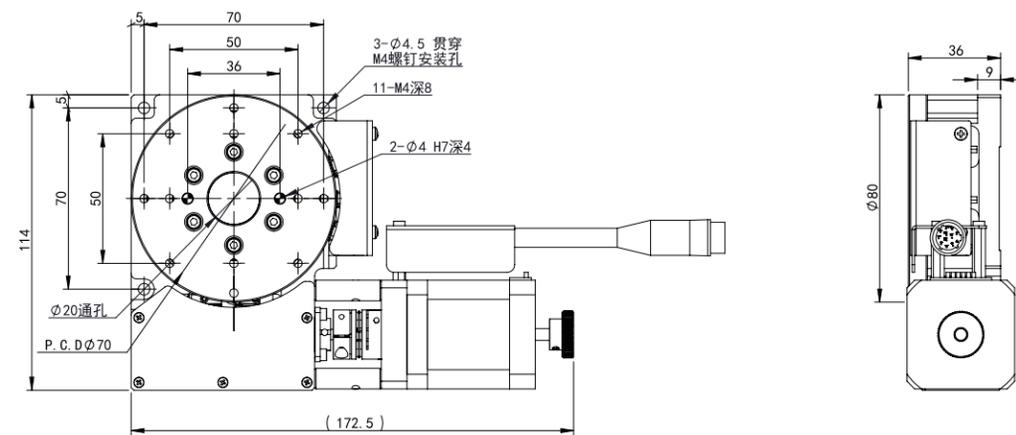
External dimensions

TRA8020-L1-M28



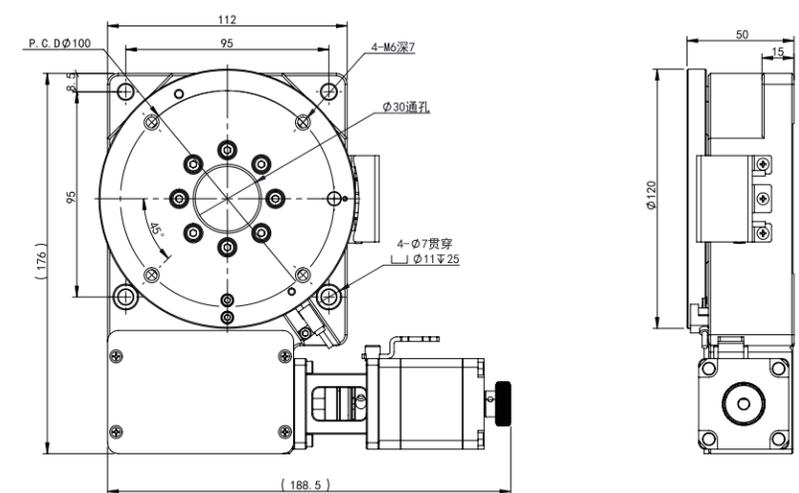
External dimensions

TRA8016-L1-M28



External dimensions

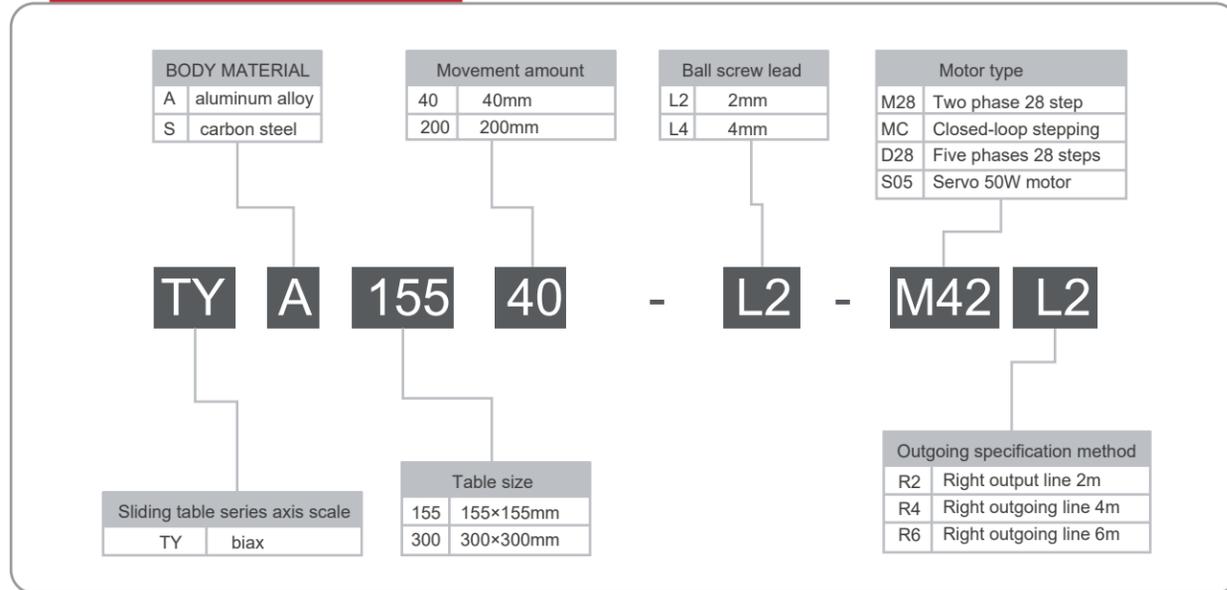
TRA12018-L1-M28



Electric XY axis

Aluminum alloy integrated alignment platform • Cross roller sliding type • Standard type

Product Model Description



| Model number | TYA15540-L4-S10 | TYA300200-L2-M42 |
|--------------------------------|-----------------------------------|----------------------|
| table size | 155x155mm | 300x300mm |
| shift motion | ±20mm | ±100mm |
| thickness | 68mm | 75mm |
| sliding rail | CROSS-ROLLER GUIDE | |
| Transmission mode | Ball screw, lead 4mm | Ball screw, lead 2mm |
| Body material and surface area | Aluminum alloy - black anodized | |
| Body weight | 5.6kg | 15kg |
| accuracy class | Standard type | |
| Outgoing direction | Standard side fixed outgoing line | |

| | | |
|-------------------------------------|--------------|----------|
| maximum speed | 40mm/sec | 20mm/sec |
| Unidirectional positioning accuracy | Within 20 μm | |
| repeatability | ±2μm | ±3μm |
| Load (horizontal installation) | 30Kgf | 15Kgf |
| idling | 5μm | |
| parallelism | 50μm | |

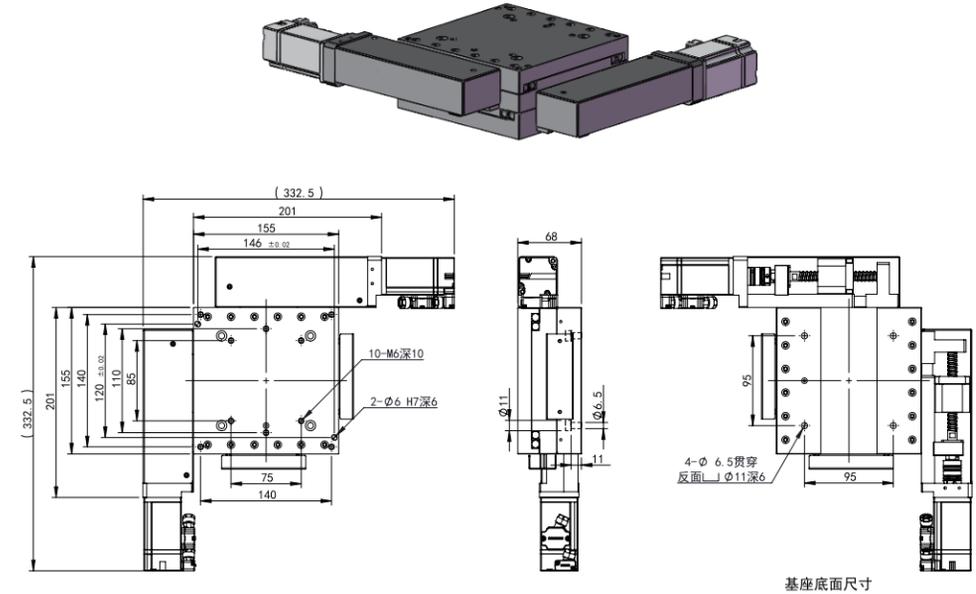
| | | | |
|----------------------------------|--|--|--|
| Electric appliance specification | Motor | Type/Output Shaft | Servo 100W/two-phase/five phase stepper motor/28/42 |
| | | Brand model | Huichuan/Panasonic/Shinano/Mingzhi/Dongfang (optional) |
| | | step angle | 1.8°/0.72°/0.36° |
| | | Rated current | Two phases: 1.3 Phase A; Eastern Five Elements: 0.75 Phase A |
| | Sensor | Limit sensor | Photoelectric sensors: two |
| | | Origin sensor | Photoelectric sensor: one |
| | | INPUT VOLTAGE | DC24V+10% |
| | | Consumption current | Below 60mA (individual sensor 20mA) |
| | | control output | NPN open collector output DC24V below 8mA |
| | output control | When detecting (shading): Output transistor OFF (non-conductive) | |
| | Connector specifications | 12Pin Male Female Connector HRS | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | |

