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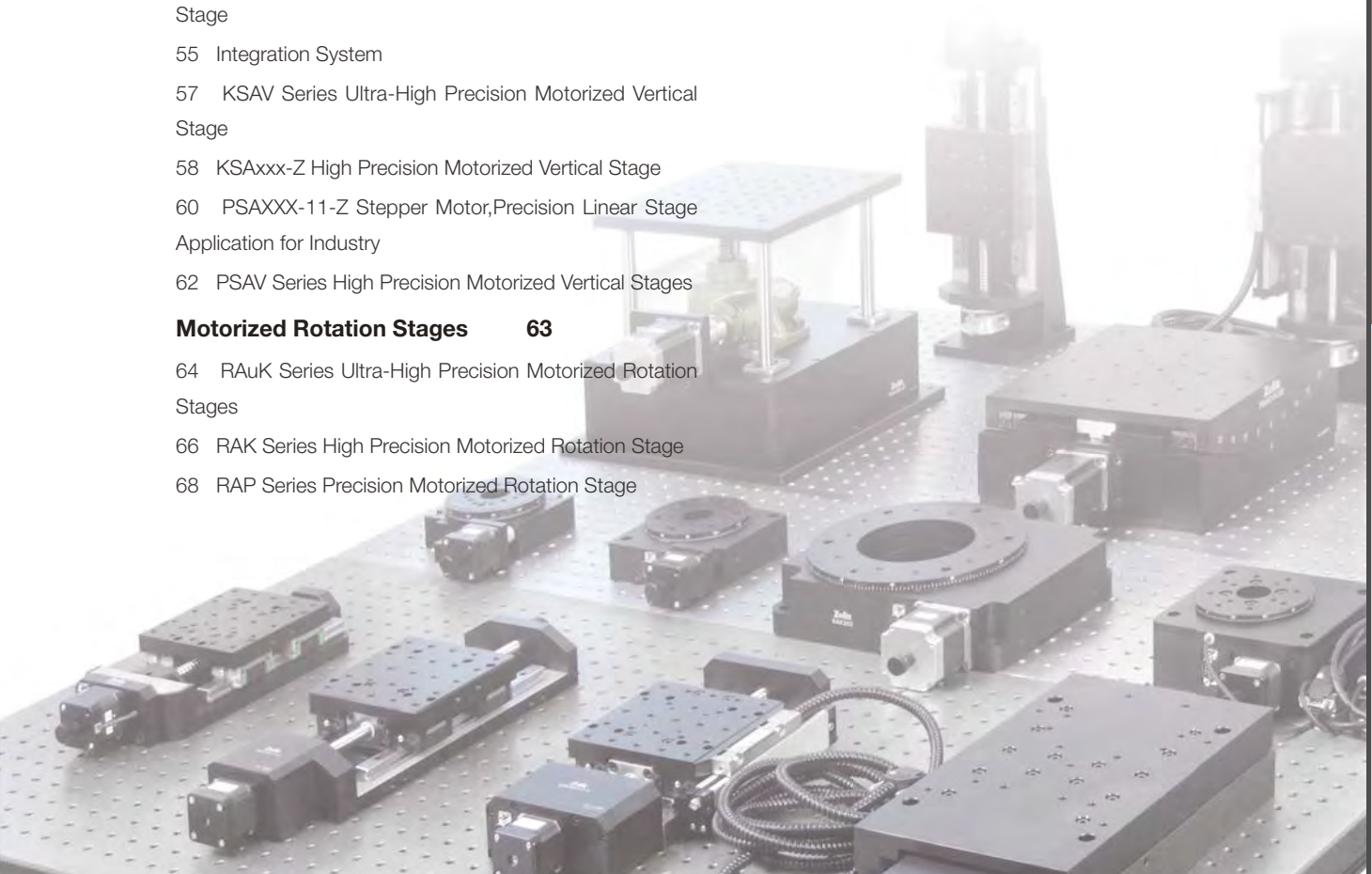
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uKSA Series Ultra- Precision Linear Stages



Characteristic:

- import ultra-precision grating internal, closed-loop resolution is $0.1\mu\text{m}$ in conjunction with MC600 controller
- import ultra-high level ball screw, achieve high position
- import ultra-high level cross roller rail, ensure straightness, parallel, yaw, pitch and related specification in conjunction with zolix special precision grinding craft (including Al base precision grind)
- assemble craft and test method that higher international, ensure all the products performance
- closed dust-cover, suit for any condition
- planning servo-motor of this series

Specification:

- Travel: 50, 100, 150, 200mm
- Motor: 3 Phase Motor
- Resolution (Closed-Loop): $0.1\mu\text{m}$
- Straightness & Parallelism: $<6\mu\text{m}$
- Yaw & Pitch: $<15''$

Related Products:

MC6003P Controller TMC Controller



Application:



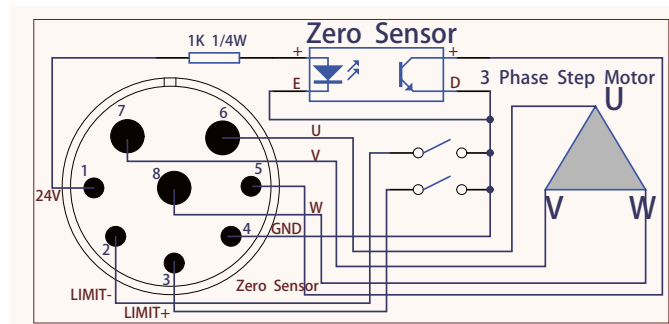
Specification:

uKSA series ultra-high precision motorized translation stage, includes travels are below: 50, 100, 150, 200mm; It is our new product, specification is international standards: for example: closed-loop resolution is $0.1\mu\text{m}$, straightness and parallel during whole travel is less than $6\mu\text{m}$, yaw, pitch is less than $15''$. Application: ultra-high precision filed; for example: ultra-high precision laser marking, laser scanning measurement.

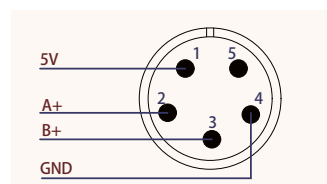
Model Sheet:

Model	uKSA50	uKSA100	uKSA150	uKSA200
Travel (mm)	50	100	150	200
Pitch (mm)	4			
Motor Model	FHB366-D(3 Phase)			
Closed-Loop Resolution (μm)	0.1			
Max Speed (mm/s)	40			
Repeatability (μm)	≤ 2		≤ 2	
Backlash (μm)	≤ 1		≤ 1	
Straightness (μm)	≤ 6		≤ 10	
Parallelism (μm)	≤ 6		≤ 10	
Weight (Kg)	15	18	22	25
Load (Kg)	30			

Grating Diagram:

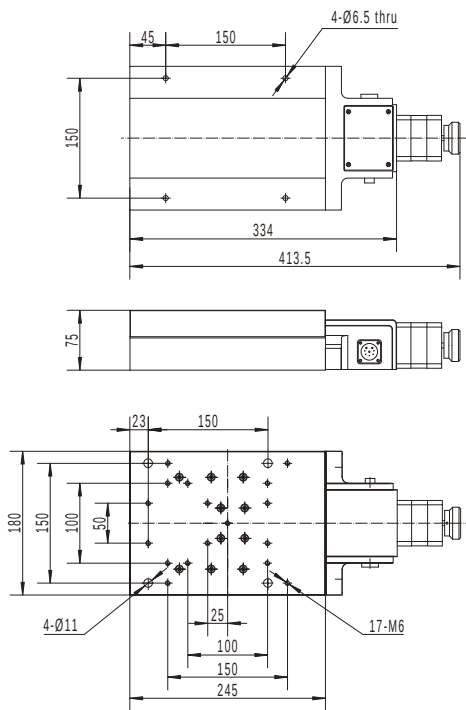


Motor Diagram:

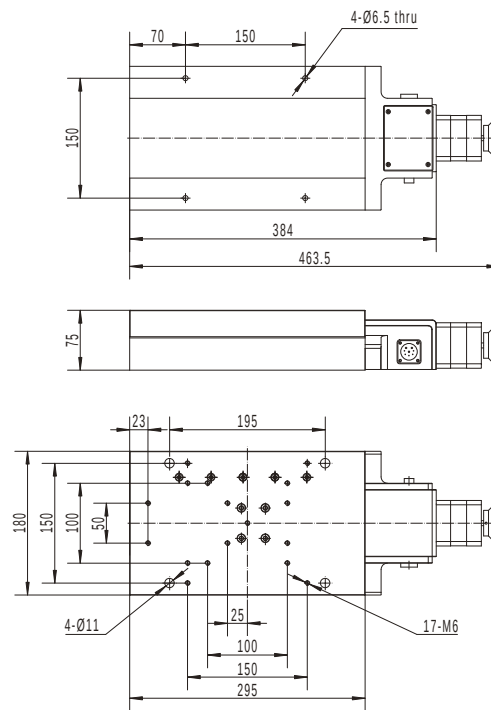


Drawing:

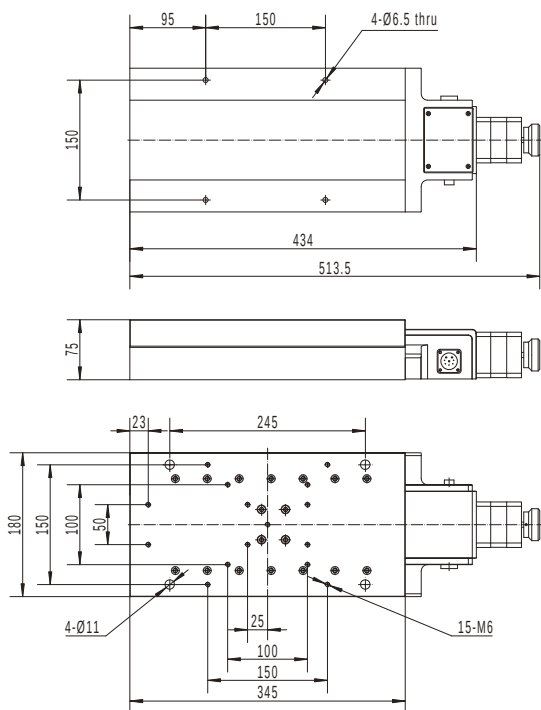
uKSA50 ▼



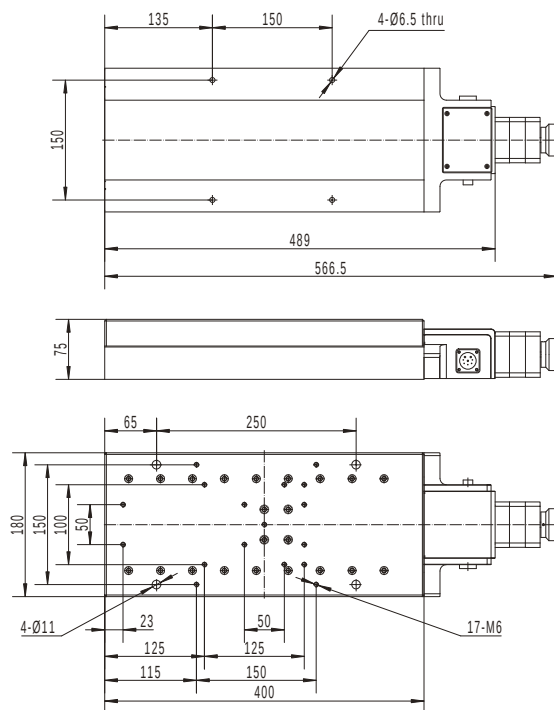
uKSA100 ▼



uKSA150 ▼



uKSA200 ▼



KSAXXX-11/12-X Stepper Motor ,High-Precision Linear Stages,Application for Labs



Model Sheet:

Model	KSA050-11/12-X	KSA100-11/12-X	KSA150-11/12-X	KSA200-11/12-X	KSA300-11/12-X	KSA400-11/12-X
Travel(mm)	50	100	150	200	300	400
Pitch(mm)	4					5
Closed-loop Resolution(μm)	1					
Resolution(μm)	2.5					3.125
Max Speed(mm/sec)	40					50
Repeatability(μm)	<3					
Backlash (μm)	<5					
Yaw (°)	<15			<20	<25	<30
Pitch (°)	<15			<25	<30	<40
Straightness(μm)	<10			<12	<15	<20
Parallism (μm)	<10			<12	<15	<20
Stepper Motor(angle)	42(1.8°)				57(1.8°)	
Current(A)	1.7				2.4	
Load Capacity(Kg)	30				50	

Related Products:

MC600 Controller



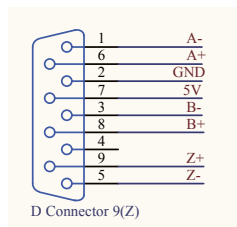
TMC Controller



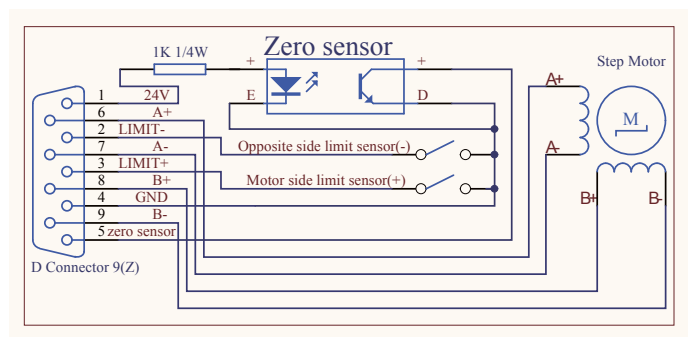
Application:



Grating Diagram:

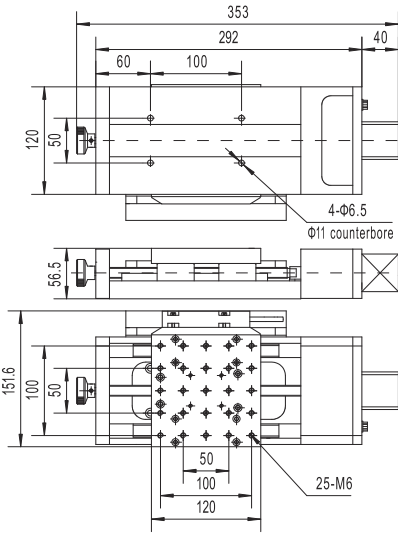


Motor Diagram:

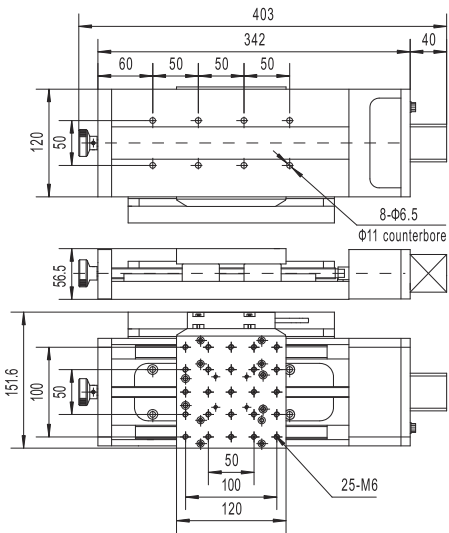


Drawing:

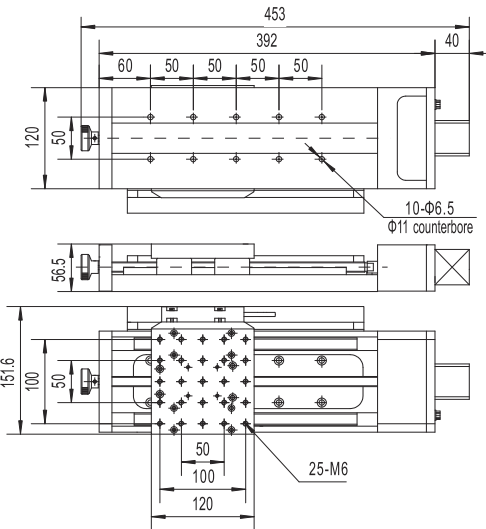
KSA050-11/12-X ▼



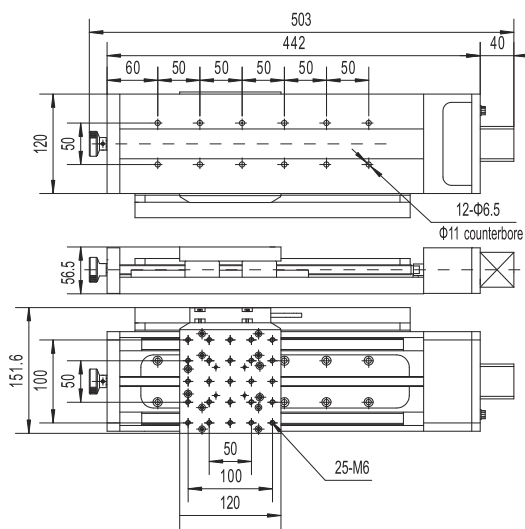
KSA100-11/12-X ▼



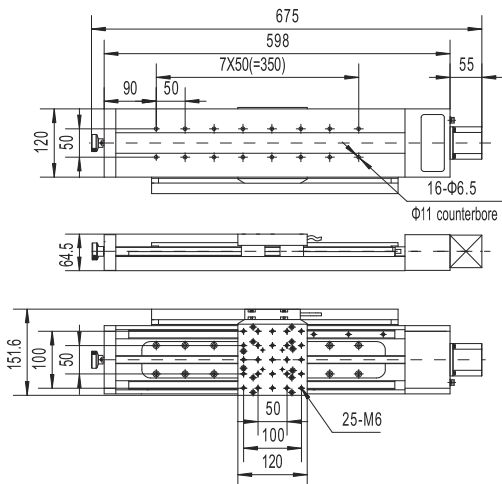
KSA150-11/12-X ▼



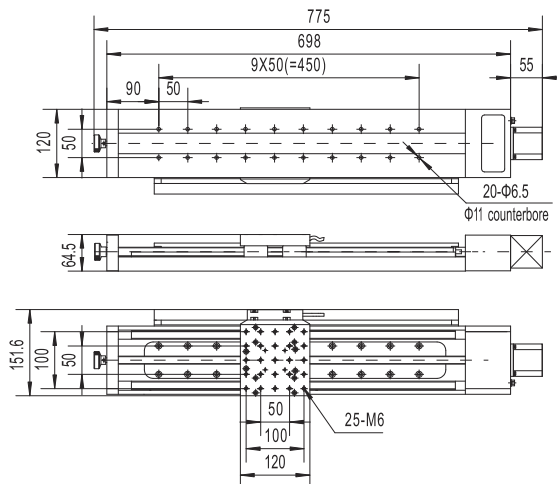
KSA200-11/12-X ▼



KSA300-11/12-X ▼



KSA400-11/12-X ▼



KSAXXX-13-X Stepper Motor ,High-Precision Linear Stage Application for Industry



Model Sheet:

Model	KSA050-13-X	KSA100-13-X	KSA200-13-X	KSA300-13-X	KSA400-13-X
Travel(mm)	50	100	200	300	400
Pitch(mm)	4				5
Closed-loop Resolution(μm)	1				
Resolution(μm)	2.5				3.125
Max Speed(mm/sec)	40				50
Repeatability(μm)	<3				
Backlash (μm)	<5				
Yaw (")	<15		<20	<25	<30
Pitch (")	<15		<25	<30	<40
Straightness(μm)	<10		<12	<15	<20
Parallism (μm)	<10		<12	<15	<20
Stepper Motor(angle)	57(1.8°)				
Current(A)	2.4				

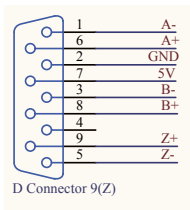
Related Products:

MC600 Controller

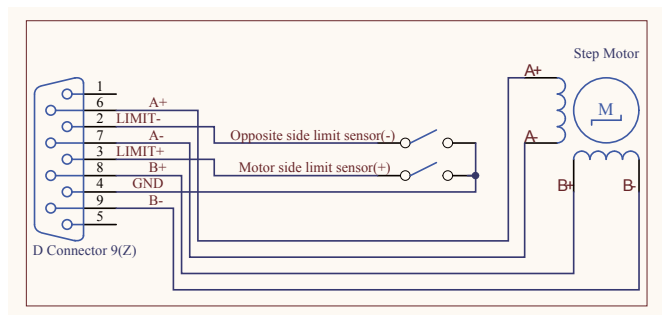
TMC Controller



Grating Diagram:

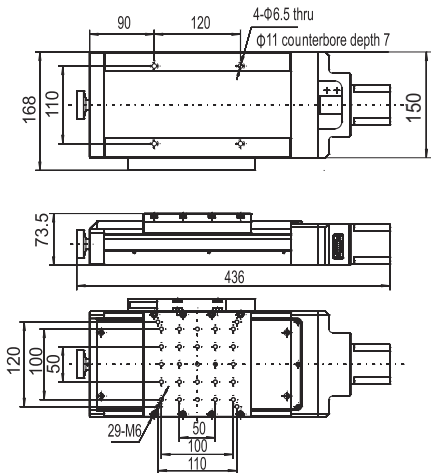


Motor Diagram:

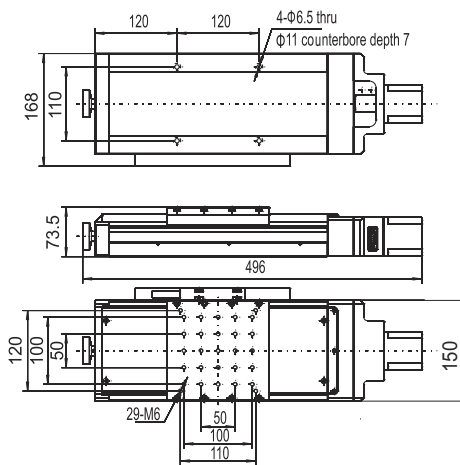


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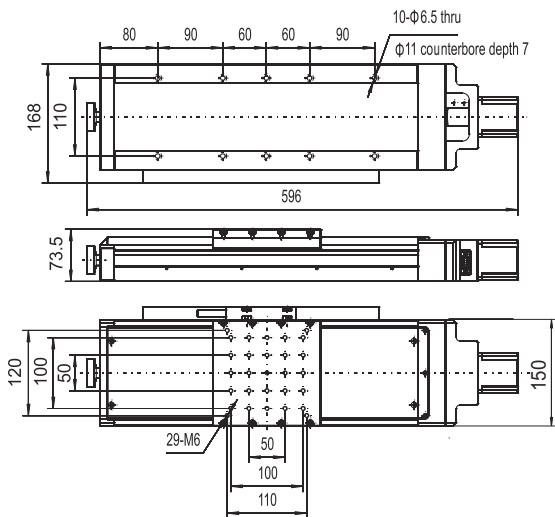
KSA050-13-X ▼



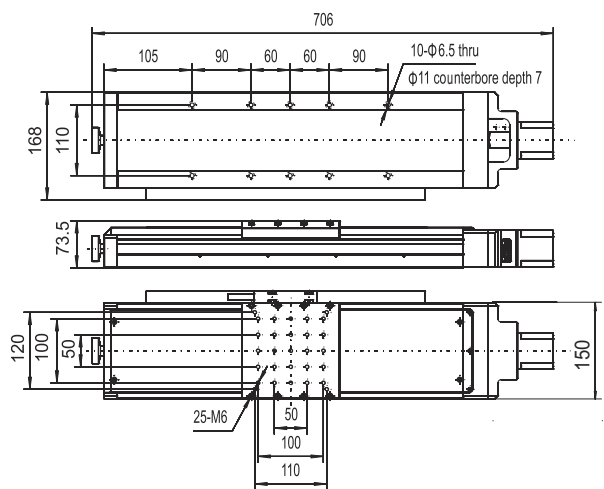
KSA100-13-X ▼



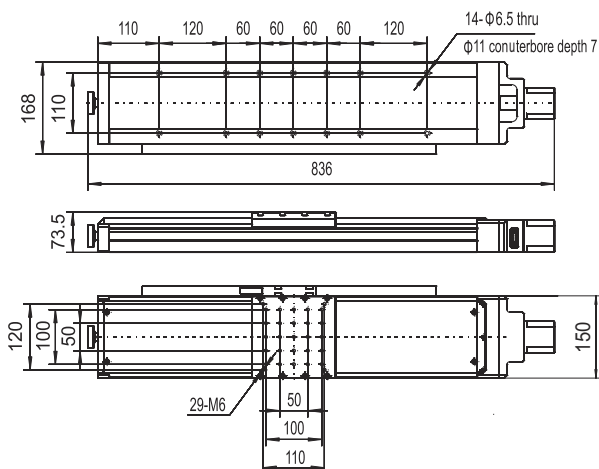
KSA200-13-X ▼



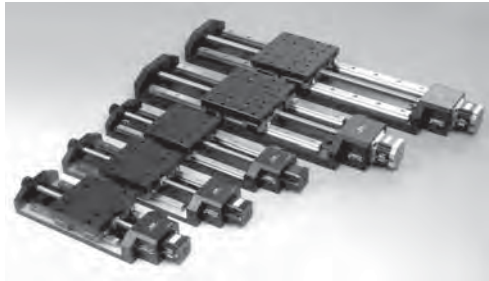
KSA300-13-X ▼



KSA400-13-X ▼



PSAXXX-11-X Stepper Motor,Precision Linear Stage Application for Labs



Model Sheet:

Model	PSA050-11-X	PSA100-11-X	PSA150-11-X	PSA200-11-X	PSA300-11-X	PSA400-11-X
Travel(mm)	50	100	150	200	300	400
Pitch(mm)	4					5
Resolution(8 sub-division) (μm)	2.5					3.125
Max Speed(mm/sec)	40					50
Repeatability(μm)	<3					
Backlash(μm)	<5					
Straightness	<10μm	<10μm/100mm				
Parallism	<15μm	<15μm/100mm				
Stepper Motor(angle)	42(1.8°)				57(1.8°)	
Current(A)	1.7				2.4	
Max. Center Load(Kg)	30				50	

Related Products:

SC300

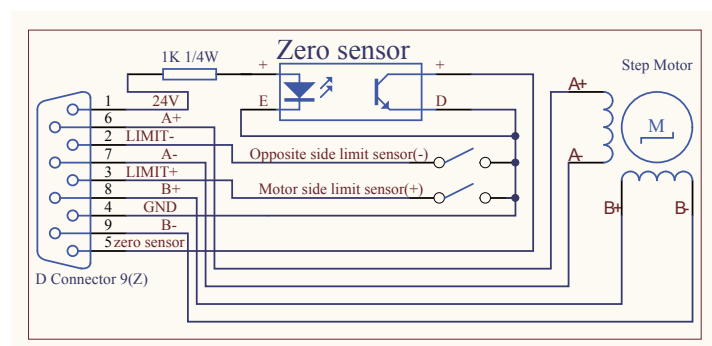
MC600



Application:

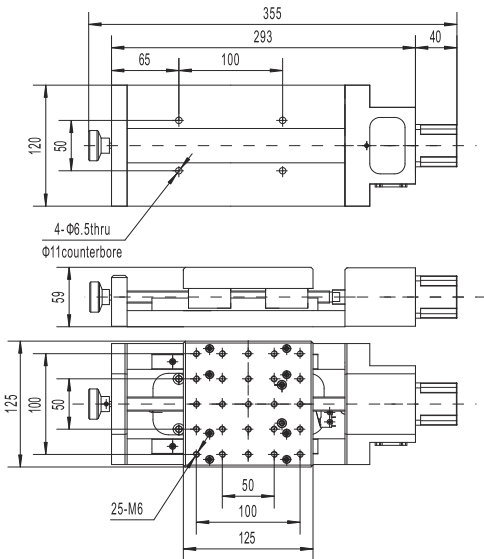


Diagram:

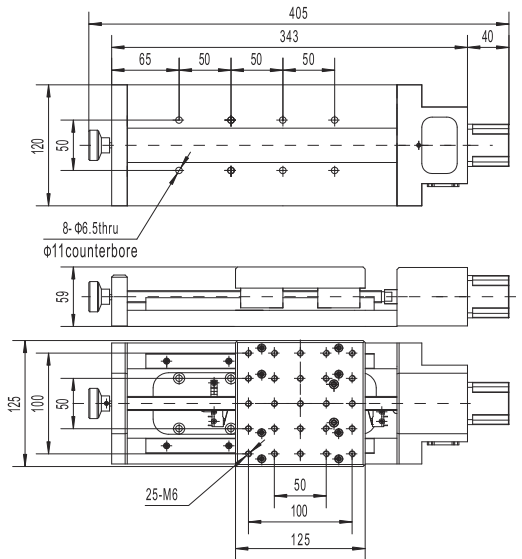


Drawing:

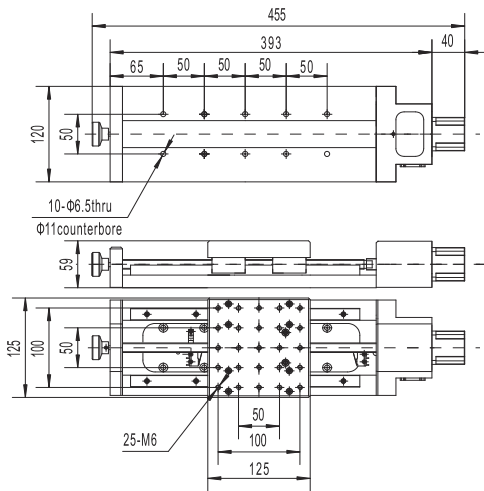
PSA050-11-X ▼



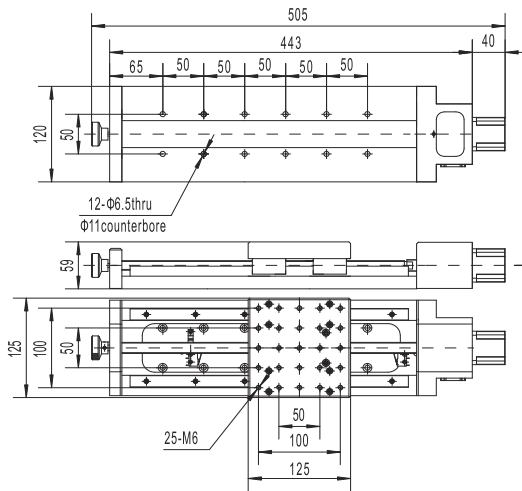
PSA100-11-X ▼



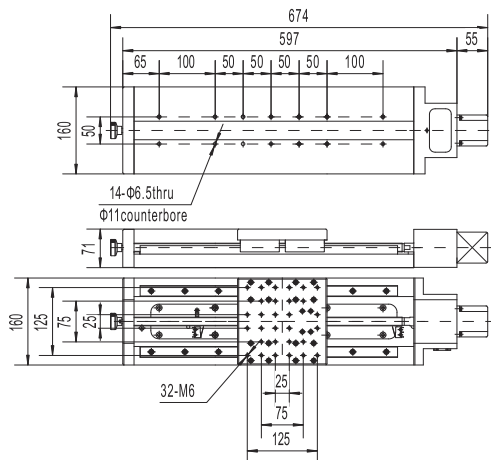
PSA150-11-X ▼



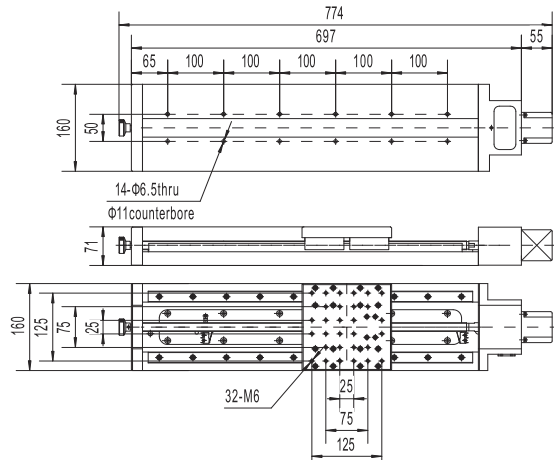
PSA200-11-X ▼



PSA300-11-X ▼



PSA400-11-X ▼



PSAXXX-113P-X 3 Phase Stepper Motor,Precision Linear Stage

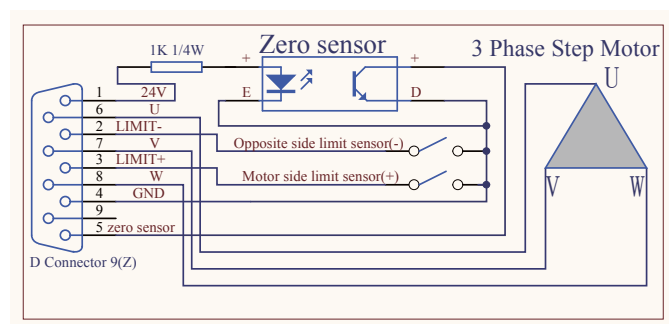


Model Sheet:

Model	PSA050-113P-X	PSA100-113P-X	PSA150-113P-X	PSA200-113P-X	PSA300-113P-X	PSA400-113P-X
Travel(mm)	50	100	150	200	300	400
Pitch(mm)	4					5
Resolution(μm)	2.5					3.125
Max Speed(mm/sec)	40					50
Repeatability(μm)	<3					
Backlash(μm)	<5					
Straightness	<10μm	<10μm/100mm				
Parallism	<15μm	<15μm/100mm				
Stepper Motor(Angle)	57(1.2°)					
Current(A)	5.8					
Load Capacity(Kg)	50					

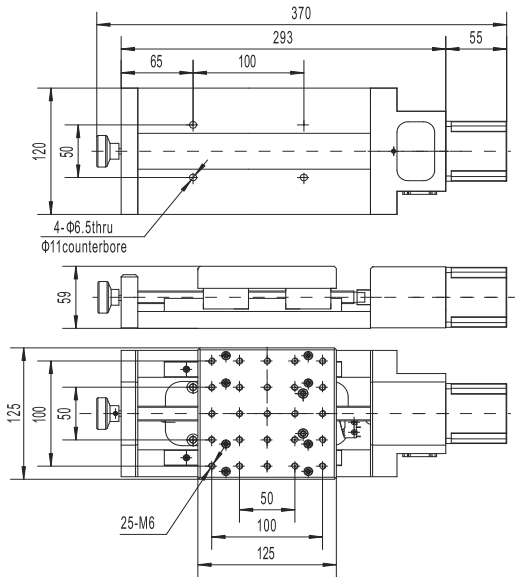
* Note: 1600pulse/rev

Diagram::

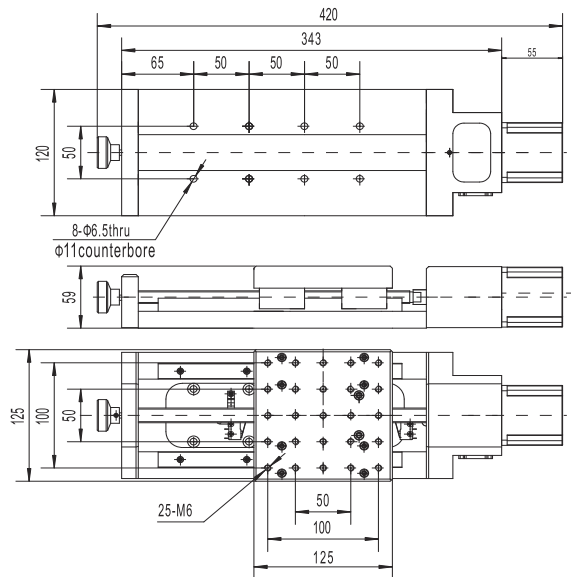


Drawing:

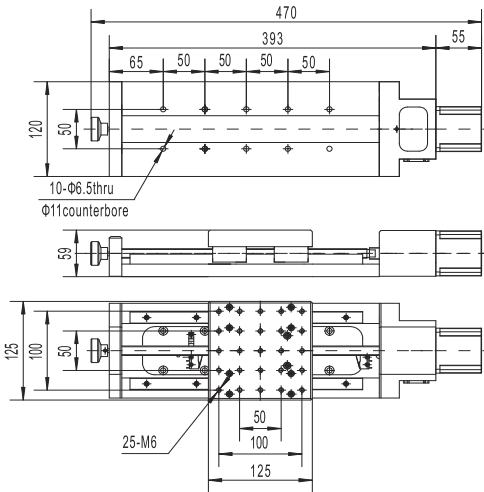
PSA050-113P-X ▼



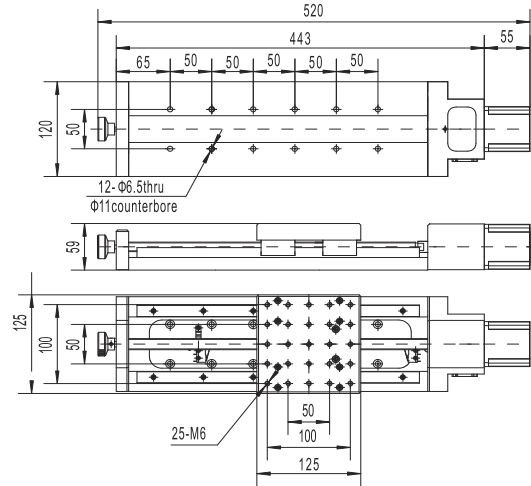
PSA100-113P-X ▼



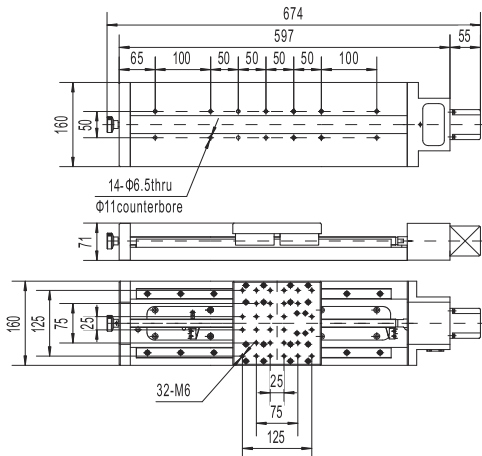
PSA150-113P-X ▼



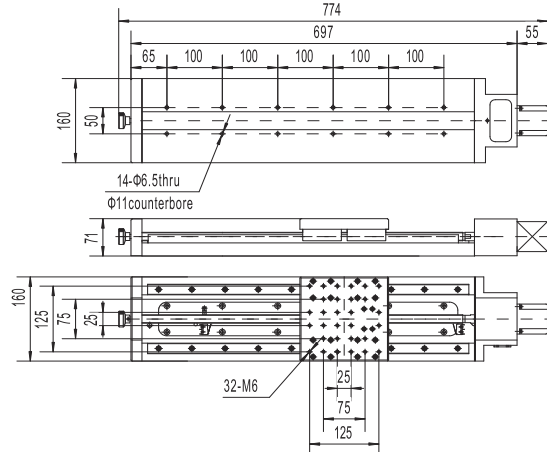
PSA200-113P-X ▼



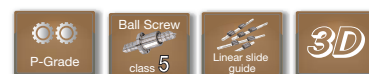
PSA300-113P-X ▼



PSA400-113P-X ▼



PSAXXX-11AS-X Servo Motor ,Precision Linear Stage



Model Sheet:

Model	PSA050-11AS-X	PSA100-11AS-X	PSA150-11AS-X	PSA200-11AS-X	PSA300-11AS-X	PSA400-11AS-X
Travel(mm)	50	100	150	200	300	400
Pitch(mm)	4					5
Resolution (μm)	0.4					0.5
Max Speed (mm/sec)	200					250
Repeatability (μm)	<3					
Backlash (μm)	<5					
Straightness	<10μm	<10μm/100mm				
Parallism	<15μm	<15μm/100mm				
Servo Motor Power (W)	100				200	
Load Capacity(Kg)	20				30	

Related Products:

MC600ASP Controller

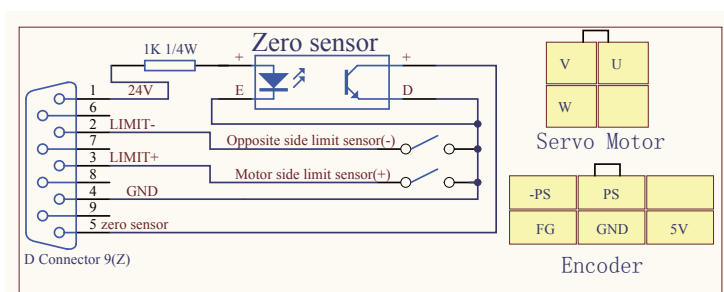


TMC Controller



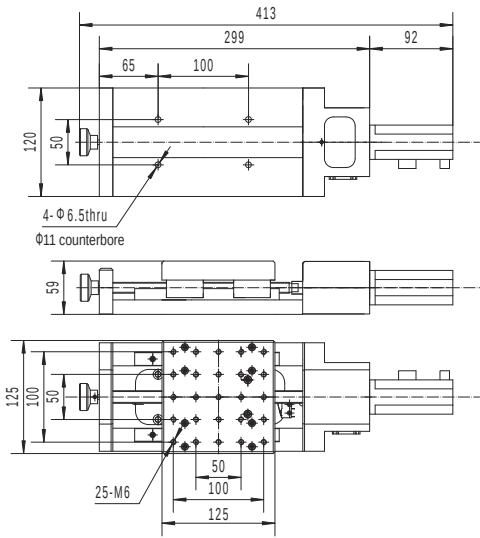
*Note: 1000pulse/rev

Diagram: :

