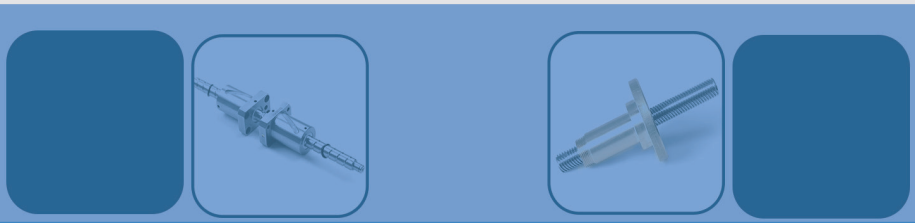
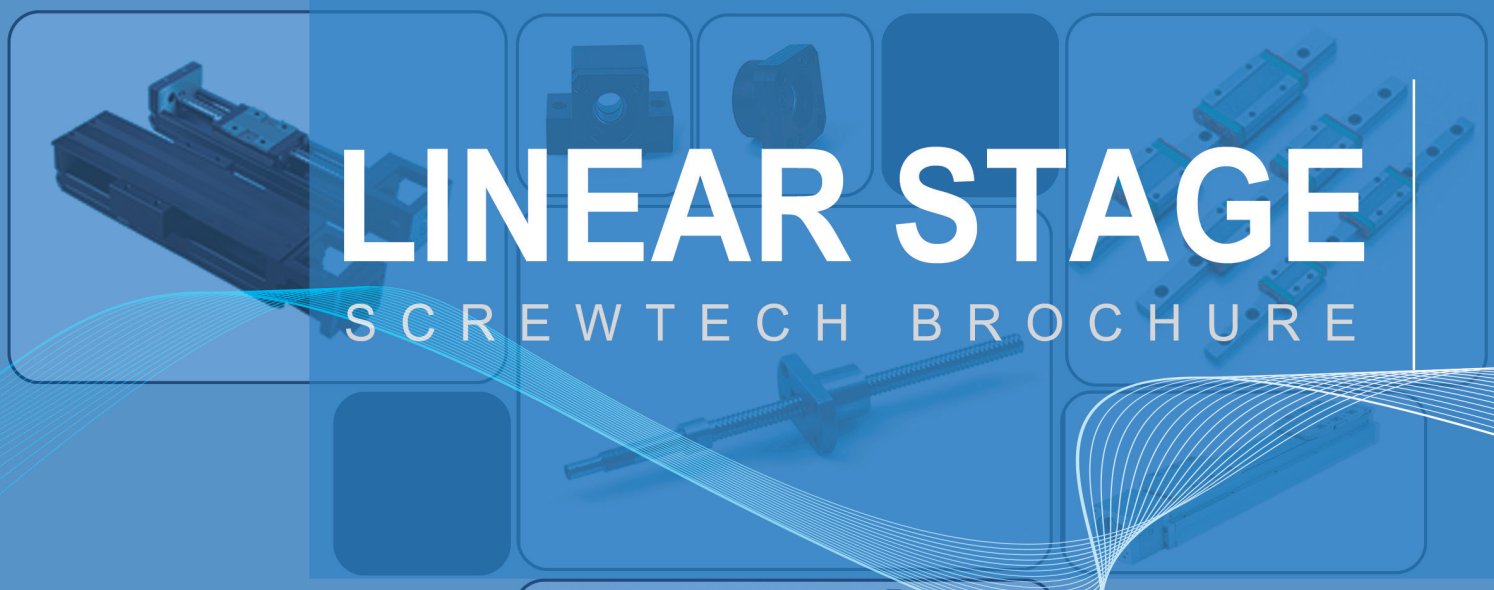
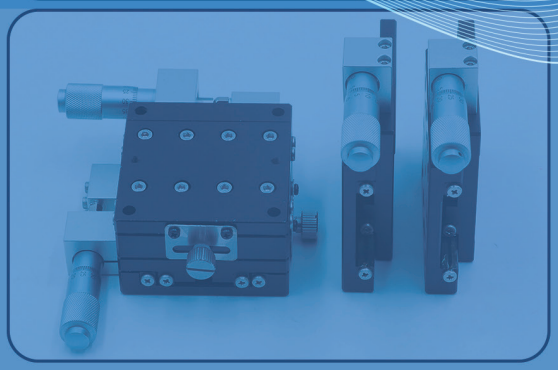
SCREWTECH®





LINEAR STAGE

SCREWTECH BROCHURE



SCREW TECHNOLOGY CO.,LIMITED

Profile of Linear Stage

Precision sliding table is mainly divided into manual sliding table and electric sliding table. It is guided by cross roller, linear ball or dovetail groove, and adopts high precision micrometer, screw or pinion rack for linear guide rail transmission.This kind of product has the advantages of manual fine tuning, high precision and flexible application.It is widely used in optical instrument and mechanical equipment production, semiconductor manufacturing inspection, optical experiment and measurement to implement manual fine tuning, precise positioning, quantitative sliding and other occasions.Precision cross sliding table purpose: mainly used in automation equipment, non-standard automation equipment, mechanical equipment fast, accurate, equipment will be used.It is used in high precision, high speed, long stroke cleaning equipment, large spraying equipment, welding equipment, etc.It can be used in factory automatic fast cutting mechanism, robot arm grasping mechanism, etc

Features of Linear Stage

Long Distance, High Accuracy, Heavy Load, High Standard, Custom Design,Muti-specification,Muti-type

Model and Series

Manual Series:

Manual-X Axis-Stage Dimension 20*20mm-Aluminum-Micrometer Head-Center Drive-Crossed Roller Guide

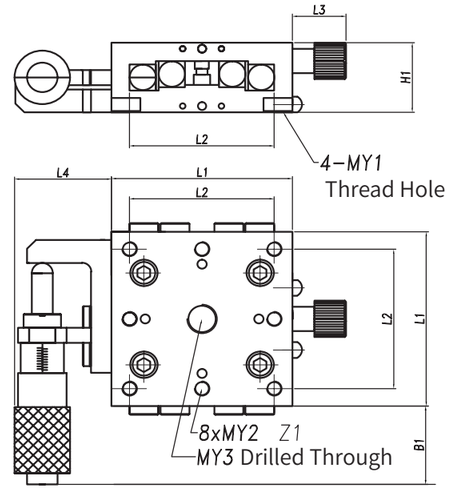
Motion Type	Axis	Table Size	Material	Specification		
				Motion Equipment	Motion Position	Slide Way
M：Manual	X：X Axis Y：XY Axis Z：Z Axis	Normal Table Size： 25/30/40/50/60 /70/80/100/120	A：Aluminum Alloy S：Stainless Steel	1：Micrometer Head 2：Coarse Micrometer 3:Feeding Screw	L：Left C：Center R：Right	1:Crossed Roller 2:Linear Ball 3.Dovetail Type