Electric XY axis

Aluminum alloy integrated alignment platform • Cross roller sliding type • Standard type

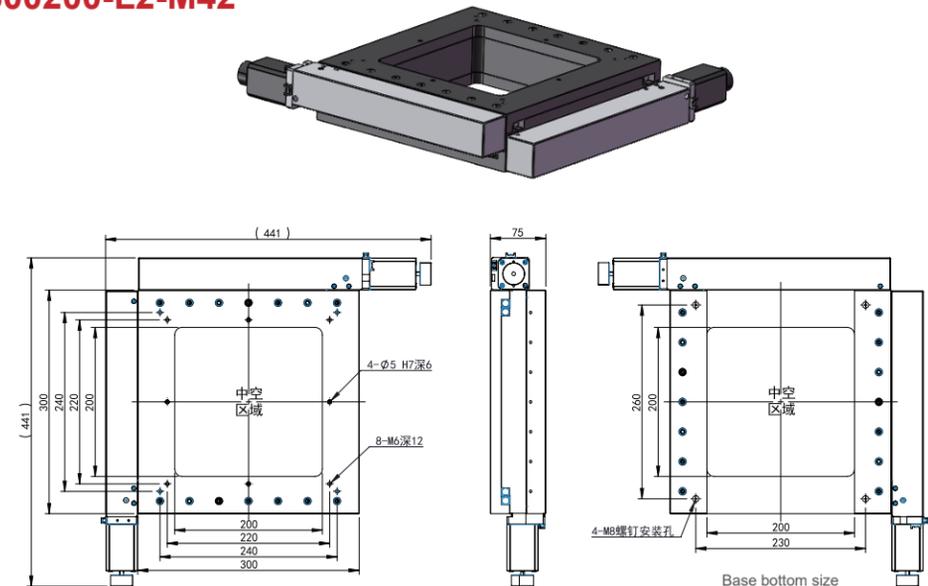
External dimensions

TYA15540-L4-S10



External dimensions

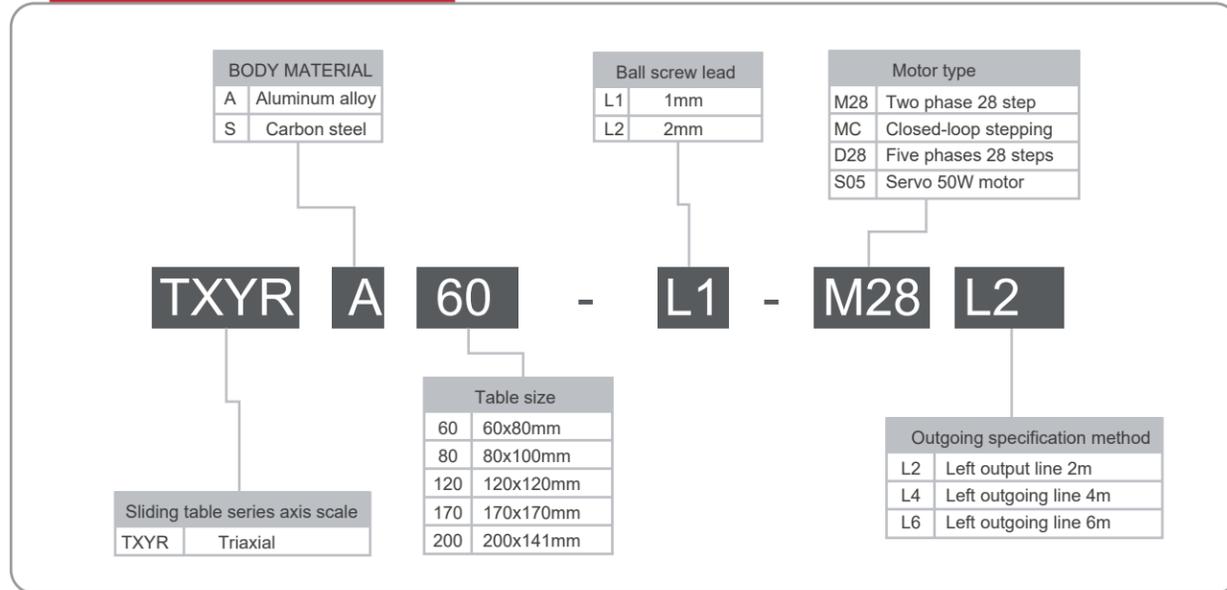
TYA300200-L2-M42



Electric XYR axis

Electric integrated three-axis sliding table • Cross roller collar rotating type • Standard type

Product Model Description



| Model number | TXYRA60-L1-M28 | TXYRA70-L1-M28 | TXYRA80-L1-M28 | TXYRA120-L1-M28 | TXYRA200-L1-M28 |
|--------------------------------|--|----------------|----------------|-----------------|-----------------|
| table size | Φ 60mm | 70x70mm | Φ80mm | Φ120mm | 200x200mm |
| shift motion | XY:±7.5,R:±8.5° | XY:±5,R:±5° | XY:±12,R:±10° | XY:±15,R:±10° | XY:±15,R:±5° |
| thickness | 40mm | 60mm | 55mm | 60mm | 54.5mm |
| sliding rail | Cross roller guide rail; Cross roller collar | | | | |
| Transmission mode | Grinding ball screw, lead 1mm | | | | |
| Body material and surface area | Aluminum alloy - black anodized | | | | |
| Body weight | 2.2kg | 2.3kg | 2.5kg | 2.9kg | 5.2kg |
| accuracy class | Standard type | | | | |
| Outgoing direction | L: Standard outgoing line | | | | |