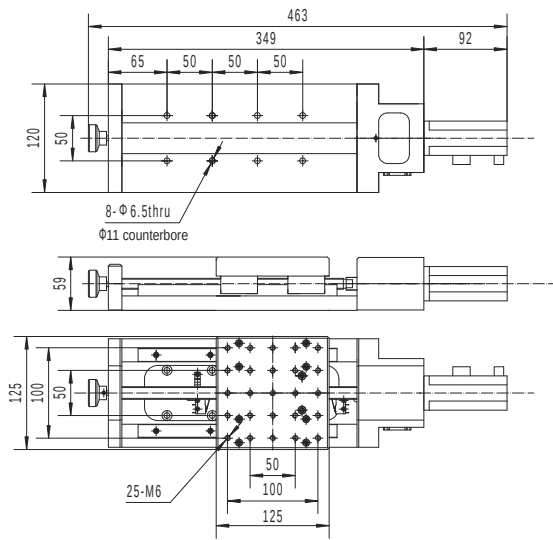


Drawing:

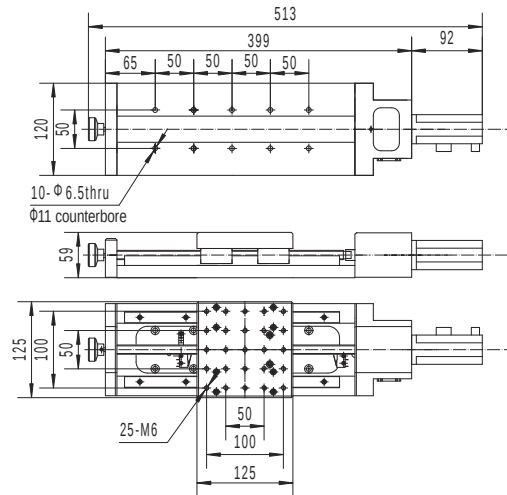
PSA050-11AS-X ▼



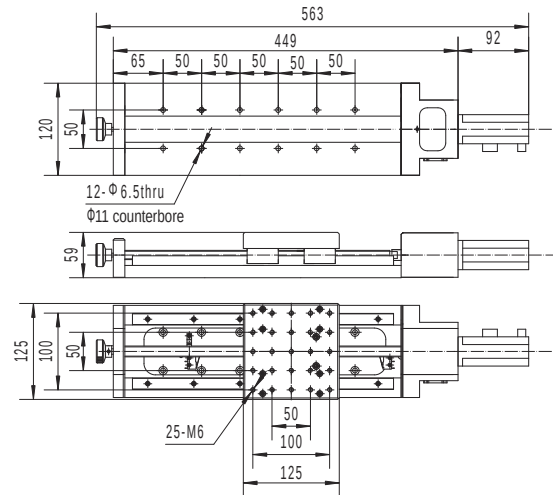
PSA100-11AS-X ▼



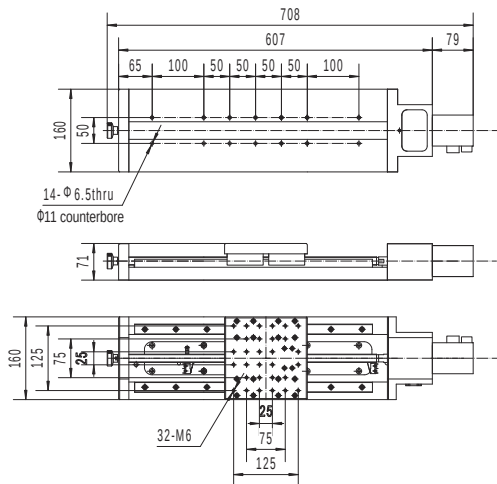
PSA150-11AS-X ▼



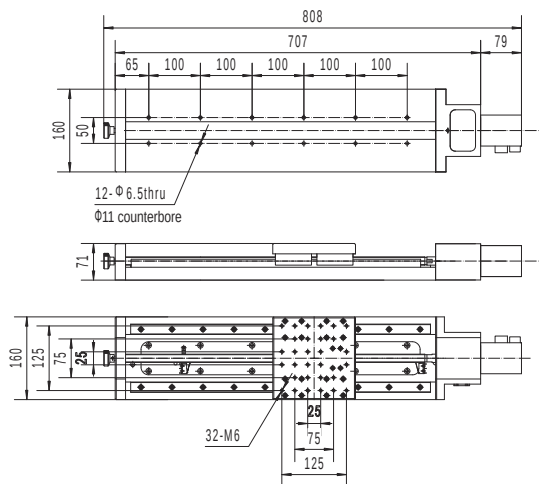
PSA200-11AS-X ▼



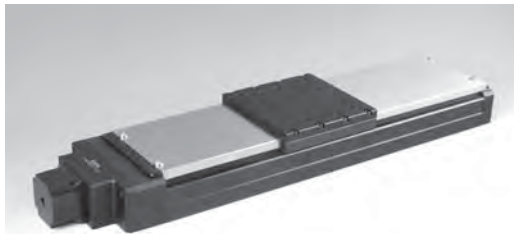
PSA300-11AS-X ▼



PSA400-11AS-X ▼



PSAXXX-13-X Stepper Motor, Precision Linear Stage Application for Industry



Model Sheet:

Model	PSA050-13-X	PSA100-13-X	PSA200-13-X	PSA300-13-X	PSA400-13-X
Travel(mm)	50	100	200	300	400
Pitch(mm)	4				5
8 Sub-Resolution (μm)	2.5				3.125
Max Speed (mm/sec.)	40				50
Repeatability (μm)	<3				
Backlash (μm)	<5				
Straightness	<10μm	<10μm/100mm			
Parrallism	<15μm	<15μm/100mm			
Stepper Motor	57(1.8°)				
Current(A)	2.4				
Max. Center Load(Kg)	50				70

Related Products:

SC300 Controller



TMC Controller

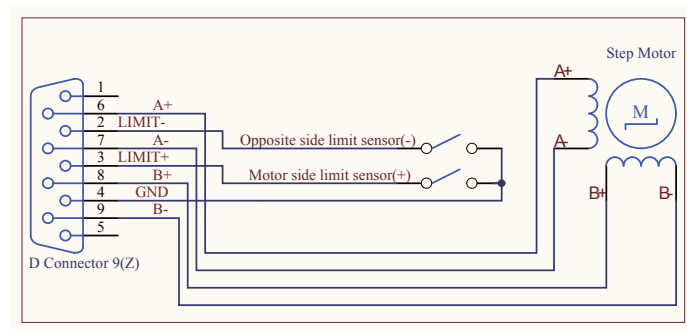


Application:



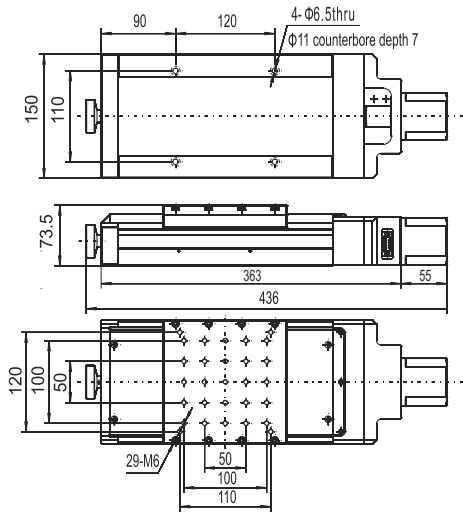
We can customize if you have any special requirement!

Diagram::

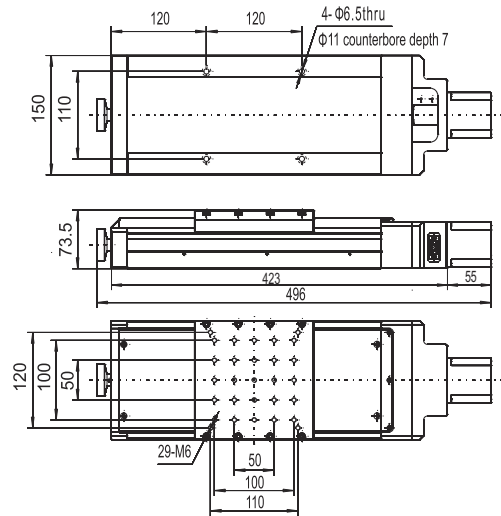


Drawing:

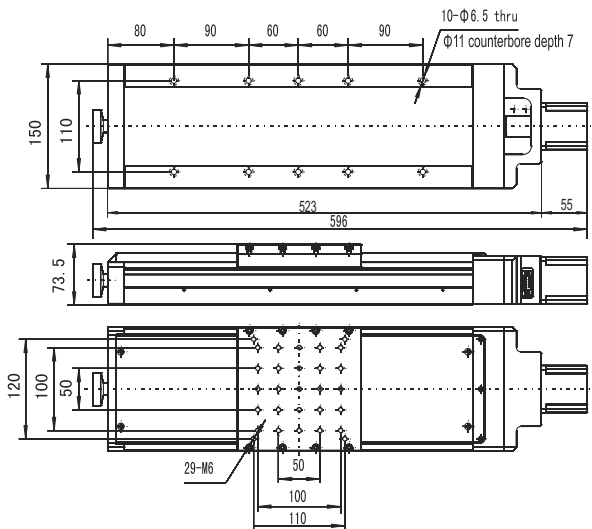
PSA050-13-X



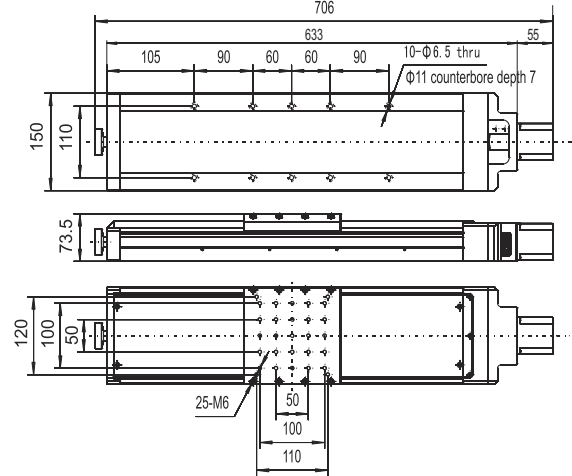
PSA100-13-X



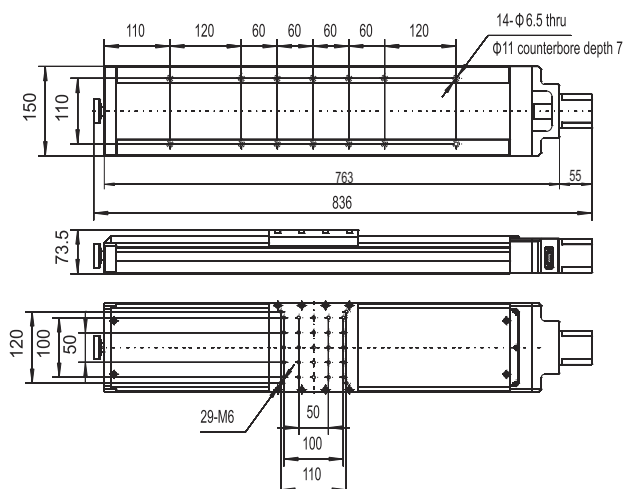
PSA200-13-X



PSA300-13-X



PSA400-13-X



Motorized Linear Stages

Motorized Vertical Stages

Motorized Rotation Stages

Motorized Goniometers

Combined Stages

Controllers

TSA Series Linear Stages

TSAXXX-C Stepper Motor,Ultra-Thin Linear Stage

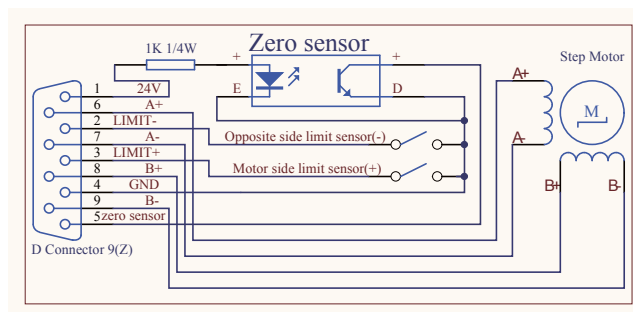


Model Sheet:

Model	TSA30-C	TSA50-C
Travel(mm)	30	50
Pitch(mm)	1	
Resolution(8 subdivision) (μm)	0.625	
Max speed (mm/sec.)	10	
Repeatability (μm)	<5	
Stepper Motor	42(1.8°)	
Working Current(A)	1.7	
Max. Center Load(Kg)	10	
Weight(Kg)	1.25	1.4

Please add BP-20 when you integrate TSA50-C

Diagram:



Related Products:

SC300 Controller

HC-100 Controller

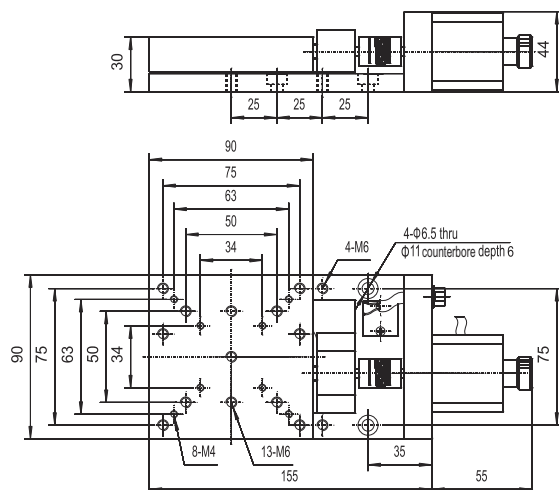


Application:

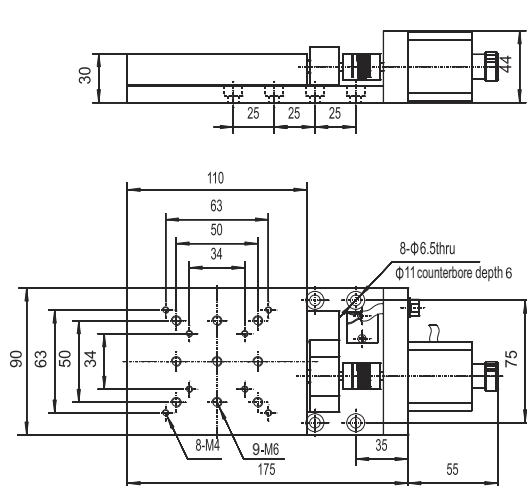


Drawing:

TSA30-C ▼



TSA50-C ▼



TSAX Stepper Motor,Linear Stage



Motorized Linear Stages

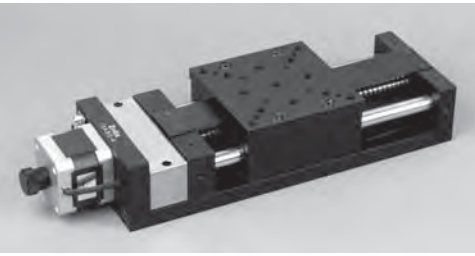
Motorized Vertical Stages

Motorized Rotation Stages

Motorized Goniometers

Combinated Stages

Controllers



Model Sheet:

Model	TSA50	TSA100	TSA150	TSA200
Travel(mm)	50	100	150	200
Pitch(mm)	4			
Resolution(μm)	1.25			2.5
Max Speed (mm/sec.)	20			40
Repeatability (μm)	<5			
Stepper Motor	42(0.9°)			42(1.8°)
Working Current(A)	1.7			
Max. Center Load(Kg)	15		10	7
Weight(Kg)	2.75	3	3.3	3.8

Related Products:

SC300 Controller

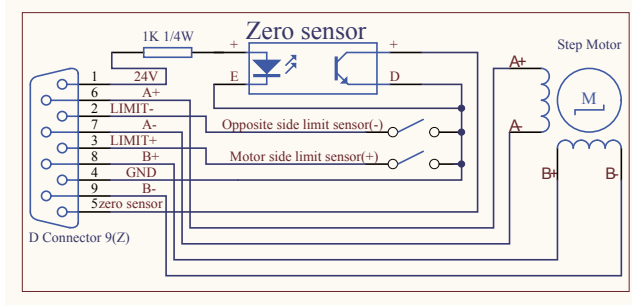
HC-100 Controller



Application:

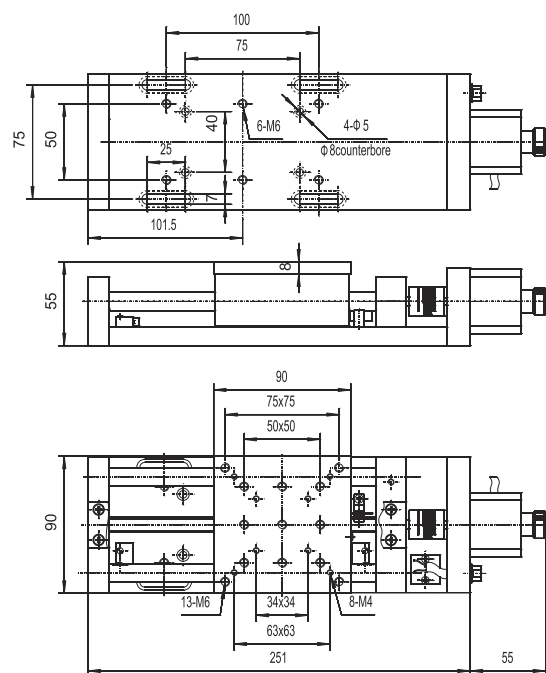


Diagram: :

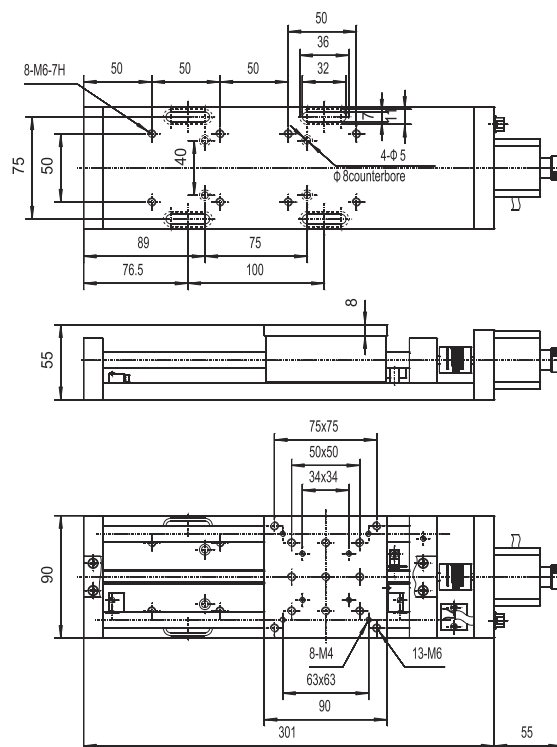


Drawing:

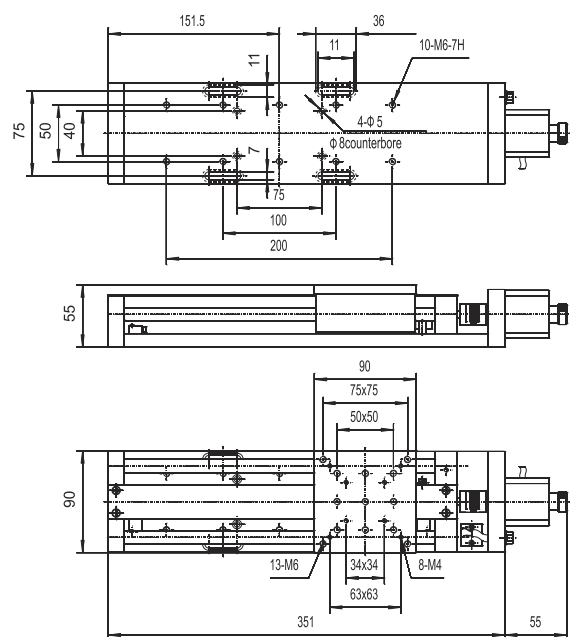
TSA50 ▼



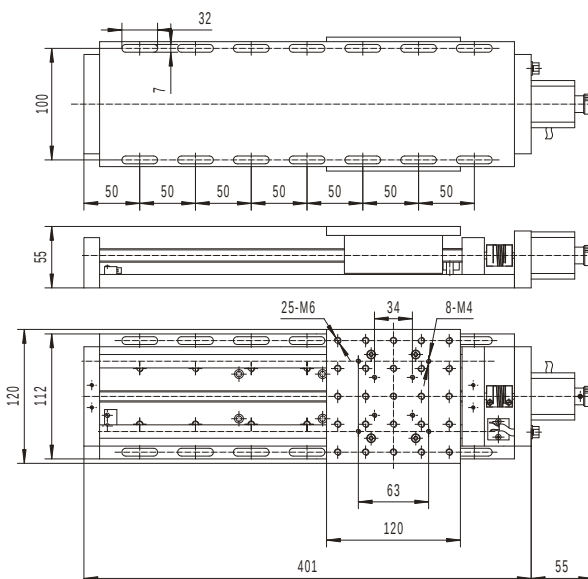
TSA100 ▼



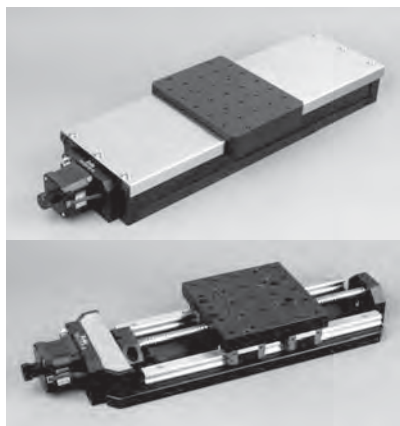
TSA150 ▼



TSA200 ▼



TSAXXX-B(F) Stepper Motor, Linear Stage, Large Load



Related Products:

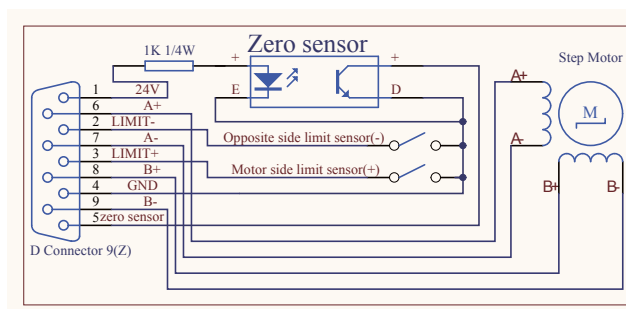
SC300 Controller



Model Sheet:

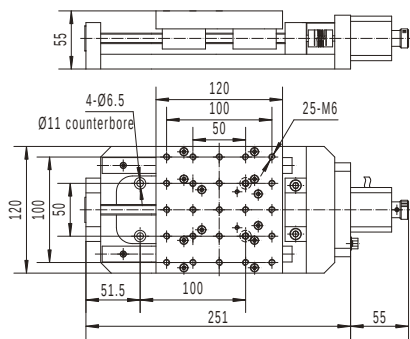
Model	TSA 50-B	TSA 100-B	TSA 150-B	TSA 200-B(F)	TSA 300-B(F)	TSA 400-B(F)	TSA 500-B	TSA 600-B	TSA 800-B	TSA 1000-B
Travel (mm)	50	100	150	200	300	400	500	600	800	1000
Pitch(mm)	4					5				
Resolution (μm)	1.25			2.5		3.125				
Max Speed (mm/s)	20			40		50				
Repeatability (μm)	<5									
Stepper Motor	42(0.9°)			42(1.8°)		57(1.8°)				
Current (A)	1.7					2.4				
Load Capacity(Kg)	30					50				

Diagram: :

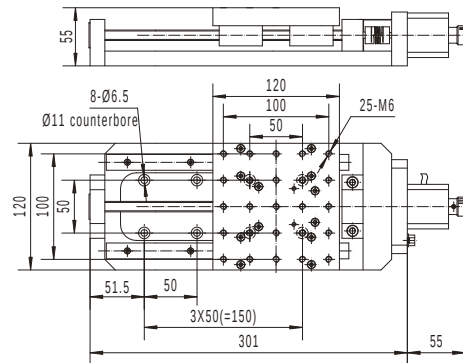


Drawing:

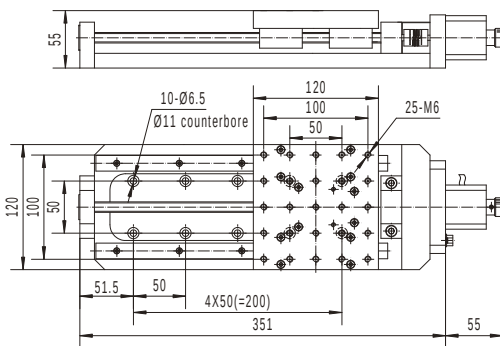
TSA50-B ▼



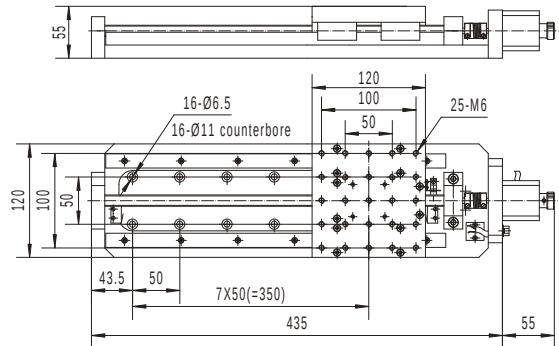
TSA100-B ▼



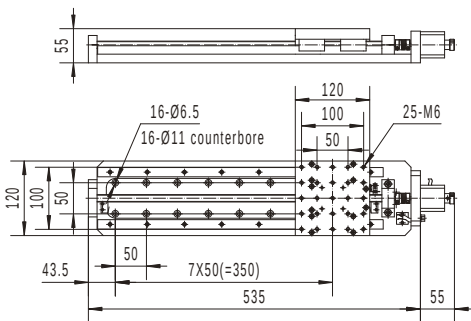
TSA150-B ▼



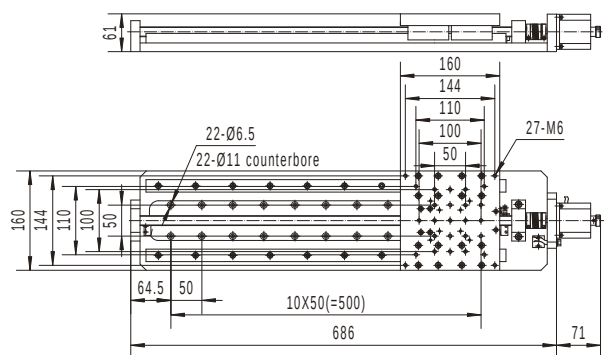
TSA200-B ▼



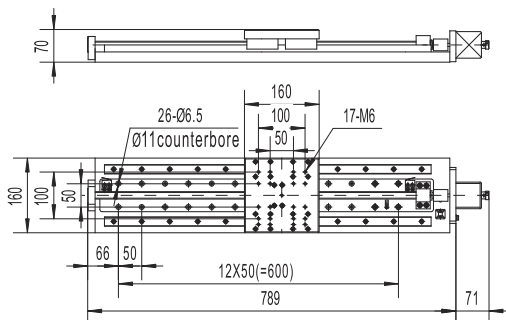
TSA300-B ▼



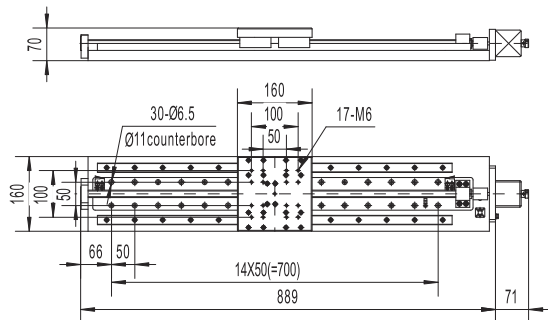
TSA400-B ▼



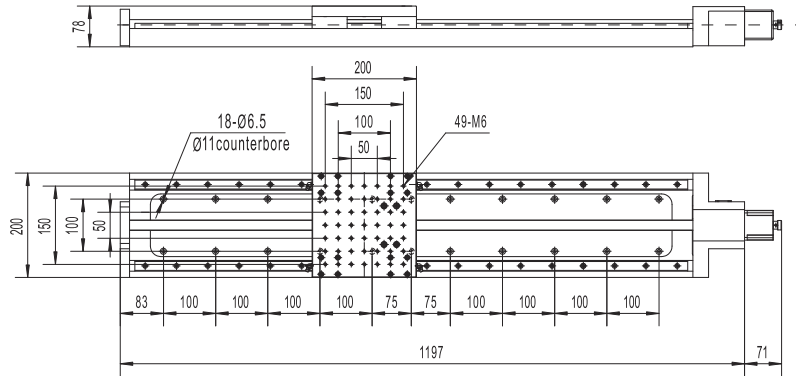
TSA500-B ▼



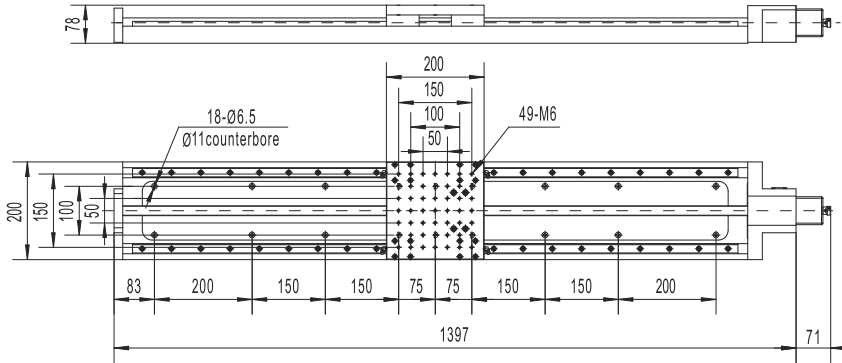
TSA600-B ▼



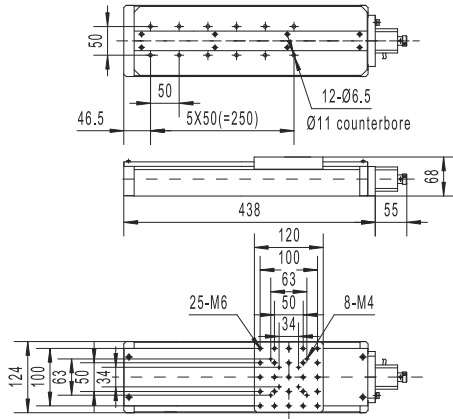
TS_{A800-B} ►



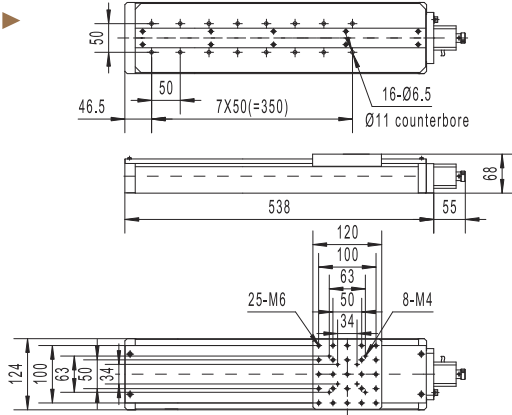
TS_{A1000-B} ►



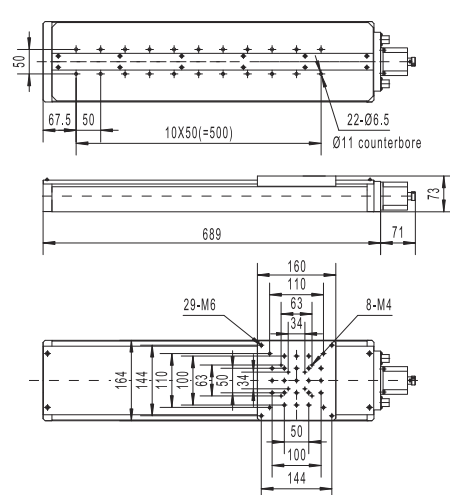
TS_{A200-BF} ►



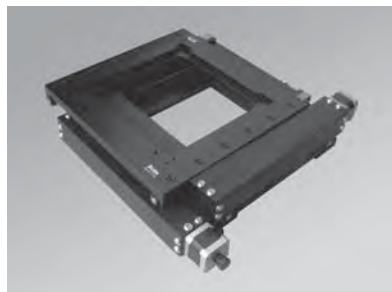
TS_{A300-BF} ►



TS_{A400-BF} ▼



TSAW1000X100-XY Integrated Two Dimension Linear Stage



Model Sheet:

Model	TSAW100×100-XY
Travel(X*Y)(mm)	100×100
Pitch(mm)	4
Repeatability (μm)	<5
8 sub -Resolution (μm)	1.25
Stepping Motor	42(0.9°)
Working Current(A)	1.7
Max. Center Load(Kg)	20

Related Products:

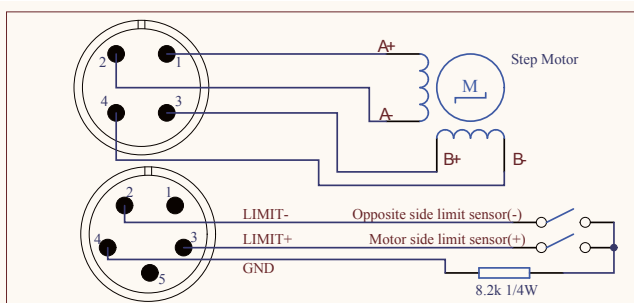
SC300 Controller



Application:

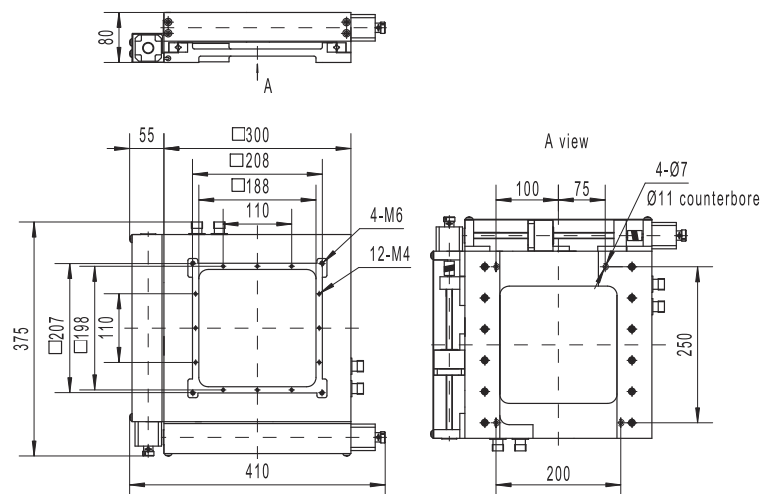


Diagram::

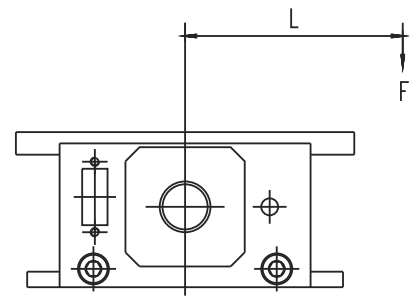


Drawing:

TSA100×100-XY ▼



Integration System



Motorized Linear Stages

Motorized Vertical Stages

Motorized Rotation Stages

Motorized Goniometers

Combined Stages

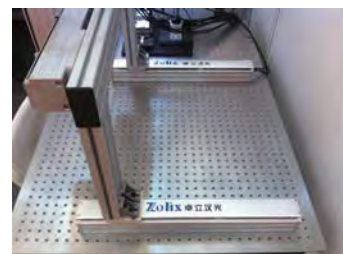
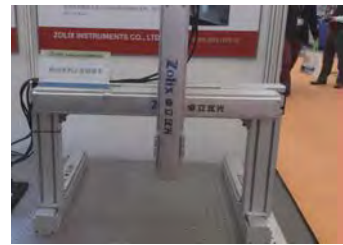
Controllers



KSA XY Stage



PSA-13 XY Stage



Robert Stage



XY Ultra-thin Stage



Scanning System



Integrated 18 Axis Stage



Large Travel Integrated Stage

Customize Stage



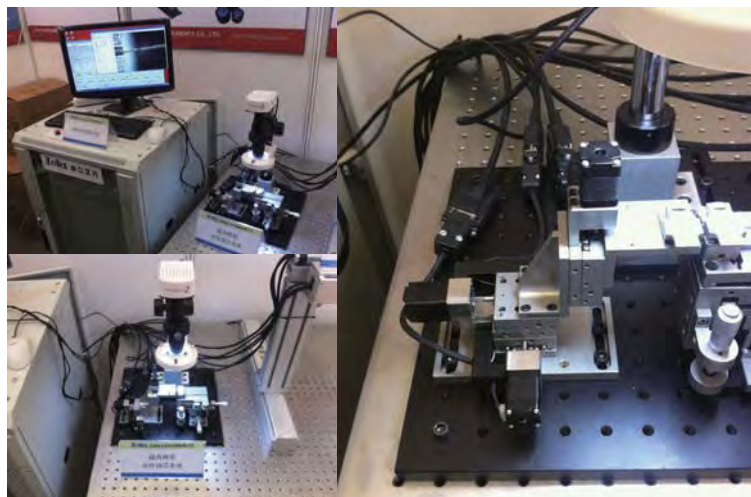
12 Inches Wafer Cutting System



Large Travel Stage(travel 2000mm)



3D Scanning System (scanning area: 500x500mm)



Fiber Alignment Stage(travel 10-25mm)



Fiber System

KSAV Series Ultra-High Precision Motorized Vertical Stage



Model Sheet:

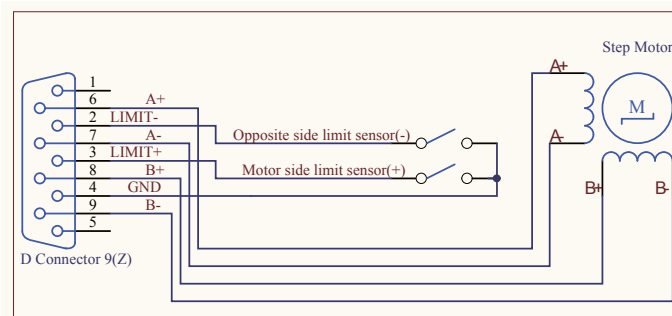
Model	KSAV1010-ZF	KSAV2030-ZF
Travel (mm)	10	30
Pitch (mm)	1	1
Resolution of 8 sub-division(μm)	0.23	0.4
Max Speed (mm/sec)	6	6.5
Repeatability (μm)	<5	<5
Stepper Motor (angle)	42(1.8°)	57(1.8°)
Current (A)	1.7	2.4
Load Capacity (Kg)	10	20

Related Products:

SC300 Controller

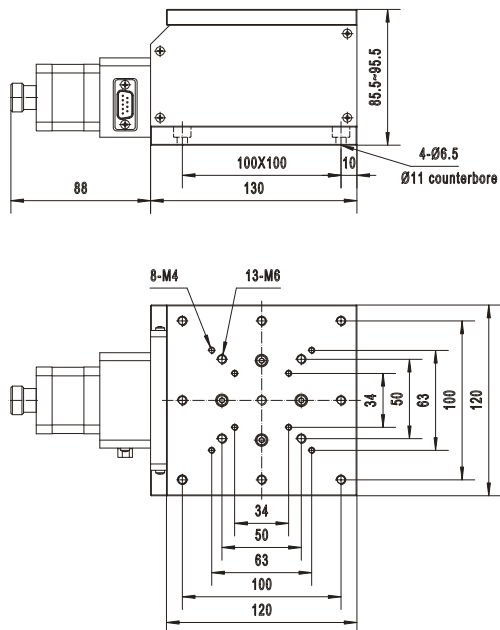


Diagram: :

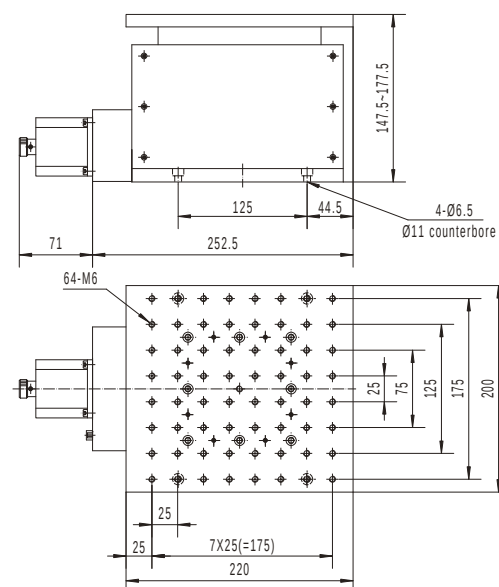


Drawing:

KSAV1010-ZF



KSAV2030-ZF



KSAXxx-Z High Precision Motorized Vertical Stage

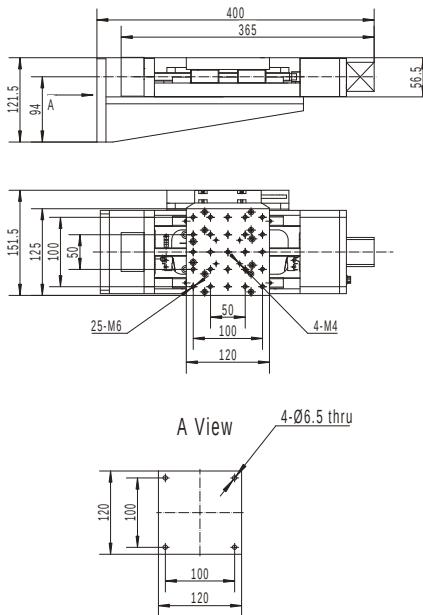
Specification:

KSAXxx-Z is designed on the basis of KSAXxx-11/12-X and used in vertical direction. All the specification are the same with KSAXXX-11/12/13-X except load capacity and moving direction.