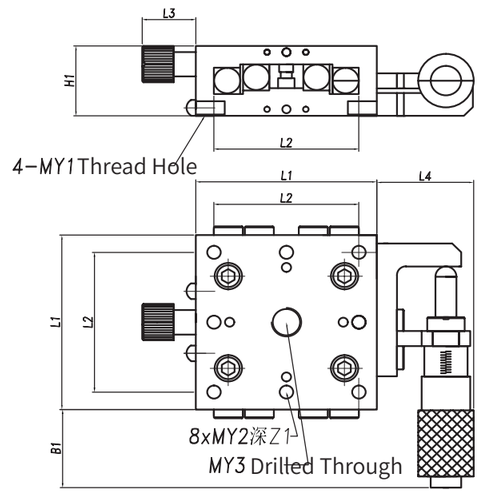
Technical Data

Description

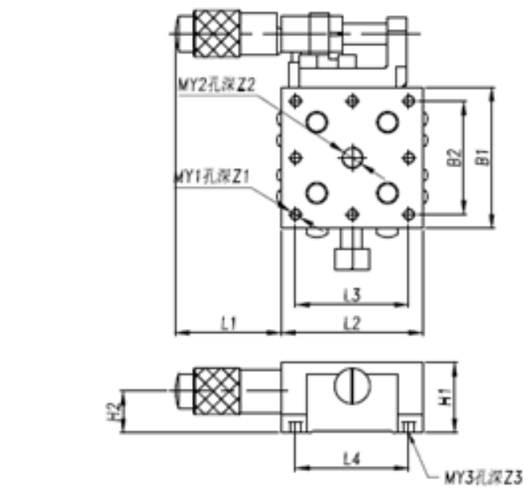
SlideWay	Structure	Feature	Application	Moving Accuracy	Load Capacity	Rigidity
CROSSED ROLLER		It is consists of two V-shaped grooves which has being processed ,hardened, and high grinded. It works with the rotating roller bearings. And moves in turn at an Angle of 90 degrees, so as to meet the requirements of high parallelism and high flatness.	It can be used in high-precision and heavy-duty precise mobile devices, precise measurement of optical experiments and precise positioning, etc.	Excellent	Good	Excellent
Linear Ball		Gothic groove is processed by high precision grinding to achieve high parallelism and high flatness.	Suitable for high precision, medium load precise positioning device, optical experiment, fine tuning, etc.	Excellent	Excellent	Excellent
Dovetail Type		Drive adjustment mode is screw mode, suitable for low frequency, small adjustment occasions.	Suitable for optical instrument devices, inspection devices, microscopes, medical instruments, etc.	Fair	Good	Good

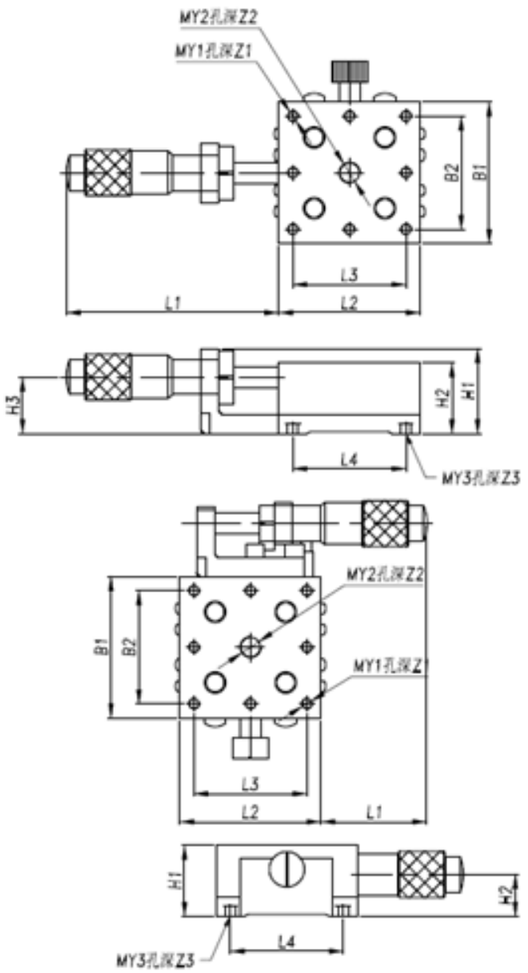
Manual Precision Sliding Table • Cross Roller Guide • X Axis





Model	Table Size	Motion direction	Motion Position	Travel Stroke	Micrometer Minimum Reading	Straightness Accuracy	Load Capacity (kgf)	Weight(kg)	Material	Surface finish
	B1	B2	L1	L2	L3	L4	H1	H2	H3	
MX40S-1L-1	40*40	X	L	±3.25	10μm	10	4	0.14	Stainless Steel	/
	26	/	40	32	12	20	16	/	/	/
MX40S-1R-1	40*40	X	R	±3.25	10μm	10	4	0.14	Stainless Steel	/
	26	/	40	32	12	20	16	/	/	/

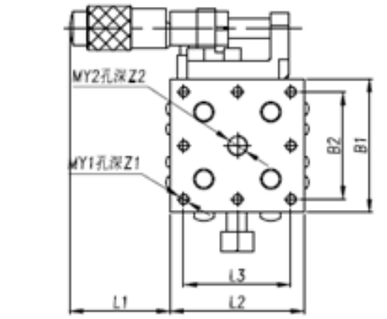


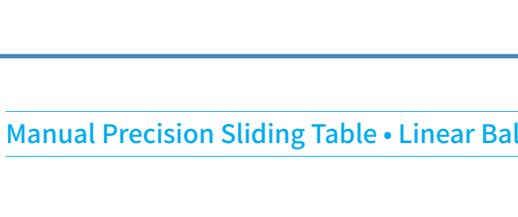


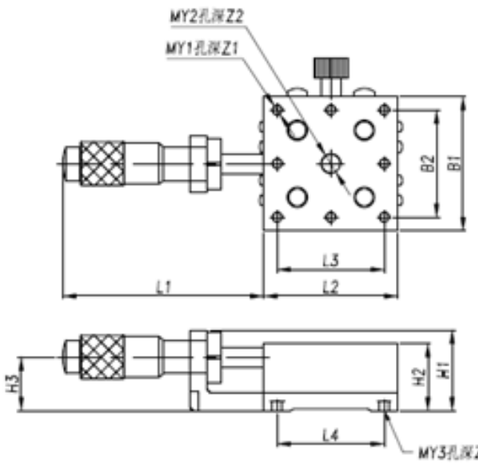
Model	Table size	Motion direction	Motion position	Stroke	Micrometer min reading	straightness accuracy	Load（kgf)	Weight	Material	Surface treatment
	B1	B2	L1	L2	L3	L4	H1	H2	H3	
MX25A-1-L1	25*25	X	L/R	±3.25	10μm/5μm	0.01	1	0.14	Aluminum Alloy	Black Anode
	25	20	14	25	20	20	12	/	/	/
MX25A-1-C1	25*25	X	C	±3.25	10μm/5μm	0.01	1	0.14	Aluminum Alloy	Black Anode
	25	20	38	25	20	20	12	/	/	/
MX32A-1-L1	32*32	X	L/R	±3.25	10μm/5μm	0.01	1.5	0.24	Aluminum Alloy	Black Anode
	32	25	14	32	25	25	12	/	/	/
MX32A-1-C1	32*32	X	C	±3.25	10μm/5μm	0.01	1.5	0.24	Aluminum Alloy	Black Anode
	32	25	38	32	25	25	12	/	/	/
MX40S-1-L1	40*40	X	L/R	±6.5	10μm/5μm	0.01	4	0.2	Stainless steel	/
	40	32	20.5	40	32	32	16	/	/	/
MX40S-1-C1	40*40	X	C	±6.5	10μm/5μm	0.01	4	0.2	Stainless steel	/
	40	32	60	40	32	32	16	/	/	/
MX40A-1-L1	40*40	X	L/R	±6.5	10μm/5μm	0.01	3	0.14	Aluminum Alloy	Black Anode
	40	32	20	40	32	32	20	/	/	/
MX40A-1-C1	40*40	X	C	±6.5	10μm/5μm	0.01	3	0.14	Aluminum Alloy	Black Anode
	40	32	60	40	32	32	20	/	/	/
MX60A-1-L1	60*60	X	L/R	±6.5	10μm/5μm	0.01	4	0.24	Aluminum Alloy	Black Anode
	60	50	30	60	50	50	20	/	/	/
MX60A-1-C1	60*60	X	C	±6.5	10μm/5μm	0.01	4	0.24	Aluminum Alloy	Black Anode
	60	50	60	60	50	50	20	/	/	/
MX80A-1-L1	80*80	X	L/R	±12.5	10μm/5μm	0.01	5	0.5	Aluminum Alloy	Black Anode
	80	70	55	80	70	70	20	/	/	/
MX80A-1-C1	80*80	X	C	±12.5	10μm/5μm	0.01	5	0.5	Aluminum Alloy	Black Anode
	80	70	100	80	70	70	20	/	/	/
MX100A-1-L1	100*100	X	L/R	±12.5	10μm/5μm	0.01	6	0.7	Aluminum Alloy	Black Anode
	100	90	46	100	90	90	20	/	/	/
MX100A-1-C1	100*100	X	C	±12.5	10μm/5μm	0.01	6	0.7	Aluminum Alloy	Black Anode
	100	90	98	100	90	90	20	/	/	/