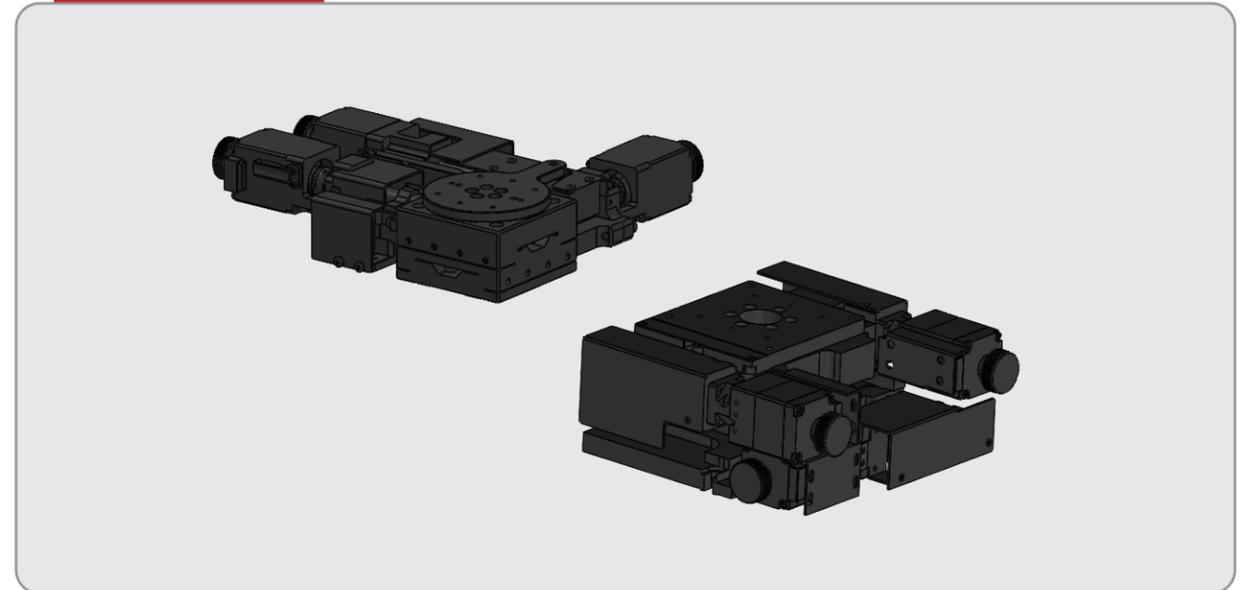
| | | | | | |
|------------------------------------|----------|-----------|--------|--------|-----------|
| Maximum speed XY | 10mm/sec | | | | |
| Maximum speed R | 8°/sec | 12.7°/sec | 8°/sec | 8°/sec | 4.98°/sec |
| Positioning accuracy XY | 15μm | | | | |
| Positioning accuracy R | 0.05° | | | | |
| Repetitive positioning accuracy XY | ±1μm | | | | |
| Repetitive positioning accuracy R | ±0.01° | ±0.003° | ±0.01° | ±0.01° | ±0.001° |
| Load (horizontal installation) | 6Kgf | 7Kgf | 10Kgf | 25Kgf | 35Kgf |
| parallelism | 0.05mm | | | | |

| | | | |
|----------------------------------|--------------------------|--------------------------------|--|
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42- dual output shaft |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) |
| | | step angle | 1.8°/0.72°/0.36° |
| | Sensor | Rated current | Two phases: 1.3 A/phase; Eastern Five Elements: 0.75 Phase A |
| | | Limit sensor | Photoelectric sensors: two |
| | | Origin sensor | Photoelectric sensor: one |
| | | INPUT VOLTAGE | DC24V+10% |
| | | Consumption current | Below 60mA (individual sensor 20mA) |
| | | control output | NPN open collector output DC24V below 8mA |
| | Connector specifications | output control | When detecting (shading): Output transistor OFF (non-conductive) |
| | | Connector specifications | 12Pin Male Female Connector HRS |
| | | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) |
| | | Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) |

Electric XYR axis

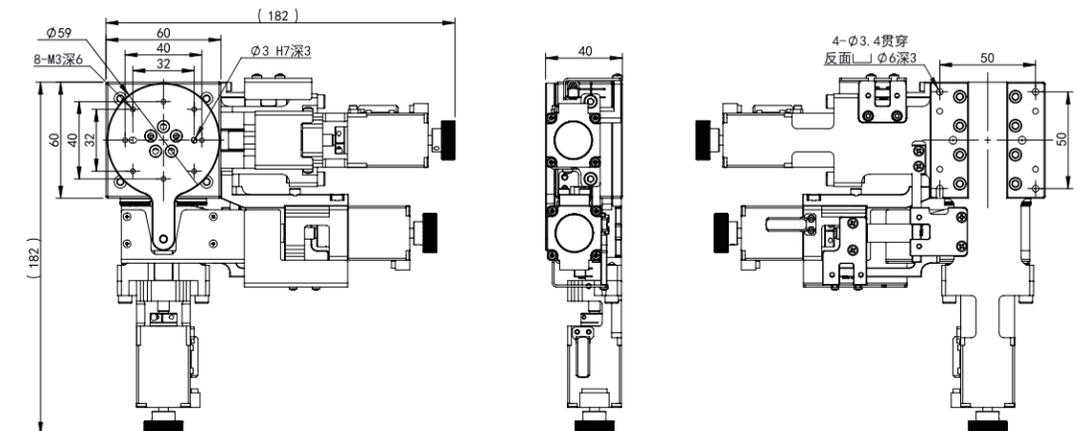
Electric integrated three-axis sliding table • Cross roller collar rotating type • Standard type

TXYRA60-L1-M28



Overall dimension

TXYRA60-L1-M28

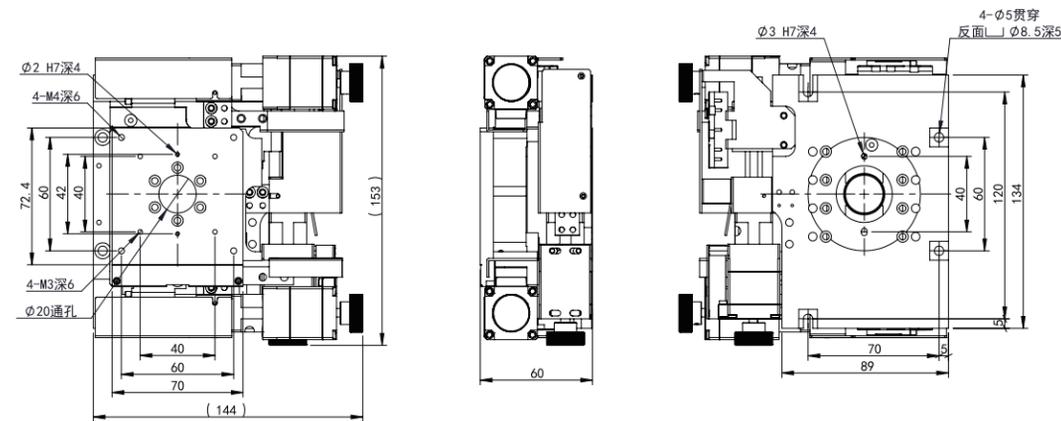


Electric XYR axis

Electric integrated three-axis sliding table • Cross roller collar rotating type • Standard type

External dimensions

TXYRA70-L1-M28

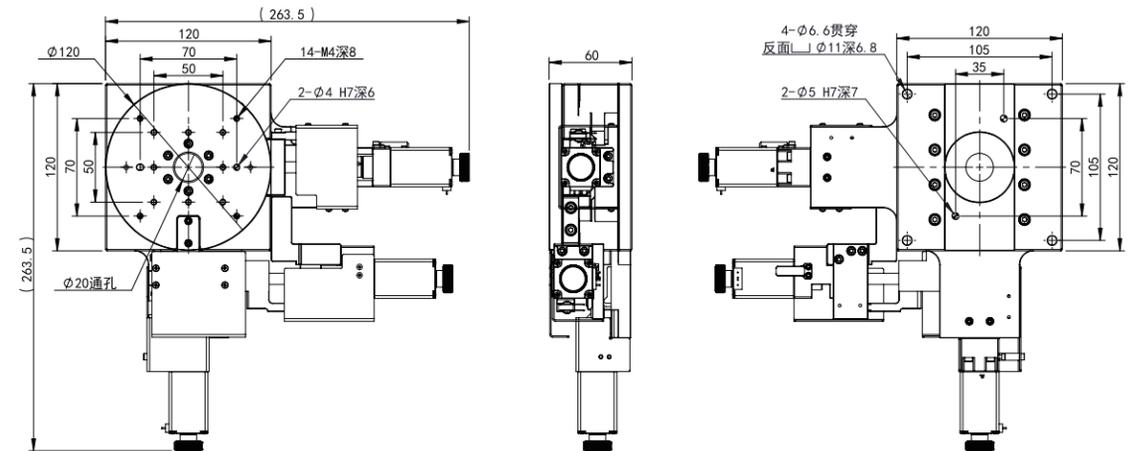


Electric XYR axis

Electric integrated three-axis sliding table • Cross roller collar rotating type • Standard type