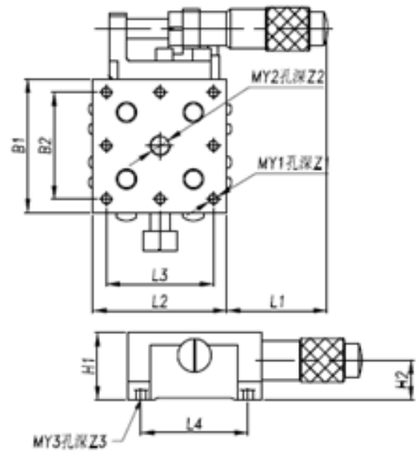
Model	Table size	Motion direction	Motion position	Stroke	Micrometer min reading	straightness accuracy	Load（kgf)	Weight	Material	Surface treatment
	B1	B2	L1	L2	L3	L4	H1	H2	H3	
MX125A-1-L1	125*125	X	L/R	±12.5	10μm/5μm	0.01	7	1.2	Aluminum alloy	Black Anode
	125	115	42	125	115	115	20	/	/	/
MX125A-1-C1	125*125	X	C	±12.5	10μm/5μm	0.01	7	1.2	Aluminum alloy	Black Anode
	125	115	100	125	115	115	20	/	/	/
MX40A-1-L1-Z	40*40	X	L/R	±6.5	10μm/5μm	0.01	1.5	0.14	Aluminum alloy	Black Anode
	40	32	30	40	32	32	20	/	/	/
MX40A-1-C1-Z	40*40	X	C	±6.5	10μm/5μm	0.01	1.5	0.14	Aluminum alloy	Black Anode
	40	32	60	40	32	32	20	/	/	/
MX60A-1-L1-Z	60*60	X	L/R	±6.5	10μm/5μm	0.01	2	0.24	Aluminum alloy	Black Anode
	60	50	30	60	50	50	20	/	/	/
MX60A-1-C1-Z	60*60	X	C	±6.5	10μm/5μm	0.01	2	0.24	Aluminum alloy	Black Anode
	60	50	60	60	50	50	20	/	/	/
MX80A-1-L1-Z	80*80	X	L/R	±12.5	10μm/5μm	0.01	5	0.5	Aluminum alloy	Black Anode
	80	70	55	80	70	70	20	/	/	/
MX80A-1-C1-Z	80*80	X	C	±12.5	10μm/5μm	0.01	5	0.5	Aluminum alloy	Black Anode
	80	70	100	80	70	70	20	/	/	/
MX100A-1-L1-Z	100*100	X	L/R	±12.5	10μm/5μm	0.01	6	0.7	Aluminum alloy	Black Anode
	100	90	46	100	90	90	20	/	/	/
MX100A-1-C1-Z	100*100	X	C	±12.5	10μm/5μm	0.01	6	0.7	Aluminum alloy	Black Anode
	100	90	98	100	90	90	20	/	/	/
MX125A-1-L1-Z	125*125	X	L/R	±12.5	10μm/5μm	0.01	7	1.2	Aluminum alloy	Black Anode
	125	115	42	125	115	115	20	/	/	/
MX125A-1-C1-Z	125*125	X	C	±12.5	10μm/5μm	0.01	7	1.2	Aluminum alloy	Black Anode
	125	115	100	125	115	115	20	/	/	/

Manual Precision Sliding Table • Linear Ball Guideway • X Axis





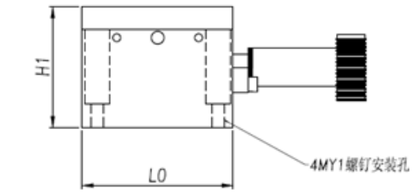


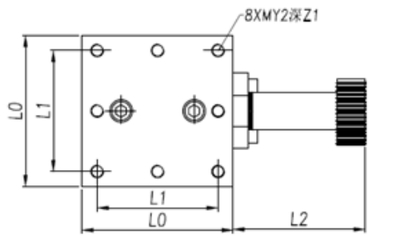


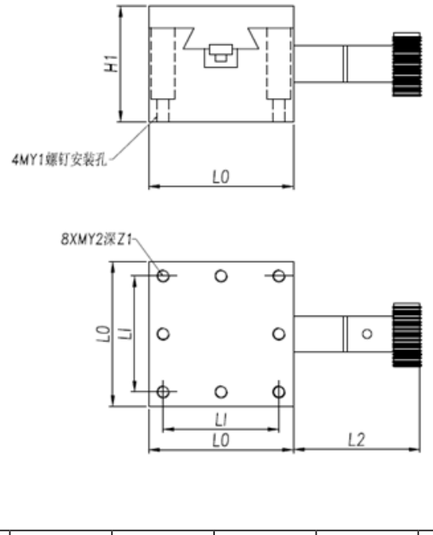
Model	Table size	Motion direction	Motion position	Stroke	Micrometer min reading	straightness accuracy	Load（kgf)	Weight	Material	Surface treatment
	B1	B2	L1	L2	L3	L4	H1	H2	H3	
MX25A-1-L2	25*25	X	L/R	±3.25	10μm/5μm	0.01	1	0.14	Aluminum alloy	Black Anode
	25	20	14	25	20	20	12	/	/	/
MX25A-1-C2	25*25	X	C	±3.25	10μm/5μm	0.01	1	0.14	Aluminum alloy	Black Anode
	25	20	38	25	20	20	12	/	/	/
MX32A-1-L2	32*32	X	L/R	±3.25	10μm/5μm	0.01	1.5	0.24	Aluminum alloy	Black Anode
	32	25	14	32	25	25	12	/	/	/
MX32A-1-C2	32*32	X	C	±3.25	10μm/5μm	0.01	1.5	0.24	Aluminum alloy	Black Anode
	32	25	38	32	25	25	12	/	/	/
MX40S-1-L2	40*40	X	L/R	±6.5	10μm/5μm	0.01	4	0.2	不锈钢	/
	40	32	20.5	40	32	32	16	/	/	/
MX40S-1-C2	40*40	X	C	±6.5	10μm/5μm	0.01	4	0.2	不锈钢	/
	40	32	60	40	32	32	16	/	/	/
MX40A-1-L2	40*40	X	L/R	±6.5	10μm/5μm	0.01	3	0.14	Aluminum alloy	Black Anode
	40	32	20	40	32	32	20	/	/	/
MX40A-1-C2	40*40	X	C	±6.5	10μm/5μm	0.01	3	0.14	Aluminum alloy	Black Anode
	40	32	60	40	32	32	20	/	/	/
MX60A-1-L2	60*60	X	L/R	±6.5	10μm/5μm	0.01	4	0.24	Aluminum alloy	Black Anode
	60	50	30	60	50	50	20	/	/	/
MX60A-1-C2	60*60	X	C	±6.5	10μm/5μm	0.01	4	0.24	Aluminum alloy	Black Anode
	60	50	60	60	50	50	20	/	/	/
MX80A-1-L2	80*80	X	L/R	±12.5	10μm/5μm	0.01	5	0.5	Aluminum alloy	Black Anode
	80	70	55	80	70	70	20	/	/	/
MX80A-1-C2	80*80	X	C	±12.5	10μm/5μm	0.01	5	0.5	Aluminum alloy	Black Anode
	80	70	100	80	70	70	20	/	/	/
MX100A-1-L2	100*100	X	L/R	±12.5	10μm/5μm	0.01	6	0.7	Aluminum alloy	Black Anode
	100	90	46	100	90	90	20	/	/	/
MX100A-1-C2	100*100	X	C	±12.5	10μm/5μm	0.01	6	0.7	Aluminum alloy	Black Anode
	100	90	98	100	90	90	20	/	/	/

Model	Table size	Motion direction	Motion position	Stroke	Micrometer min reading	straightness accuracy	Load（kgf)	Weight	Material	Surface treatment
	B1	B2	L1	L2	L3	L4	H1	H2	H3	
MX125A-1-L2	125*125	X	L/R	±12.5	10μm/5μm	0.01	7	1.2	Aluminum alloy	Black Anode
	125	115	42	125	115	115	20	/	/	/
MX125A-1-C2	125*125	X	C	±12.5	10μm/5μm	0.01	7	1.2	Aluminum alloy	Black Anode
	125	115	100	125	115	115	20	/	/	/
MX40A-1-L2-Z	40*40	X	L/R	±6.5	10μm/5μm	0.01	1.5	0.14	Aluminum alloy	Black Anode
	40	32	30	40	32	32	20	/	/	/
MX40A-1-C2-Z	40*40	X	C	±6.5	10μm/5μm	0.01	1.5	0.14	Aluminum alloy	Black Anode
	40	32	60	40	32	32	20	/	/	/
MX60A-1-L2-Z	60*60	X	L/R	±6.5	10μm/5μm	0.01	2	0.24	Aluminum alloy	Black Anode
	60	50	30	60	50	50	20	/	/	/
MX60A-1-L2-Z	60*60	X	C	±6.5	10μm/5μm	0.01	2	0.24	Aluminum alloy	Black Anode
	60	50	60	60	50	50	20	/	/	/
MX80A-1-L2-Z	80*80	X	L/R	±12.5	10μm/5μm	0.01	5	0.5	Aluminum alloy	Black Anode
	80	70	55	80	70	70	20	/	/	/
MX80A-1-C2-Z	80*80	X	C	±12.5	10μm/5μm	0.01	5	0.5	Aluminum alloy	Black Anode
	80	70	100	80	70	70	20	/	/	/
MX100A-1-L2-Z	100*100	X	L/R	±12.5	10μm/5μm	0.01	6	0.7	Aluminum alloy	Black Anode
	100	90	46	100	90	90	20	/	/	/
MX100A-1-C2-Z	100*100	X	C	±12.5	10μm/5μm	0.01	6	0.7	Aluminum alloy	Black Anode
	100	90	98	100	90	90	20	/	/	/
MX125A-1-L2-Z	125*125	X	L/R	±12.5	10μm/5μm	0.01	7	1.2	Aluminum alloy	Black Anode
	125	115	42	125	115	115	20	/	/	/
MX125A-1-C2-Z	125*125	X	C	±12.5	10μm/5μm	0.01	7	1.2	Aluminum alloy	Black Anode
	125	115	100	125	115	115	20	/	/	/

Manual Precision Sliding Table • Dovetail Groove Guideway • X Axis

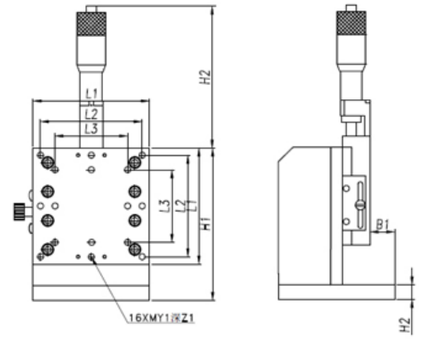


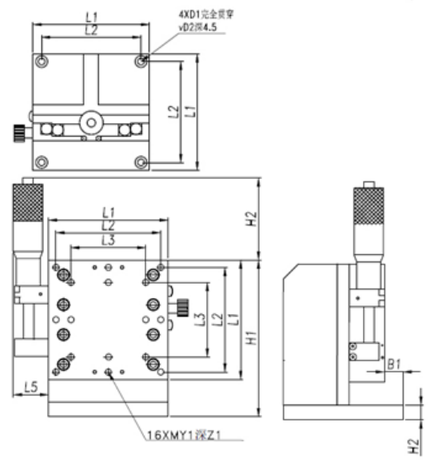


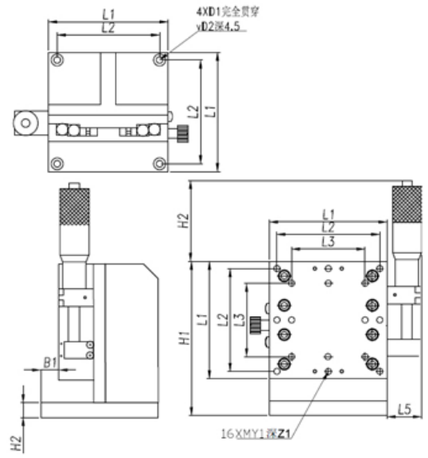


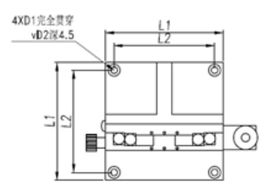
Model	Table size	Motion direction	Motion position	Stroke	Micrometer min reading	Straightness accuracy	Load（kgf)	Weight (kg)	Material	Surface treatment
	L0	L1	L2	L3	L4	L5	L6	H1	Lx	Ly
MX40A-3-C3	40*40	X	C	±10	/	0.01	3	0.3	Aluminum alloy	Black Anode
	40	32	35	/	/	/	/	30	/	/
MX80A-3-C3	40*80	X	C	±12.5	/	0.01	4	0.24	Aluminum alloy	Black Anode
	80	64	35	/	/	/	/	30	/	/