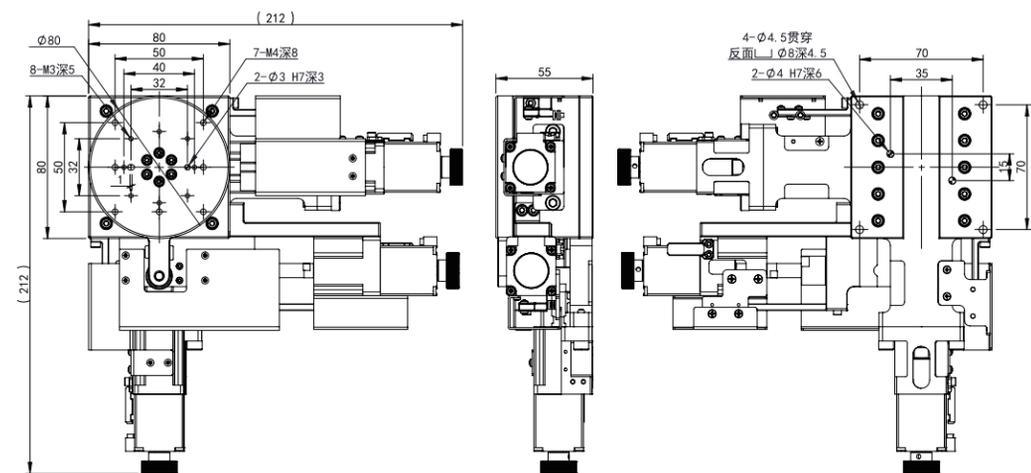
External dimensions

TXYRA120-L1-M28



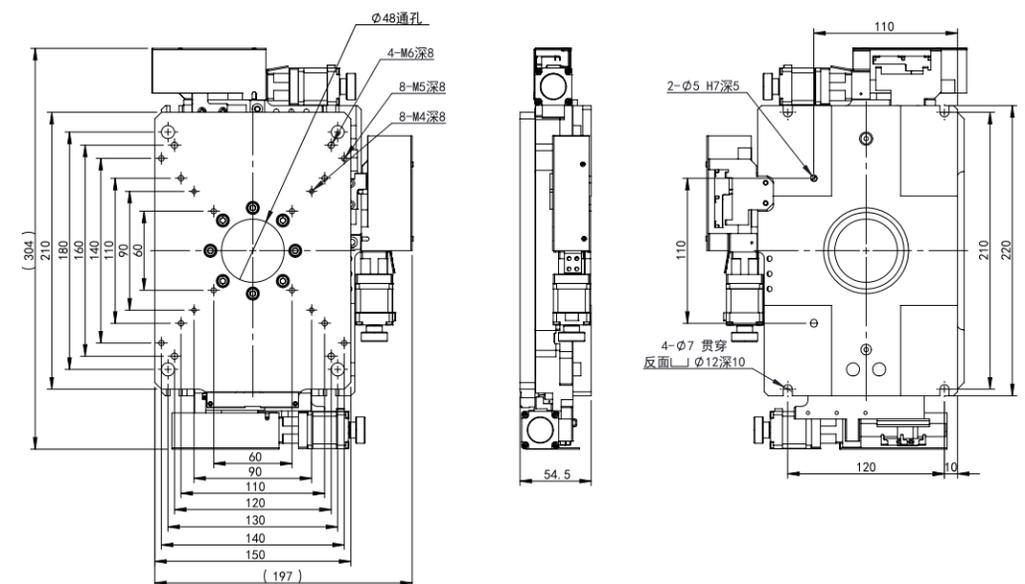
External dimensions

TXYRA80-L1-M28



External dimensions

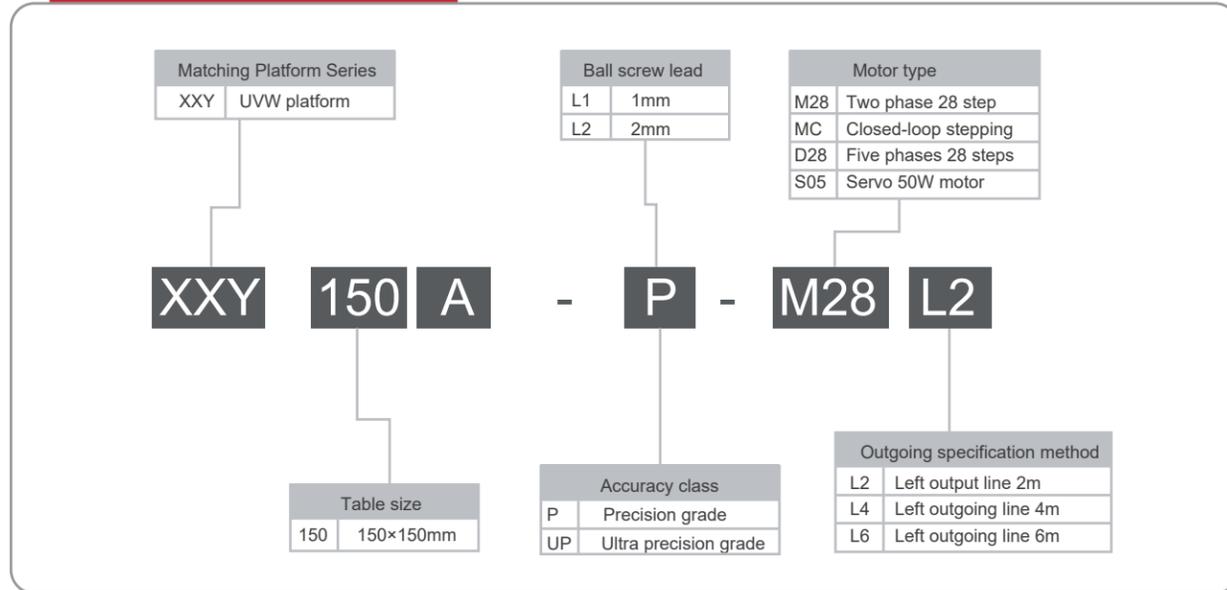
TXYRA200-L1-M28



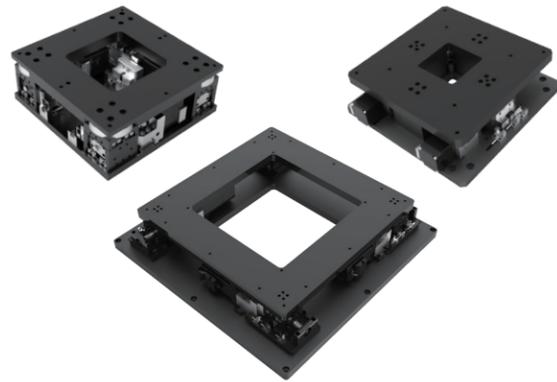
UVW alignment platform

High precision XXY platform • Cross roller sliding type • Standard type

Product Model Description



产品简介

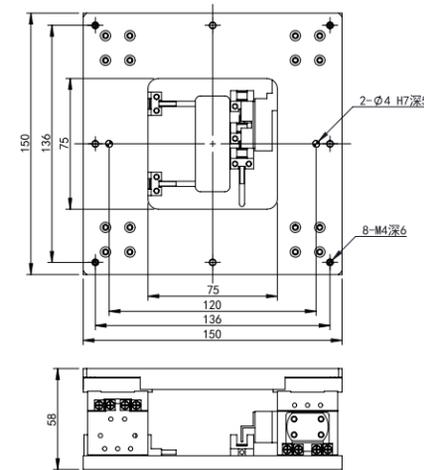
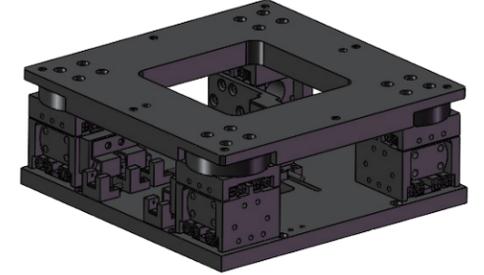


XXY alignment platform, also known as XY0 platform or UVW platform, is tailor-made for high-precision correction and alignment equipment. The platform consists of a workbench, a base, and four sets of precision modules in the middle. Each set of modules is guided by cross roller guides and cross roller bearings, and is driven by a matching motor module. It uses a micro grinding grade ball screw transmission to move in the X-plane coordinate system and rotate around the center position of the XY plane. The platform can design through holes or no through holes in the center according to actual needs, which can respectively meet the alignment requirements of transmission and reflection. The platform is a three-axis linkage alignment mechanism designed to meet the requirements of high-precision, high reuse frequency alignment, binding, and bonding of workpieces on industrial production lines.

XXY platform has precise alignment and lightweight size; Adopting modular design: compact structure, light weight, and good rigidity. Widely used in various automation equipment such as panel bonding, photovoltaics, semiconductors, new energy lithium batteries, wafer calibration cutting and stacking, software cutting and pasting, PCB exposure, circuit board screen printing, 3D curved surface bonding, etc., the repeated positioning accuracy reaches micrometer level, helping customers solve precise alignment work under various working conditions.

XXY150A-PM28

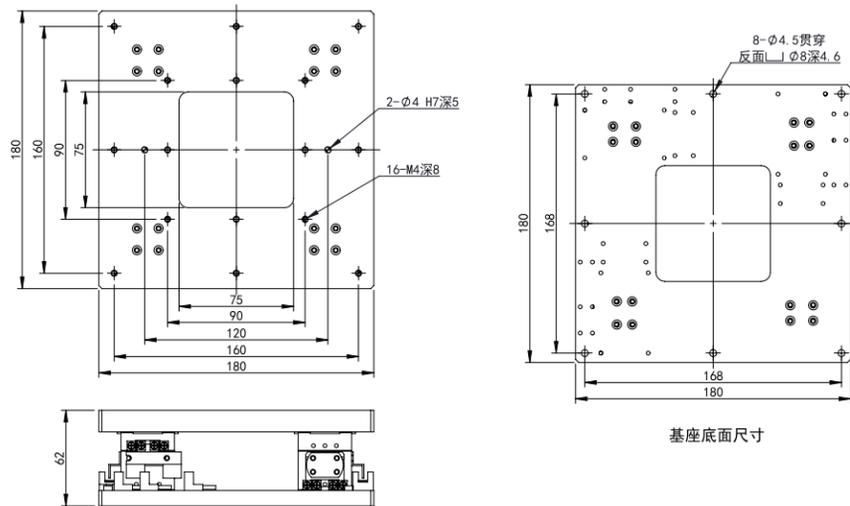
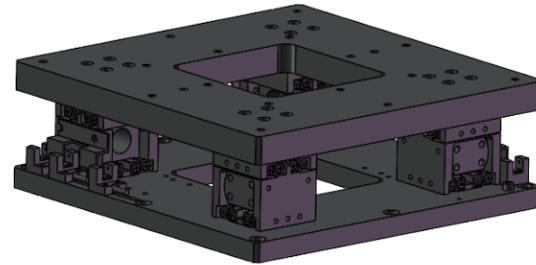
- Travel $\pm 3\text{mm} \times \pm 3\text{mm} \times \pm 2^\circ$
- Stepper 28 motor drive



| Model number | | XXY150A-PM28 | | |
|----------------------------------|--|--|--|--|
| Mechanical specification | table size | 150X150mm | | |
| | base size | 150X150mm | | |
| | height | 58mm | | |
| | shift motion | $\pm 3\text{mm} \times \pm 3\text{mm}$ | | |
| | angle | $\pm 2^\circ$ | | |
| | sliding rail | CROSS-ROLLER GUIDE | | |
| | Transmission mode | Grinding ball screw with a diameter of 8 and a lead of 1mm | | |
| | Body material and surface area | Aluminum alloy - black anodized | | |
| | Body weight | 3.0kg | | |
| | Outgoing direction | L: Standard outgoing line | | |
| Precision specification | maximum speed | 10mm/sec | | |
| | repeatability | P: $\pm 4\mu\text{m}$ | UP: $\pm 2\mu\text{m}$ | |
| | Load (horizontal installation) | 10Kgf | | |
| | parallelism | 30 μm | | |
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42/57- dual output shaft | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | |
| | | step angle | 1.8°/0.72°/0.36° | |
| | | Rated current | Two phases: 1.3 Phase A; Eastern Five Elements: 0.75 Phase A | |
| | Sensor | Limit sensor | Photoelectric sensor: two limit positions, one origin position | |
| | | INPUT VOLTAGE | DC24V $\pm 10\%$ | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | |
| | output control | When detecting (shading): Output transistor OFF (non-conductive) | | |
| | Connector specifications | 12Pin Male Female Connector HRS | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |

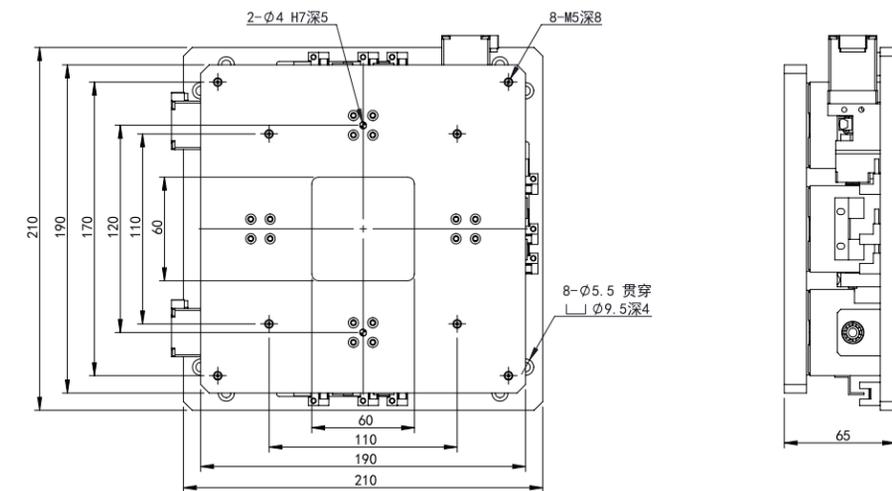
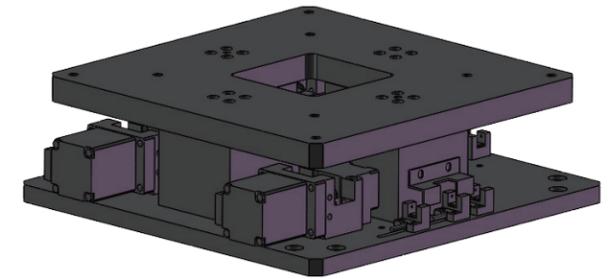
XXY180A-PM28

- Travel $\pm 4\text{mm} \times \pm 4\text{mm} \times \pm 3^\circ$
- Stepper 28 motor drive



XXY190A-PM28

- Travel $\pm 5\text{mm} \times \pm 5\text{mm} \times \pm 3^\circ$
- Stepper 28 motor drive



| Model number | | XXY180A-PM28 | |
|--------------------------|--------------------------------|--|--|
| Mechanical specification | table size | 180×180mm | |
| | base size | 180×180mm | |
| | height | 62mm | |
| | shift motion | $\pm 4\text{mm} \times \pm 4\text{mm}$ | |
| | angle | $+3^\circ$ | |
| | sliding rail | CROSS-ROLLER GUIDE | |
| | Transmission mode | Grinding ball screw with a diameter of 8 and a lead of 1mm | |
| | Body material and surface area | Aluminum alloy - black anodized | |
| | Body weight | 3.5kg | |
| Outgoing direction | L: Standard outgoing line | | |

| Precision specification | | 10mm/sec | |
|-------------------------|--------------------------------|-----------------------|------------------------|
| Precision specification | maximum speed | 10mm/sec | |
| | repeatability | P: $\pm 4\mu\text{m}$ | UP: $\pm 2\mu\text{m}$ |
| | Load (horizontal installation) | 15Kgf | 15Kgf |
| parallelism | 30 μm | | |

| Electric appliance specification | | Two phase/five phase stepper motor/28/42/57- dual output shaft | | |
|----------------------------------|--|--|--|--|
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42/57- dual output shaft | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | |
| | | step angle | 1.8°/0.72°/0.36° | |
| | | Rated current | Two phases: 1.3 Phase A; Eastern Five Elements: 0.75 Phase A | |
| | Sensor | Limit sensor | Photoelectric sensor: two limit positions, one origin position | |
| | | INPUT VOLTAGE | DC24V $\pm 10\%$ | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) | |
| | Connector specifications | 12Pin Male Female Connector HRS | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |

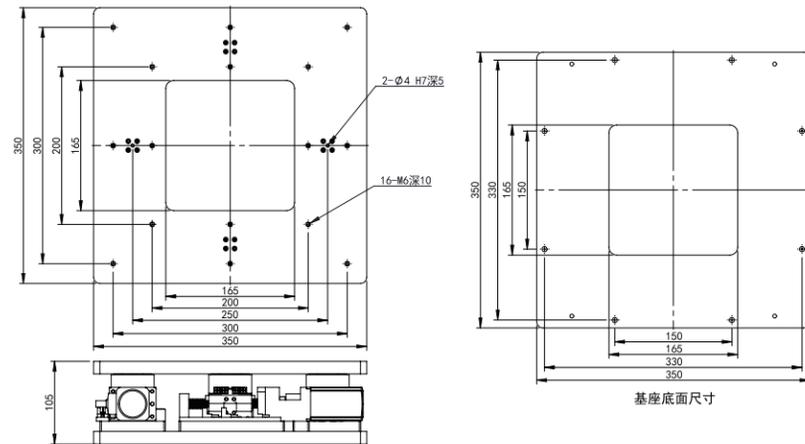
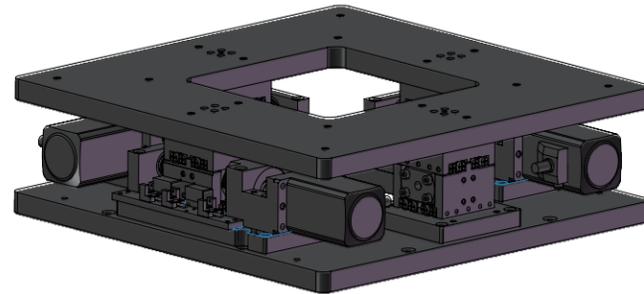
| Model number | | XXY190A-PM28 | |
|--------------------------|--------------------------------|--|--|
| Mechanical specification | table size | 190×190mm | |
| | base size | 210×210mm | |
| | height | 65mm | |
| | shift motion | $\pm 5\text{mm} \times \pm 5\text{mm}$ | |
| | angle | $+3^\circ$ | |
| | sliding rail | CROSS-ROLLER GUIDE | |
| | Transmission mode | Grinding ball screw with a diameter of 8 and a lead of 1mm | |
| | Body material and surface area | Aluminum alloy - black anodized | |
| | Body weight | 5.5kg | |
| Outgoing direction | L: Standard outgoing line | | |

| Precision specification | | 10mm/sec | |
|-------------------------|--------------------------------|-----------------------|------------------------|
| Precision specification | maximum speed | 10mm/sec | |
| | repeatability | P: $\pm 4\mu\text{m}$ | UP: $\pm 2\mu\text{m}$ |
| | Load (horizontal installation) | 15Kgf | 30Kgf |
| parallelism | 30 μm | | |

| Electric appliance specification | | Two phase/five phase stepper motor/28/42/57- dual output shaft | | |
|----------------------------------|--|--|--|--|
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42/57- dual output shaft | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | |
| | | step angle | 1.8°/0.72°/0.36° | |
| | | Rated current | Two phases: 1.3 Phase A; Eastern Five Elements: 0.75 Phase A | |
| | Sensor | Limit sensor | Photoelectric sensor: two limit positions, one origin position | |
| | | INPUT VOLTAGE | DC24V $\pm 10\%$ | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) | |
| | Connector specifications | 12Pin Male Female Connector HRS | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |

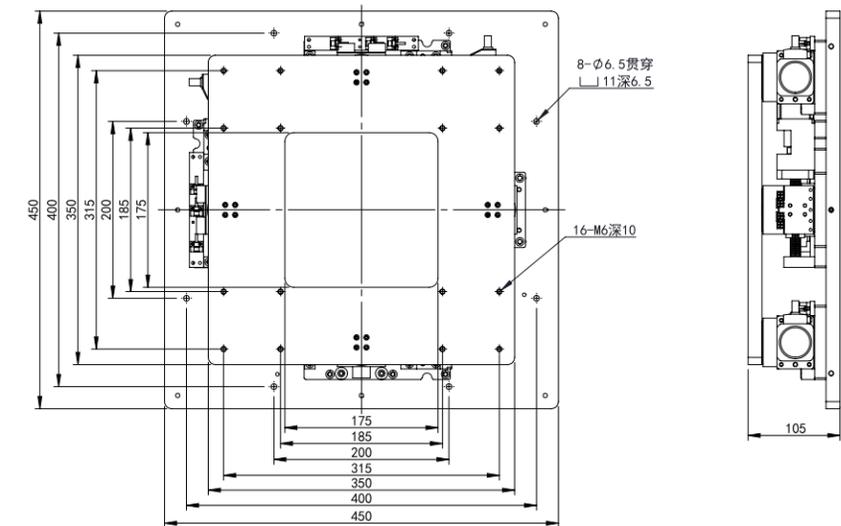
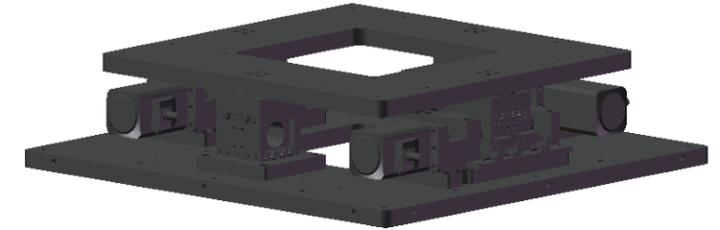
XXY350A-PM28

- Travel $\pm 5\text{mm} \times \pm 5\text{mm} \times \pm 2^\circ$
- Stepper 42 motor drive



XXY350B-PM42

- Travel $\pm 5\text{mm} \times \pm 5\text{mm} \times \pm 1.8^\circ$
- Stepper 42 motor drive



| Model number | | XXY350A-PM42 |
|--------------------------|--------------------------------|---|
| Mechanical specification | table size | 350×350mm |
| | base size | 350×350mm |
| | height | 105mm |
| | shift motion | $\pm 5\text{mm} \times \pm 5\text{mm}$ |
| | angle | $\pm 2^\circ$ |
| | sliding rail | CROSS-ROLLER GUIDE |
| | Transmission mode | Grinding ball screw with a diameter of 12 and a lead of 2mm |
| | Body material and surface area | Aluminum alloy - black anodized |
| | Body weight | 12kg |
| Outgoing direction | L: Standard outgoing line | |

| | | |
|-------------------------|--------------------------------|-----------------------|
| Precision specification | maximum speed | 20mm/sec |
| | repeatability | P: $\pm 4\mu\text{m}$ |
| | Load (horizontal installation) | 100Kgf |
| | parallelism | 50 μm |

| | | | |
|----------------------------------|--|--|--|
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42/57- dual output shaft |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) |
| | | step angle | 1.8°/0.72°/0.36° |
| | | Rated current | Two phases: 1.3 Phase A; Eastern Five Elements: 0.75 Phase A |
| | Sensor | Limit sensor | Photoelectric sensor: two limit positions, one origin position |
| | | INPUT VOLTAGE | DC24V $\pm 10\%$ |
| | | Consumption current | Below 60mA (individual sensor 20mA) |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) |
| | Connector specifications | 12Pin Male Female Connector HRS | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | |

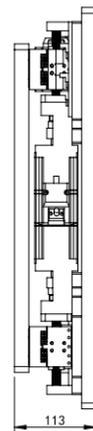
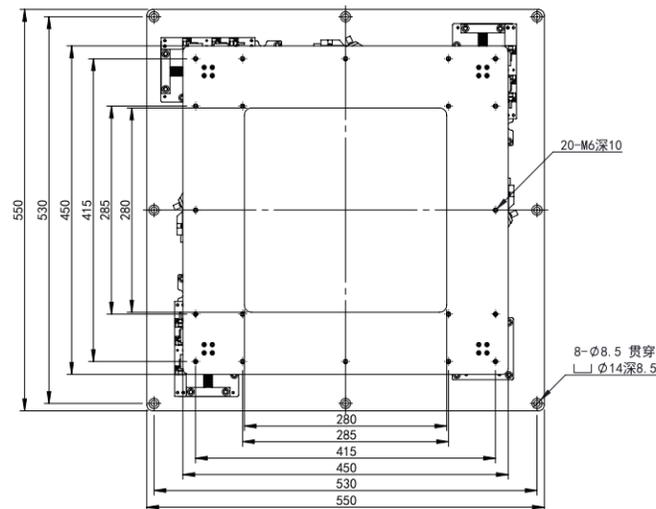
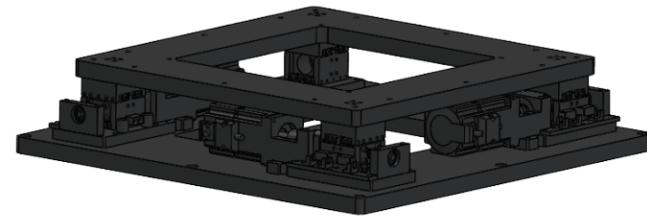
| Model number | | XXY350B-PM42 |
|--------------------------|--------------------------------|---|
| Mechanical specification | table size | 350×350mm |
| | base size | 450×450mm |
| | height | 105mm |
| | shift motion | $\pm 5\text{mm} \times \pm 5\text{mm}$ |
| | angle | $\pm 2^\circ$ |
| | sliding rail | CROSS-ROLLER GUIDE |
| | Transmission mode | Grinding ball screw with a diameter of 12 and a lead of 2mm |
| | Body material and surface area | Aluminum alloy - black anodized |
| | Body weight | 12kg |
| Outgoing direction | L: Standard outgoing line | |

| | | |
|-------------------------|--------------------------------|-----------------------|
| Precision specification | maximum speed | 20mm/sec |
| | repeatability | P: $\pm 4\mu\text{m}$ |
| | Load (horizontal installation) | 100Kgf |
| | parallelism | 50 μm |

| | | | |
|----------------------------------|--|--|--|
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42/57- dual output shaft |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) |
| | | step angle | 1.8°/0.72°/0.36° |
| | | Rated current | Two phases: 1.3 Phase A; Eastern Five Elements: 0.75 Phase A |
| | Sensor | Limit sensor | Photoelectric sensor: two limit positions, one origin position |
| | | INPUT VOLTAGE | DC24V $\pm 10\%$ |
| | | Consumption current | Below 60mA (individual sensor 20mA) |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) |
| | Connector specifications | 12Pin Male Female Connector HRS | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | |

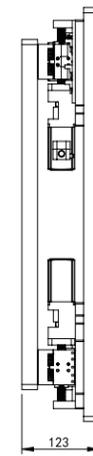
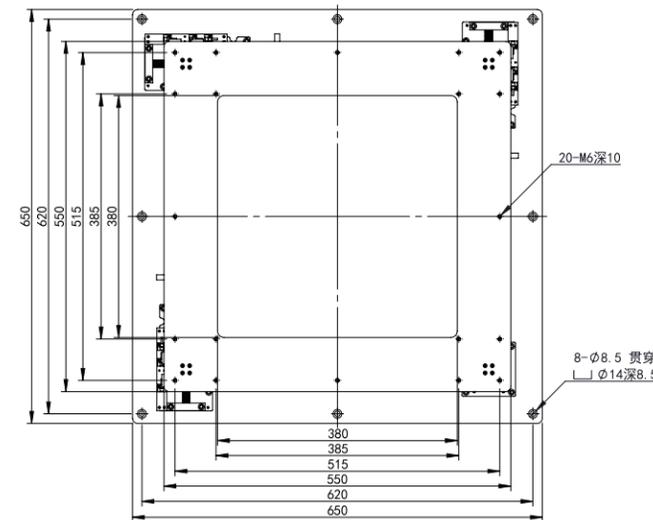
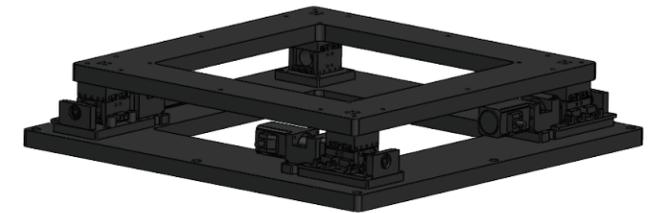
XXY450A-PM57

- Travel $\pm 5\text{mm} \times \pm 5\text{mm} \times \pm 1.5^\circ$
- Stepper 57 motor drive



XXY550A-PM57

- Travel $\pm 5\text{mm} \times \pm 5\text{mm} \times \pm 1^\circ$
- Stepper 57 motor drive



| Model number | | XXY450A-PM42 | |
|--------------------------|--------------------------------|---|--|
| Mechanical specification | table size | 450×450mm | |
| | base size | 550×550mm | |
| | height | 113mm | |
| | shift motion | $\pm 5\text{mm} \times \pm 5\text{mm}$ | |
| | angle | $\pm 1.5^\circ$ | |
| | sliding rail | CROSS-ROLLER GUIDE | |
| | Transmission mode | Grinding ball screw with a diameter of 12 and a lead of 2mm | |
| | Body material and surface area | Aluminum alloy - black anodized | |
| | Body weight | 25kg | |
| Outgoing direction | L: Standard outgoing line | | |

| | | | |
|-------------------------|--------------------------------|-----------------------|------------------------|
| Precision specification | maximum speed | 20mm/sec | |
| | repeatability | P: $\pm 4\mu\text{m}$ | UP: $\pm 2\mu\text{m}$ |
| | Load (horizontal installation) | 100Kgf | 100Kgf |
| | parallelism | 50 μm | |

| | | | | |
|----------------------------------|--|--|--|--|
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42/57- dual output shaft | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | |
| | | step angle | $1.8^\circ/0.72^\circ/0.36^\circ$ | |
| | | Rated current | Two phases: 1.3 Phase A; Eastern Five Elements: 0.75 Phase A | |
| | Sensor | Limit sensor | Photoelectric sensor: two limit positions, one origin position | |
| | | INPUT VOLTAGE | DC24V $\pm 10\%$ | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) | |
| | Connector specifications | 12Pin Male Female Connector HRS | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |

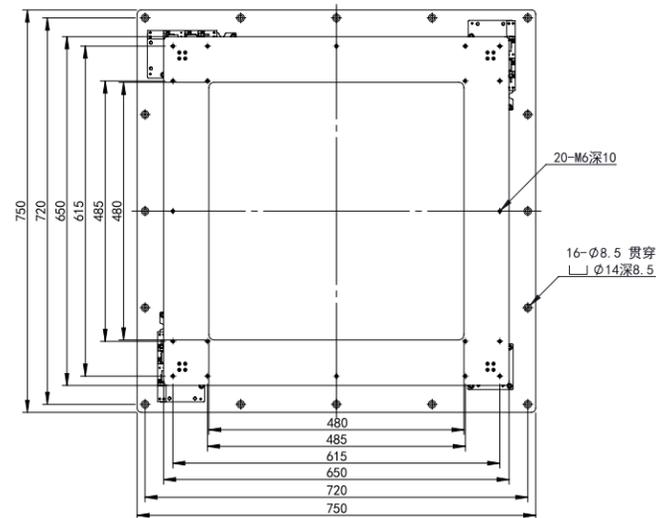
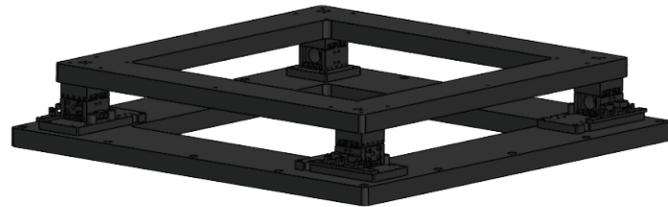
| Model number | | XXY550A-PM57 | |
|--------------------------|--------------------------------|---|--|
| Mechanical specification | table size | 550×550mm | |
| | base size | 650×650mm | |
| | height | 123mm | |
| | shift motion | $\pm 5\text{mm} \times \pm 5\text{mm}$ | |
| | angle | $\pm 1^\circ$ | |
| | sliding rail | CROSS-ROLLER GUIDE | |
| | Transmission mode | Grinding ball screw with a diameter of 12 and a lead of 2mm | |
| | Body material and surface area | Aluminum alloy - black anodized | |
| | Body weight | 27kg | |
| Outgoing direction | L: Standard outgoing line | | |