Manual Precision Sliding Table • Cross Roller Guideway • Z Axis







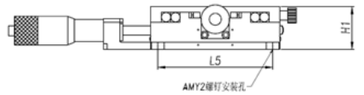


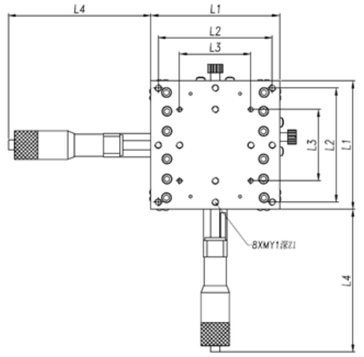
Model	Table size	Motion direction	Motion position	Stroke	Micrometer min reading	Straightness accuracy	Load (kgf)	Weight (kg)	Material	Surface treatment
	L1	L2	L3	L4	L5	L6	L7	L9	H1	H2
MZ40A-1-L1	40*40	Z	L/R	±6.5	10μm/5μm	0.01	2	0.14	Aluminum alloy	Black Anode
	40	32	/	/	/	/	/	/	58	30
MZ40A-1-C1	40*40	Z	C	±6.5	10μm/5μm	0.01	2	0.14	Aluminum alloy	Black Anode
	40	32	/	/	/	/	/	/	58	60
MZ60A-1-L1	60*60	Z	L/R	±6.5	10μm/5μm	0.01	2	0.14	Aluminum alloy	Black Anode
	60	50	32	/	/	/	/	/	80	10
MZ60A-1-C1	60*60	Z	C	±6.5	10μm/5μm	0.01	2	0.14	Aluminum alloy	Black Anode
	60	50	32	/	/	/	/	/	80	60
MZ80A-1-L1	80*80	Z	L/R	±12.5	10μm/5μm	0.01	2.5	0.14	Aluminum alloy	Black Anode
	80	70	50	/	/	/	/	/	98	10
MZ80A-1-C1	80*80	Z	C	±12.5	10μm/5μm	0.01	2.5	0.14	Aluminum alloy	Black Anode
	80	70	50	/	/	/	/	/	98	10
MX80A-1-L2-Z	80*80	X	L/R	±12.5	10μm/5μm	0.01	5	0.5	Aluminum alloy	Black Anode
	80	70	55	80	70	70	20	/	/	/

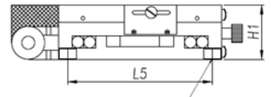
Gear & Rack

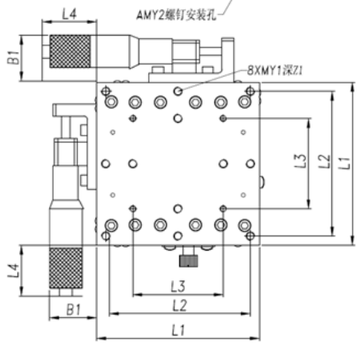
Model	Table size	Motion direction	Motion position	Stroke	Micrometer min reading	Straightness accuracy	Load (kgf)	Weight (kg)	Material	Surface treatment
	L1	L2	L3	L4	L5	L6	L7	L9	H1	H2
R20-125J	125*125	Z	C	10	10μm/5μm	0.01	7	1.2	Aluminum alloy	Black Anode
R20-401J	40*40	Z	single rail	10	10μm/5μm	0.01	2	0.14	Aluminum alloy	Black Anode
R20-601J	60*60	Z	single rail	10	10μm/5μm	0.01	3	0.3	Aluminum alloy	Black Anode
R20-602J	60*60	Z	C	10	10μm/5μm	0.01	4	0.3	Aluminum alloy	Black Anode
R20-802J	80*80	Z	C	10	10μm/5μm	0.01	5	0.5	Aluminum alloy	Black Anode
R20-902J	90*90	Z	C	10	10μm/5μm	0.01	6	0.7	Aluminum alloy	Black Anode

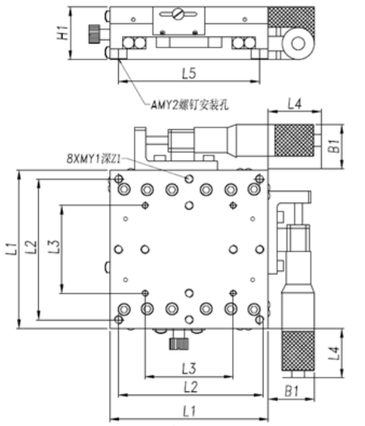
Manual Precision Sliding Table • Cross Roller Guideway • XY Axis





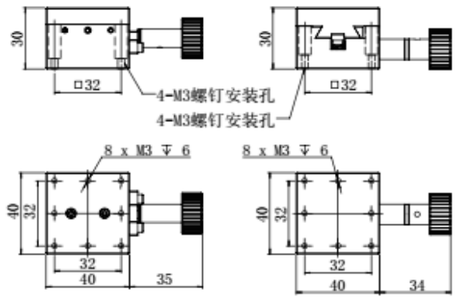






Model	Table size	Motion direction	Motion position	Stroke	Micrometer min reading	Straightness accuracy	Load（kgf）	Weight (kg)	Material	Surface treatment
	L1	L2	L3	L4	L5	B1	B2	H1	H2	H3
MXY40A-1-L1	40*40	XY	L/R	±6.5	10μm/5μm	0.01	2	0.28	Aluminum alloy	Black Anode
	40	32	/	31	32	21	/	30	/	/
MXY40A-1-C1	40*40	XY	C	±6.5	10μm/5μm	0.01	2	0.28	Aluminum alloy	Black Anode
	40	32	/	60	32	21	/	30	/	/
MXY60A-1-L1	60*60	XY	L/R	±6.5	10μm/5μm	0.01	5	0.30	Aluminum alloy	Black Anode
	60	50	32	30	50	20	/	30	/	/
MXY60A-1-C1	60*60	XY	C	±6.5	10μm/5μm	0.01	5	0.30	Aluminum alloy	Black Anode
	60	50	32	60	50	20	/	30	/	/
MXY80A-1-L1	80*80	XY	L/R	±12.5	10μm/5μm	0.01	6	0.32	Aluminum alloy	Black Anode
	80	70	50	34	70	26	/	30	/	/
MXY80A-1-C1	80*80	XY	C	±12.5	10μm/5μm	0.01	6	0.32	Aluminum alloy	Black Anode
	80	70	50	100	70	26	/	30	/	/
MXY90A-1-L1	90*90	XY	L/R	±12.5	10μm/5μm	0.01	7	0.33	Aluminum alloy	Black Anode
	90	80	50	30	80	26	/	30	/	/
MXY90A-1-C1	90*90	XY	C	±12.5	10μm/5μm	0.01	7	0.33	Aluminum alloy	Black Anode
	90	80	50	100	80	26	/	30	/	/
MXY100-1-L1	100*100	XY	L/R	±12.5	10μm/5μm	0.01	8	0.35	Aluminum alloy	Black Anode
	100	90	60	46	90	26	/	40	/	/
MXY100-1-L1	100*100	XY	C	±12.5	10μm/5μm	0.01	8		Aluminum alloy	Black Anode
	100	90	60	98	90	26	/	40	/	/
MXY125-1-L1	125*125	XY	L/R	±12.5	10μm/5μm	0.01	10		Aluminum alloy	Black Anode
	125	115	70	42	115	26	/	40	/	/
MXY125-1-C1	125*125	XY	L/C/R	±12.5	10μm/5μm	0.01	10		Aluminum alloy	Black Anode
	125	115	70	100	115	26	/	40	/	/

2D XY Axis • Dovetail Groove Guideway



Model	Table size	Motion direction	Motion position	Stroke	Micrometer min reading	Straightness accuracy	Load（kgf）	Weight (kg)	Material	Surface treatment
	L0	L1	L2	L3	L4	L5	L6	L7	Lx	Ly
Y20-40C	40*40	XY screw and nut	C	±10	1	0.01	3	0.3	Aluminum alloy	Black Anode
Y20-40S	40*40	XY Rack and pinion	C	±10	1	0.01	3	0.3	Aluminum alloy	Black Anode
Y25-42S	25*42	XY Rack and pinion	C	±12.5	1		2	0.25	Aluminum alloy	Black Anode
Y25-48C	40*80	XY screw and nut	C	30	1	0.01	4	0.24	Aluminum alloy	Black Anode
Y25-48S	40*80	XY Rack and pinion	C	30	1	0.01	4	0.24	Aluminum alloy	Black Anode
Y40-60S	60*60	Rack and pinion	C	±20	1	0.01	4	0.24	Aluminum alloy	Black Anode

Motorized Sliding Stage

Motorized sliding stages are also called linear modules, uniaxial drivers, uniaxial robots, etc.It is mainly composed of motor, ball screw, base, platform, guide rail, inductor, coupling and other components.Through different combinations can achieve multi-axis combination, cartesian coordinate manipulator, XYZ multi-axis mechanical arm and other applications. The motorized sliding stage is generally driven by ball screw and takes precise linear guide rail as the guide mechanism. It is widely used in the field of automation and can realize accurate positioning in different applications.

Motorized Sliding Stage Characteristics

Precision: different requirements , so there is no specific specification for it. It can be divided in to three classification, large machine tools, small and medium-sized machine tools .The general precision of large machine tools is about 1 meter and 1 silk .The precision of small and medium-sized machine tools is generally higher than 0.1mm.

Speed: the speed is generally less than the theoretical value, because its speed is mainly affected by the load of the motorized sliding table. At the same time, if only focus on the speed in the production process, the accuracy will be affected and decline.

Load: The load is one of the main factors that affect the precision and speed of the motorized sliding table.

Travel Stroke: Effective stroke is the one that how long the slider can slide on the motorized sliding table. The longer the electric slide, the greater the negative impact of the load.

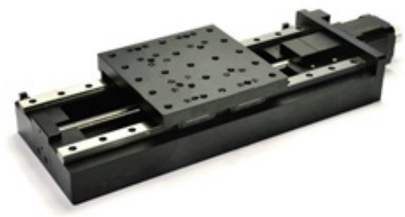
Model and Series

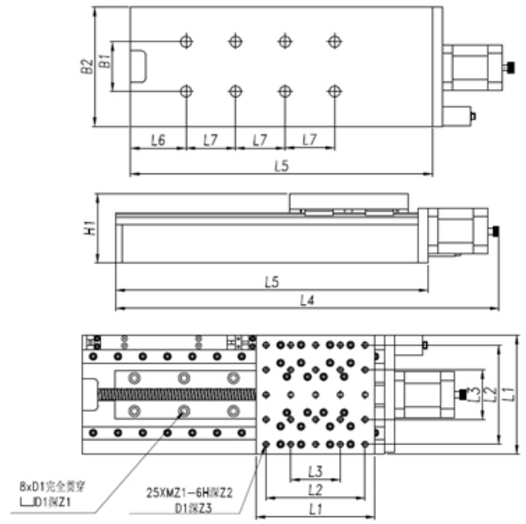
Eg:

EX30A1-1-1：Electric -X Axis - Stroke ±15mm- Aluminium alloy - 2 Phase stepping motor - Ball screw - Cross ball guide

Motion Type	Axis	Stroke	Material	Specification		
				Motor Type	Drive Type	Slide Way
E：Motorized	X：X Axis Y：XY Double Axis Z：Z Axis	s	A：Aluminum alloy S：Stainless Steel	1:2 Phase Stepper 2:5 Phase Stepper	1：Ball Screw 2：Lead Screw	1:Crossed Roller 2:Linear Ball 3:Dovetail Type

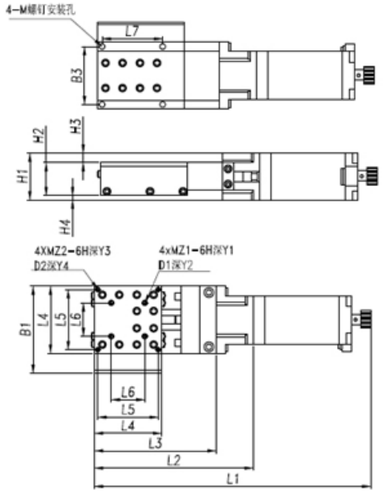
Electric Precision Sliding Table • Linear Guideway • X Axis



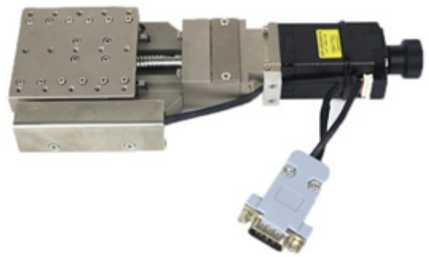


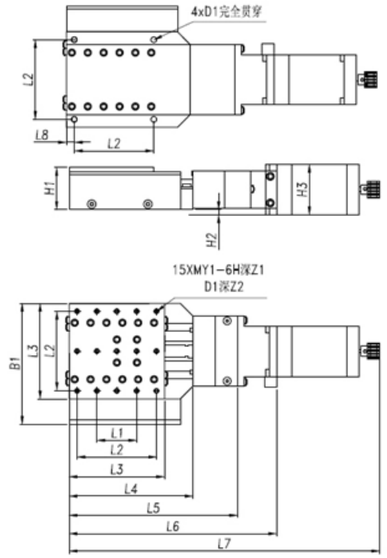
Model			EX50A-1-1-2	EX100A-1-1-2	EX150A-1-1-2
Mechanicial Specifications	Table Size		120*120		
	Travel Stroke		50	100	150
	Drive Type		Precision Ball Screw ø12，Lead2mm		
	Rail		Linear guideway		
	Stage Material/Surface Treatment		Aluminum alloy/Linear guideway		
	Weight		3.3	3.5	5.2
	Coupling		Including		
	Accuracy		Precision		
	Size Range:mm		L1:120,L2:100,L3:50, L4:265,L5:205,L6:56, L7:50,B1:50,B2:120, H1:55	L1:120,L2:100,L3:50, L4:315,L5:255,L6:56, L7:50,B1:50,B2:120, H1:55	L1:120,L2:100,L3:50, L4:365,L5:305,L6:56, L7:50,B1:50,B2:120, H1:55
Precision Specifications	Resolution （Full/Half)		10μm		
	Max Speed(Full step) Unidirectional		18mm/s		
	Positioning Precision		10μm		
	Repeated positioning accuracy		5μm		
	Load Capacity kgf		18	20	30
	Parallelism		15μm	20μm	30μm
	Dynamic Straightness		10μm	15μm	25μm
	Dynamic Parallelism		10μm	10μm	15μm
Electrical Specifications	Motor	Model	42BYG		
		Voltage	DC24V		
		Stepping Angle	1.8 °		
	Sensor	Origin Sensor	Including		
		Limit Sensor	Including		
		Working Voltage	DC 5-24V		
		Working current	⩽ 50mA		
	Connector	Model	RS232 serial port 9-pin male end connector		