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|-------------------------|--------------------------------|-----------------------|------------------------|
| Precision specification | maximum speed | 20mm/sec | |
| | repeatability | P: $\pm 4\mu\text{m}$ | UP: $\pm 2\mu\text{m}$ |
| | Load (horizontal installation) | 100Kgf | 100Kgf |
| | parallelism | 50 μm | |

| | | | | |
|----------------------------------|--|--|--|--|
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42/57- dual output shaft | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | |
| | | step angle | $1.8^\circ/0.72^\circ/0.36^\circ$ | |
| | | Rated current | Two phases: 1.3 Phase A; Eastern Five Elements: 0.75 Phase A | |
| | Sensor | Limit sensor | Photoelectric sensor: two limit positions, one origin position | |
| | | INPUT VOLTAGE | DC24V $\pm 10\%$ | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) | |
| | Connector specifications | 12Pin Male Female Connector HRS | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |

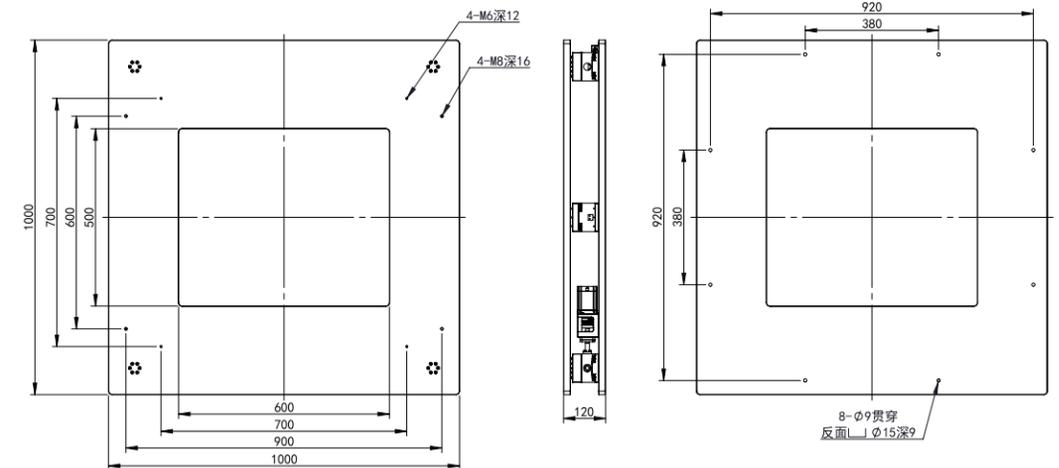
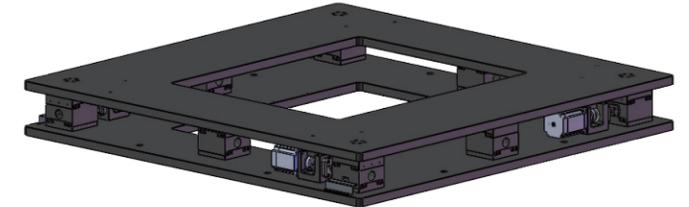
XXY650A-PM57

- Travel $\pm 5\text{mm} \times \pm 5\text{mm} \times \pm 1^\circ$
- Stepper 57 motor drive



XXY1000A-PM57

- Travel $\pm 20\text{mm} \times \pm 20\text{mm} \times \pm 2^\circ$
- Stepper 57 motor drive



| Model number | | XXY650A-PM57 | |
|--------------------------|--------------------------------|---|--|
| Mechanical specification | table size | 650×650mm | |
| | base size | 750×750mm | |
| | height | 133mm | |
| | shift motion | $\pm 5\text{mm} \times \pm 5\text{mm}$ | |
| | angle | $\pm 1^\circ$ | |
| | sliding rail | CROSS-ROLLER GUIDE | |
| | Transmission mode | Grinding ball screw with a diameter of 12 and a lead of 2mm | |
| | Body material and surface area | Aluminum alloy - black anodized | |
| | Body weight | 32kg | |
| Outgoing direction | L: Standard outgoing line | | |

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|-------------------------|--------------------------------|-----------------------|------------------------|
| Precision specification | maximum speed | 20mm/sec | |
| | repeatability | P: $\pm 4\mu\text{m}$ | UP: $\pm 2\mu\text{m}$ |
| | Load (horizontal installation) | 100Kgf | 100Kgf |
| | parallelism | 50 μm | |

| | | | | |
|----------------------------------|--|--|--|--|
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42/57- dual output shaft | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | |
| | | step angle | 1.8°/0.72°/0.36° | |
| | | Rated current | Two phases: 1.3 Phase A; Eastern Five Elements: 0.75 Phase A | |
| | Sensor | Limit sensor | Photoelectric sensor: two limit positions, one origin position | |
| | | INPUT VOLTAGE | DC24V $\pm 10\%$ | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) | |
| | Connector specifications | 12Pin Male Female Connector HRS | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |

| Model number | | XXY1000A-PM57 | |
|--------------------------|--------------------------------|---|--|
| Mechanical specification | table size | 1000×1000mm | |
| | base size | 1000×1000mm | |
| | height | 120mm | |
| | shift motion | $\pm 20\text{mm} \times \pm 20\text{mm}$ | |
| | angle | $\pm 2^\circ$ | |
| | sliding rail | CROSS-ROLLER GUIDE | |
| | Transmission mode | Grinding ball screw with a diameter of 12 and a lead of 2mm | |
| | Body material and surface area | Aluminum alloy - black anodized | |
| | Body weight | 95kg | |
| Outgoing direction | L: Standard outgoing line | | |

| | | | |
|-------------------------|--------------------------------|-----------------------|------------------------|
| Precision specification | maximum speed | 20mm/sec | |
| | repeatability | P: $\pm 5\mu\text{m}$ | UP: $\pm 3\mu\text{m}$ |
| | Load (horizontal installation) | 80Kgf | 80Kgf |
| | parallelism | 50 μm | |

| | | | | |
|----------------------------------|--|--|--|--|
| Electric appliance specification | Motor | Type/Output Shaft | Two phase/five phase stepper motor/28/42/57- dual output shaft | |
| | | Brand model | Shinano/Mingzhi/Dongfang (optional) | |
| | | step angle | 1.8°/0.72°/0.36° | |
| | | Rated current | Two phases: 1.3 Phase A; Eastern Five Elements: 0.75 Phase A | |
| | Sensor | Limit sensor | Photoelectric sensor: two limit positions, one origin position | |
| | | INPUT VOLTAGE | DC24V $\pm 10\%$ | |
| | | Consumption current | Below 60mA (individual sensor 20mA) | |
| | | output control | When detecting (shading): Output transistor OFF (non-conductive) | |
| | Connector specifications | 12Pin Male Female Connector HRS | | |
| | Extension cable specifications | 2 meters, 4 meters, 6 meters, 8 meters, 10 meters (optional) | | |
| Driver brand | Lingchen Ether CAT open-loop bus (optional open-loop one to two and closed-loop bus) | | | |