Electric Precision Sliding Table • Cross Ball Guideway • X Axis

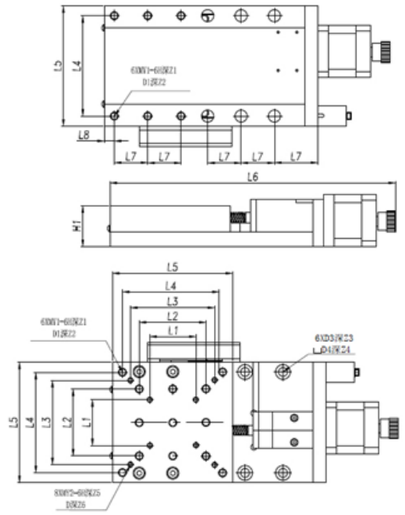


Model			EX10A-1-2-3	EX15A-1-2-3	EX15A-1-1-2	EX15A-1-1-1
Mechanical Specifications	Table size		40*30*20	40*40*20	40*40*22	40*40*22
	Travel Stroke		±5	±7.5	±7.5	±7.5
	Drive Type		Thread screw	Thread screw	Domestic Ball Screw	Imported Ball Screw
	Ball screw specification		Ø6 Lead 1	Ø6 Lead 1	Ø8 Lead 1	Ø6 Lead 1
	Rail		Crossed Roller Guideway			
	Stage Material/Surface Treatment		Carbon Steel-Electroless Nicke Plating			
	Weight kg		1.1	1.2	1.2	0.7
	Coupling		Including			
	Accuracy		Precision			
	Size mm		L1:98.5,L2:100,L3:50, L4:40,L5:32 , L7:25,B1:54,B3:32 H1:20	L1:164.5,L2:94.5,L3:72.5, L4:40,L5:36,L6:20, L7:36,B1:52,H1:28	L1:168.3,L2:98.5,L3:80, L4:40,L5:36,L6:20, L7:36,B1:52,B2:120, H1:28	L1:164.5,L2:94.5,L3:76, L4:40,L5:36,L6:20, L7:36,B1:502,B3:36, H1:28
Precision Specifications	Resolution（Full/Half)		5μ	5μ	10μ	5μ
	Max Speed(Full step) Unidirectional		7.5mm/s	7.5mm/s	20mm/s	10mm/s
	Positioning Precision		10μm			
	Repeated positioning accuracy		±5μm			
	Load kg		2.5	3	4	4
	Parallelism		⩽ 0.02mm			
	Dynamic Straightness		⩽ 0.015mm			
	Dynamic Parallelism		<0.02mm			
Electrical Specifications	Motor	Model	28BYG 1.8,DC24V			
		Voltage	DC24V			
		Stepping Angle	1.8°			
	Sensor	Origin Sensor	Including			
		Limit Sensor	Including			
		Voltage	DC24V			
		Working current	<50mA			
	Connector	Type	RS232 serial port 9-pin male end connector			



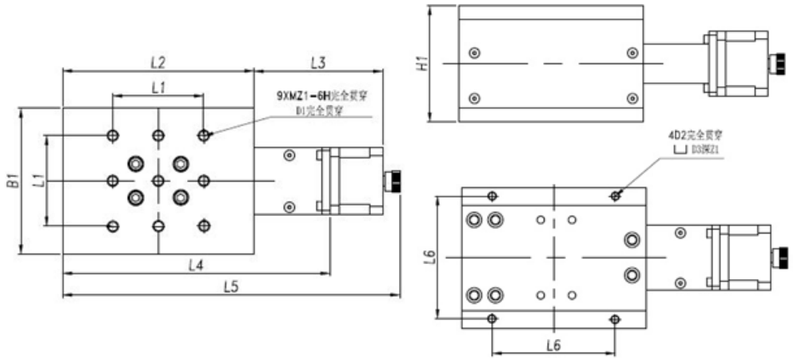


Model			EX30A-1-2-1	EX30A-1-1-2	EX30A-1G-1	EX30A-1J1
Mechanical Specifications	Table size		60*60*20	60*60*22	60*60*22	60*60*30
	Travel Stroke		±15			
	Drive Type		Grinding thread screw	Domestic Ball screw	Domestic Ball screw	Imported Ball screw
	Ball screw specification		Ø8 Lead 1	Ø6 Lead 1	Ø6 Lead 1	Ø6 Lead 1
	Rail		Crossed roller guide			
	Stage Material/Surface Treatment		Carbon steel-electroless nickel plating		Aluminium Alloy-Anodic Oxidation	
	Weight kg		2.5	3	4	4
	Coupling		Including			
	Accuracy		Precision			
	Size mm		L1:25,L2:50,L3:60, L4:78,L5:106,L6:125.5, L7:195.5,B1:76,H3:28, H1:20	L1:25,L2:50,L3:60, L4:78,L5:106,L6:125.5, L7:195.5,B1:76,H3:28, H1:20	L1:25,L2:50,L3:60, L4:78,L5:106,L6:125.5, L7:195.5,B1:76,H3:28, H1:20	L1:25,L2:50,L3:60, L6:124, L7:191,B1:76,H3:28, B1:72,H3:28 H1:30
Precision Specifications	Resolution（Full/Half)		5μ	10μ	5μ	5μ
	Max Speed(Full step) Unidirectional		7.5mm/s	20mm/s	10mm/s	10mm/s
	Positioning Precision		0.01mm			
	Repeated positioning accuracy		±5μm			
	Load kg		4	5	5	6
	Parallelism		<0.015mm			
	Dynamic Straightness		<0.015mm			
	Dynamic Parallelism		<0.02mm			
Electrical Specifications	Motor	Model	28BYG			
		Voltage	DC24V			
		Stepping Angle	1.8 °			
	Sensor	Origin Sensor	Including			
		Limit Sensor	Including			
		Voltage	DC24V			
		Working current	<50mA			
	Connector	Type	RS232 serial port 9-pin male end connector			

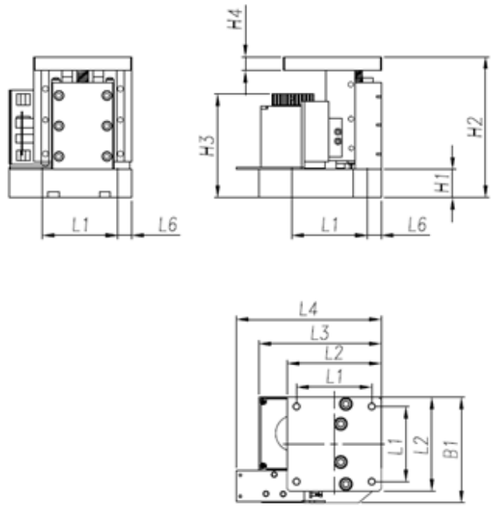


Model			EX30A-1-1-1
Mechanicial Specifications	Table size		90*90*30
	Travel Stroke		±15
	Drive Type		Griding Thread Screw
	Ball screw specification		Ø8 Lead 1
	Rail		Crossed Ball guideway
	Stage Material/Surface Treatment		Aluminium Alloy Anodic Oxidation
	Weight kg		1.7
	Coupling		Including
	Accuracy		Precision
	Size mm		L1:34,L2:50,L3:63,L4:75,L5:90,L6:214,L7:25,B1:50,B2:120,H1:30
Precision Specifications	Resolution（Full/Half）		5μ
	Max Speed(Full step) Unidirectional		7.5mm/s
	Positioning Precision		10μm
	Repeated positioning accuracy		±5μm
	Load kg		4
	Parallelism		<0.02mm
	Dynamic Straightness		<0.015mm
	Dynamic Parallelism		<0.01mm
Electrical Specifications	Motor	Model	42BYG
		Voltage	DC24V
		Stepping Angle	1.8 °
	Sensor	Origin Sensor	Including
		Limit Sensor	Including
		Voltage	DC24V
		Working current	⩽ 50mA
	Connector	Type	RS232 serial port 9-pin male end connector

Precision Electric Lift Table • Crossed Guideway

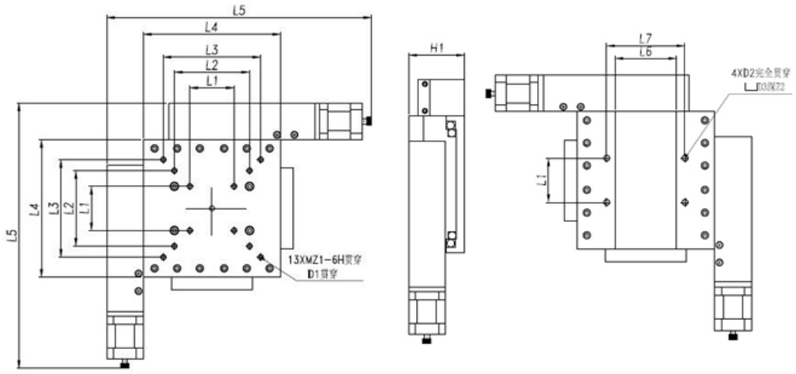


Model			EZ10A-1-1-1	EZ20A-1-1-1
Mechanicial Specifications	Table size		105*80	230*140
	Travel Stroke		10	20
	Drive Type		Ball screw	
	Ball screw specification		Ø8 Lead 2mm	Ø8 Lead 4mm
	Rail		Crossed ball guideway	
	Stage Material/Surface Treatment		Aluminium Alloy -Anodic Oxidation 1.6 8	
	Weight kg		1.6	8
	Coupling		Including	
	Accuracy		Precision	
	Size mm		L1:34,L2:50,L3:63,L4:75,L5:90 ,L6:214,L7:25,B1:50, B2:120,H1:30	L1:150,L2:230,L3:148 ,L5:378,L6:125 B1:140,H1:114
Precision Specifications	Resolution（Full/Half）		5μ	10μ
	Max Speed(Full step)		16mm/s	32mm/s
	Unidirectional Positioning Precision		12μm	
	Repeated positioning accuracy		10μm	
	Load kg		5	20
	Parallelism		15μm	
	Dynamic Straightness		8μm	
	Dynamic Parallelism		15μm	
	Pitch Error		25”	
	Deflection Error		20”	
	Backlash		2μ	
	Missed Step		2μ	
Electrical Specifications	Motor	Model	42BYG	
		Voltage	DC24V	
		Stepping Angle	1.8 °	
	Sensor	Origin Sensor	Including	
		Limit Sensor	Including	
		Voltage	DC24V	
		Working current	<50mA	
	Connector	Type	RS232 serial port 9-pin male end connector	



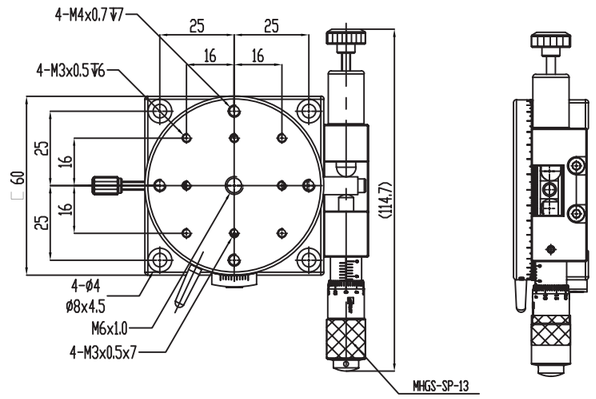
Model			EZ6A-1-1-1
Mechanicial Specifications	Table size		40*40
	Travel Stroke		6
	Drive Type		Ball screw
	Ball screw specification		Lead 1
	Rail		Crossed ball guideway
	Stage Material/Surface Treatment		Aluminium Alloy - Anodic Oxidation
	Weight kg		0.5
	Coupling		Including
	Accuracy		Precision
	Size mm		L1:32,L2:40,L3:52,L4:60,B1:48,H1:12,H2:60±3,H3:47,H4:6
Precision Specifications	Resolution（Full/Half)		5μ
	Max Speed(Full step)		10mm/s
	Unidirectional Positioning Precision		12μm
	Repeated positioning accuracy		10μm
	Load kg		3
	Parallelism		8μm
	Dynamic Straightness		15μm
	Dynamic Parallelism		15μm
	Pitch Error		25”
	Deflection Error		20”
	Backlash		2μ
	Missed Step		2μ
Electrical Specifications	Motor	Model	28BYG
		Voltage	DC24V
		Stepping Angle	1.8°
	Sensor	Origin Sensor	Including
		Limit Sensor	Including
		Voltage	DC24V
		Working current	<50mA
	Connector	Type	RS232 serial port 9-pin male end connector

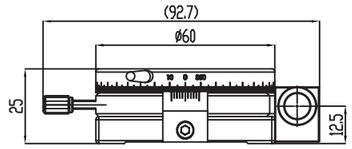
Electric Precision Sliding Table • Crossed Ball Guideway • XY Axis



Model			EXY50A-1-1-1	EXY50A-1-1-1S	EXY100A-1-1-1S
Mechanicial Specifications	Table size		155*155	155*155	300*300
	Travel Stroke		50	50	100
	Drive Type		Ball screw	Ball screw	Ball screw
	Ball screw specific		Ø8 Lead 2.5mm	Ø8 Lead 2.5mm	Ø8 Lead 4mm
	Rail		Cross ball guideway		
	Stage Material/Surface Treatment		Aluminium Alloy - Anodic Oxidation		
	Weight kg		4.5	4	8.5
	Coupling		Including		
	Accuracy		Precision		
	Size mm		L1:50,L2:85,L3:110, L4:155,L5:290,L6:65, L7:85,H1:55	L2:100,L3:115, L4:155,L5:290,L6:65, L7:80,H1:55	L1:160,L2:178,L3:345, L4:370, H1:80
Precision Specifications	Resolution（Full/Half)		12.5μ	12.5μ	20μ
	Max Speed(Full step)		20mm/s	20mm/s	33mm/s
	Unidirectional Positioning Precision		5μm		
	Repeated positioning accuracy		3μm		
	Load kg		20	20	40
	Parallelism		5μm	8μm	
	Dynamic Straightness				
	Dynamic Parallelism		15μm	18μm	
Electrical Specifications	Motor	Model	42BYG		
		Voltage	DC24V		
		Stepping Angle	1.8°		
	Sensor	Origin Sensor	Including	Including	
		Limit Sensor	Including		
		Voltage	DC24V		
		Working current	<50mA		
	Connector	Type	RS232 serial port 9-pin male end connector		

Rotating counterpoint platform





Model		MR60-AR
Specifications	Table size（mm）	60*60
	Travel Stroke (mm)	Coarse movement 360° Inching ±5°
	Scale	0.2°
	Micrometer min reading	≒ 55 "/scale
	Eccentricity	0.05
	Load（kgf）	3
	Weight (kg)	0.28

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