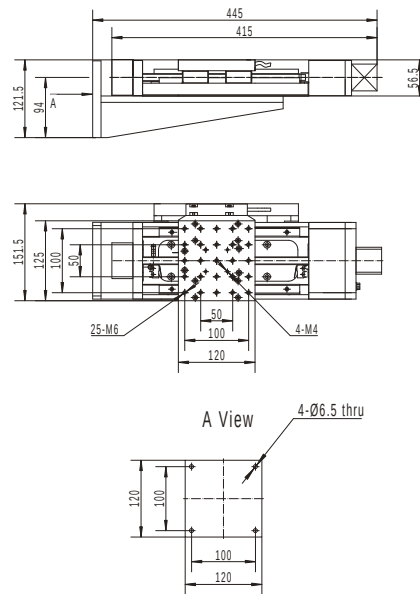


Drawing:

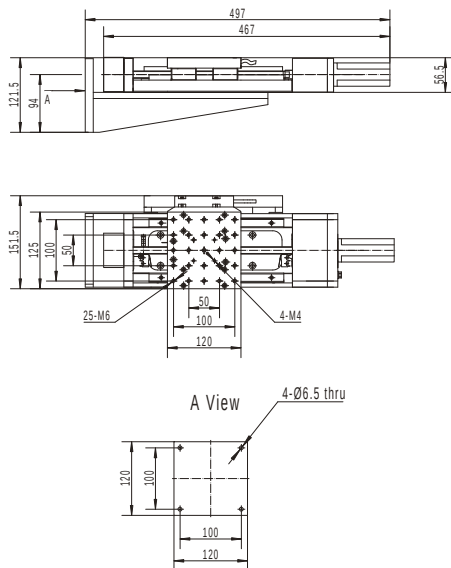
KSA050-12-Z ▼



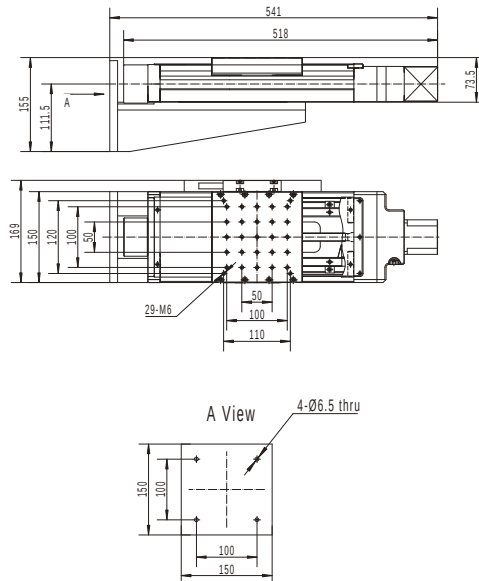
KSA100-11/12-Z ▼



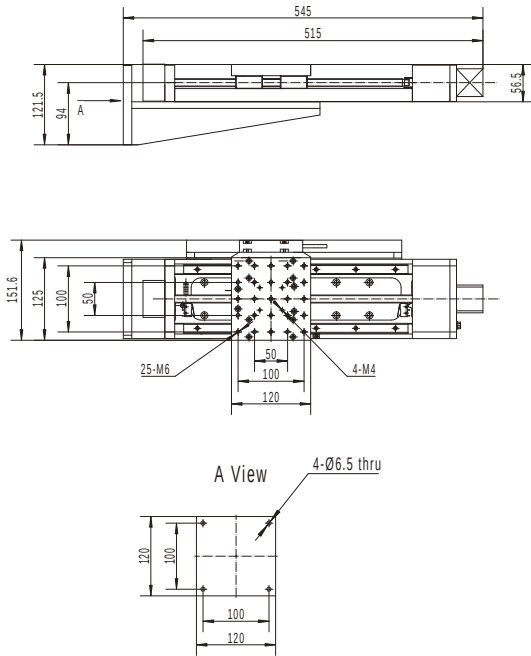
KSA100-11AS-Z ▼



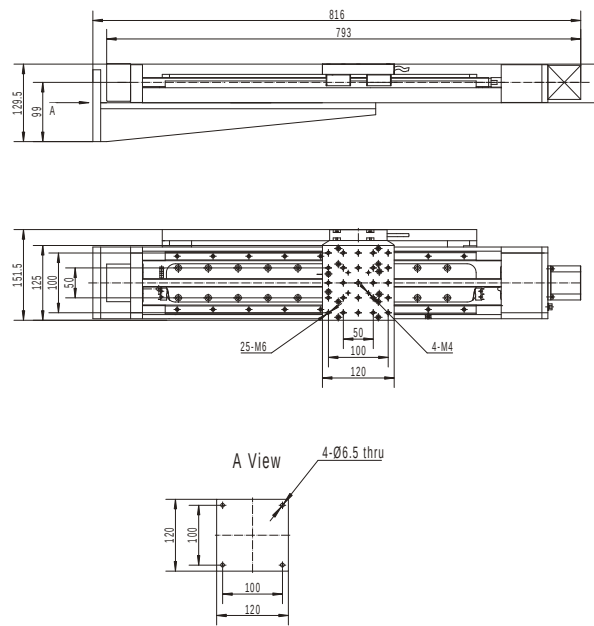
KSA100-13-Z ▼



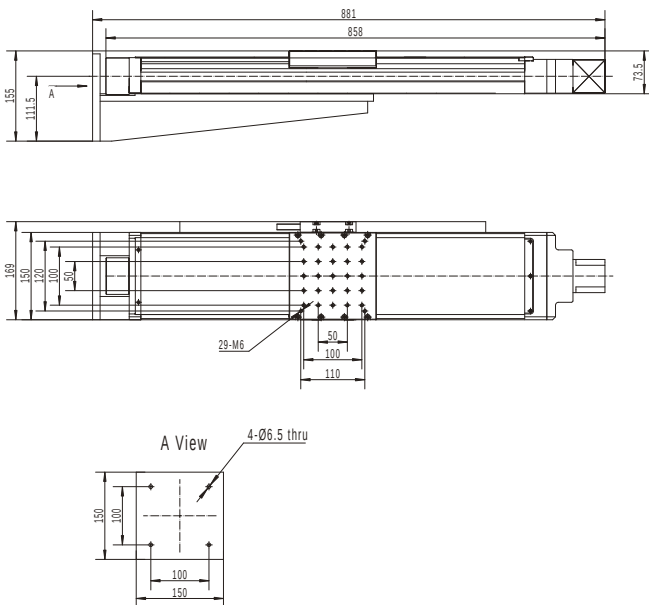
KSA200-11-Z ▼



KSA400-12-Z ▼



KSA400-13-Z ▼



PSAXXX-11-Z Stepper Motor, Precision Linear Stage Application for Industry

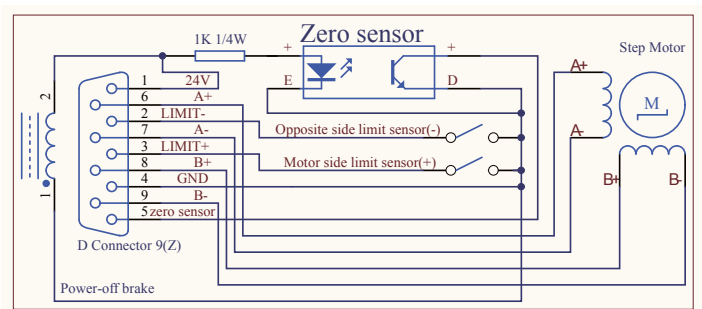


Model Sheet:

Model	PSA050-11-Z	PSA100-11-Z	PSA150-11-Z	PSA200-11-Z	PSA300-11-Z	PSA400-11-Z
Load (Kg)	5				10	
Max Speed (mm/s)	40				50	

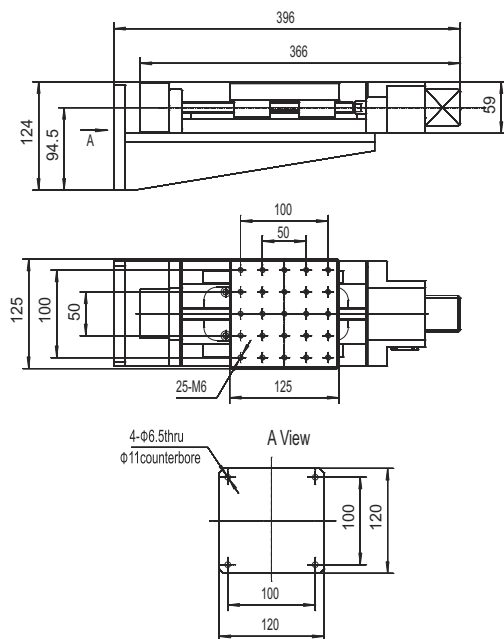
other specification is the same with PSAxxx-11-X

Diagram:

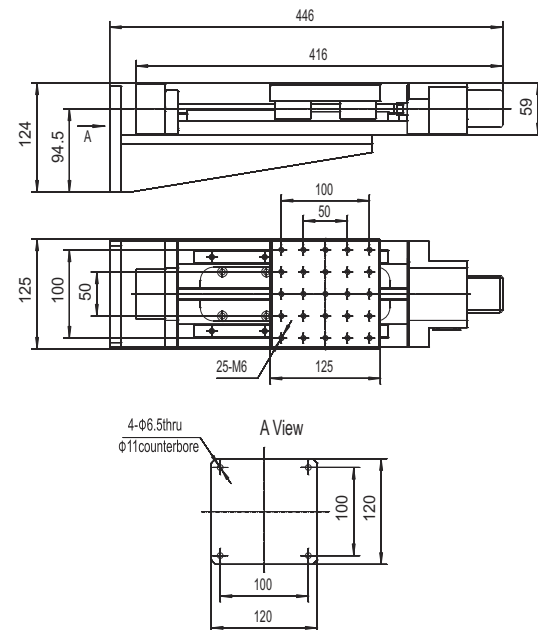


Drawing:

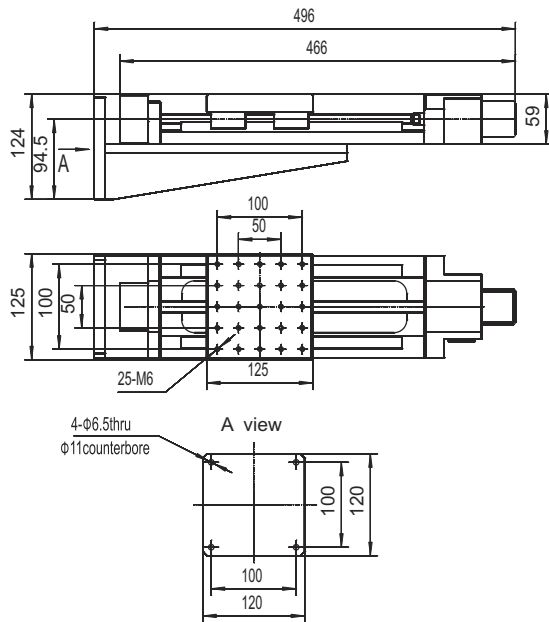
PSA050-11-Z ▼



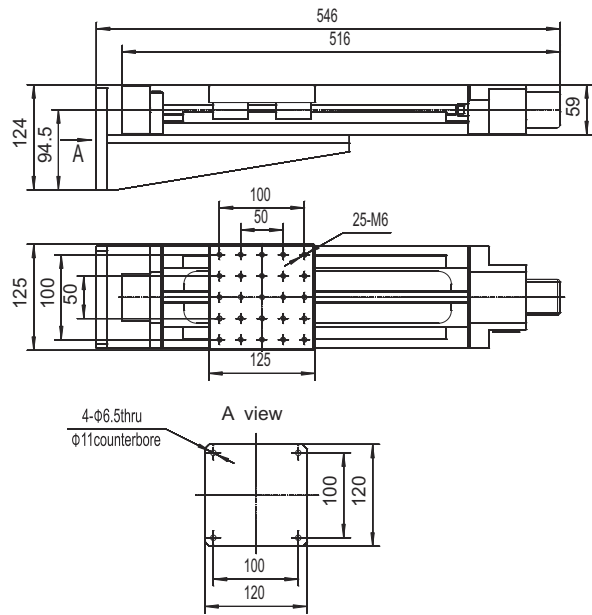
PSA100-11-Z ▼



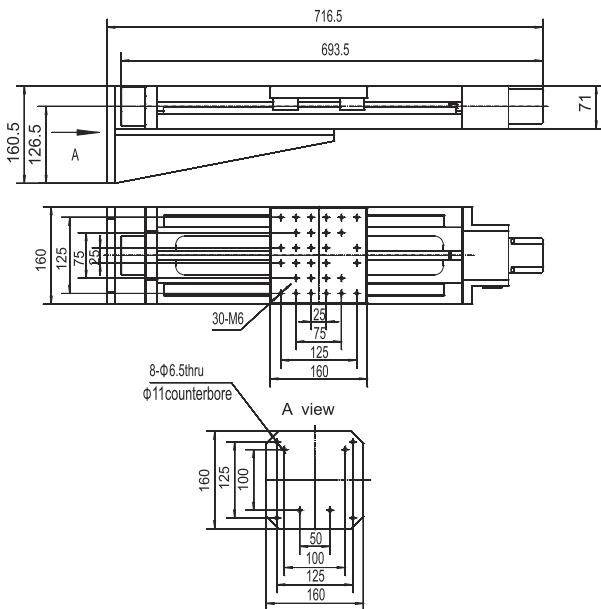
PSA150-11-Z ▼



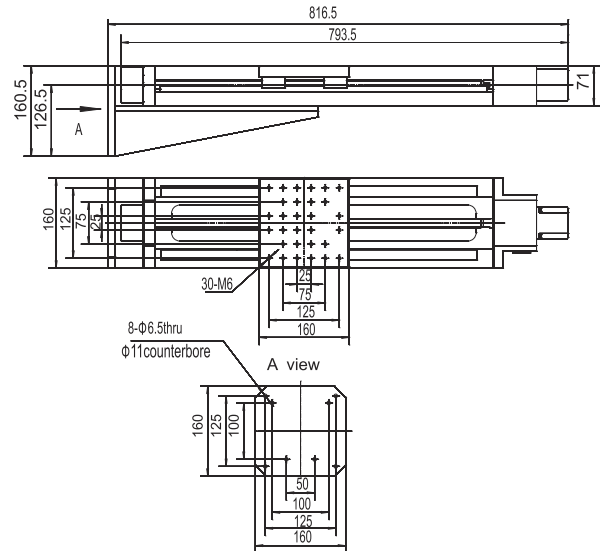
PSA200-11-Z ▼



PSA300-11-Z ▼



PSA400-11-Z ▼



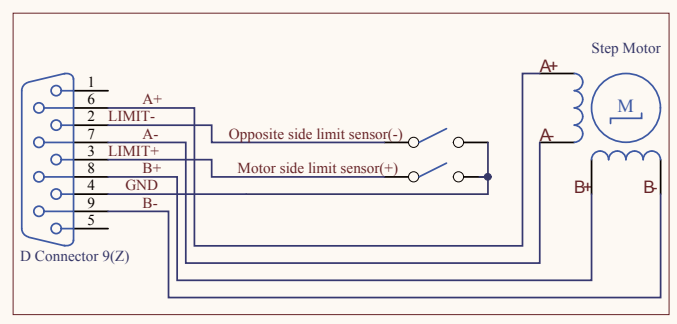
PSAV Series High Precision Motorized Vertical Stages



Model Sheet:

Model	PSAV30-ZF	PSAV100-ZF
Table size(mm)	238 × 238	238 × 238
Min Height(mm)	238	308
Travel (mm)	30	100
Pitch(mm)	4	
Resolution of 8 sub-division (μm)	0.24	
Worm Gear Ratio	21:2	
Max Speed(mm/sec)	3.8	
Stepper Motor (angle)	57(1.8°)	
Load Capacity(Kg)	80	

Diagram :



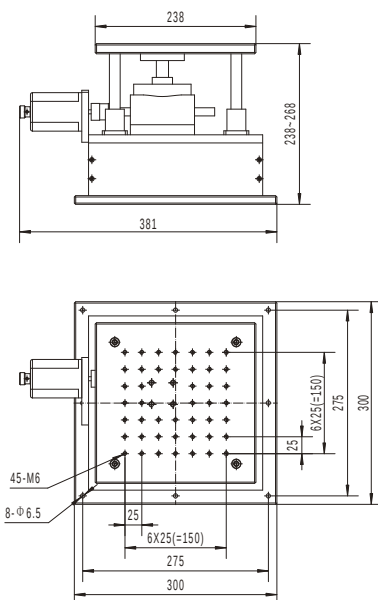
Related Products:

SC300 Controller

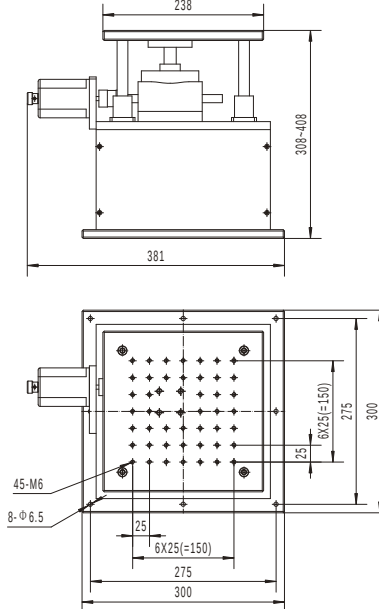


Drawing:

PSAV30-ZF



PSAV100-ZF



Motorized Rotation Stages

Selection Guide

Series	Table Size(mm)	Resolution	Max Speed(Deg./seg)	Load Capacity(Kg)	Motor
RAuK Series Ultra-High Precision Motorized Rotation Stages	100/200	1.2-1.8"	25	30/50	Stepper Motor
RAK Series High Precision Motorized Rotation Stages	100/200/350	0.00125°	25	30/50/100	
RAP Series Precision Motorized Rotation Stages	100/125/200/220	0.00125°	25	30-50	
RSA Series Motorized Rotation Stages	60/100/200/300/400	0.0025°	50	30/50/60/80	

Motorized Linear Stages

Motorized Vertical Stages

Motorized Rotation Stages

Motorized Goniometers

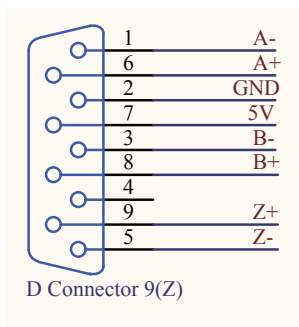
Combinated Stages

Cotrollers

Circular grating encoder

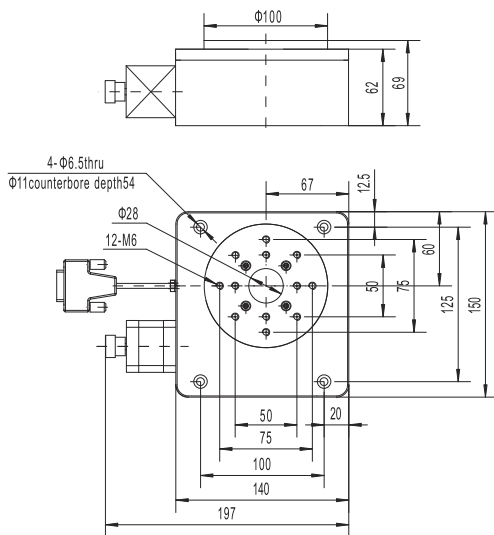


Grating Diagram: :

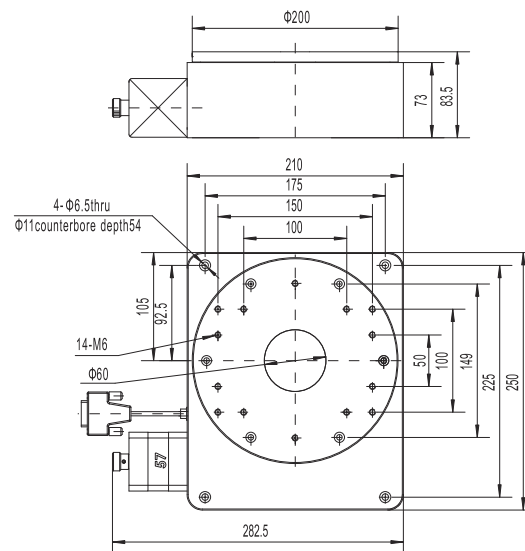


Drawing:

RAuK100 ▼



RAuK200 ▼



RAK Series High Precision Motorized Rotation Stage



Model Sheet:

Model	RAK100	RAK200	RAK350
Worm Gear Ratio	180: 1		
Material	AL		
Stepper Motor	42(1.8°)	57(1.8°)	57(1.8°)
Max. Center Load(Kg)	30	50	100
Resolution(°)	0.00125	0.00125	0.0007
Repeatability(°)	0.005	0.005	0.003
Radial Runout(um)	<15	<10	<20
Axial Runout (um)	<15	<10	<20
Max. Speed(° /Sec.)	25	25	14
Current (A)	1.7	2.4	100
Load Capacity(Kg)	30	50	100

Combined Products

SC300 Controller

TMC Controller



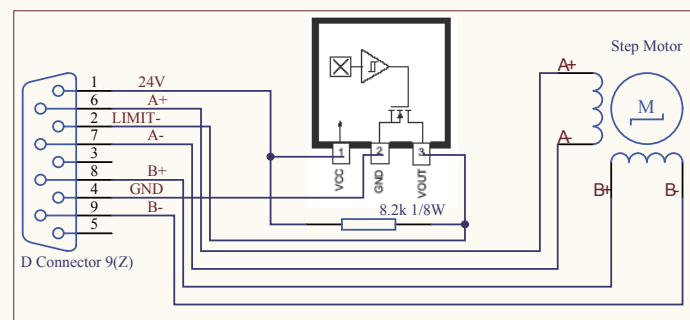
Application:

Satellite Tracking System

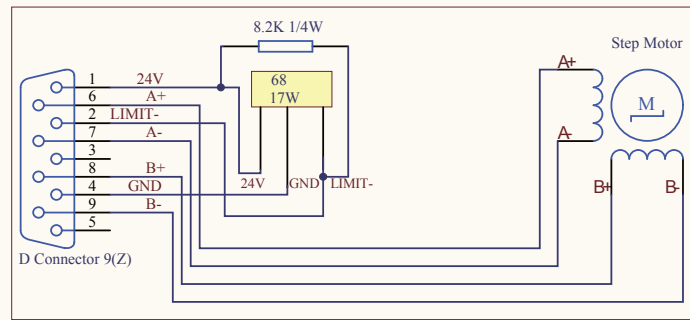


Diagram:: It will stop when it come across zero switch (unclockwise)

RAK100 ▼

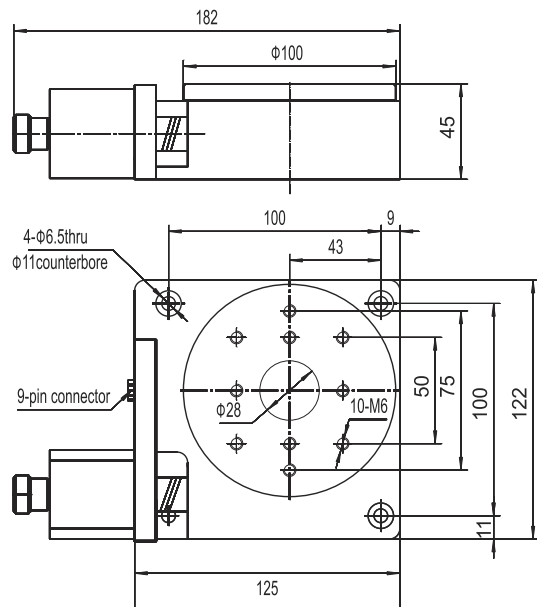


RAK200/350 ▼

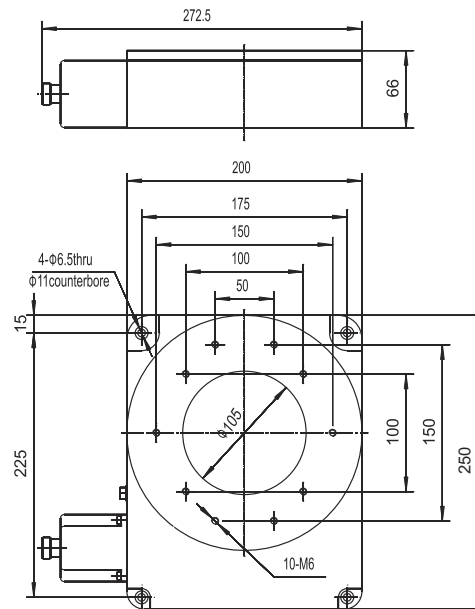


Drawing:

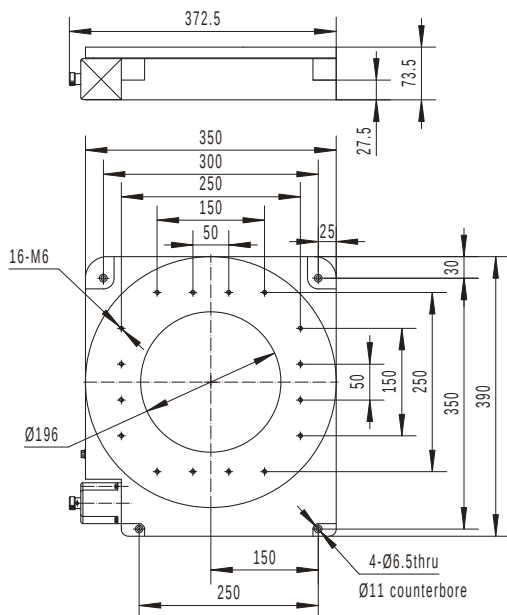
RAK100 ▼



RAK200 ▼



RAK350 ▼



RAP Series Precision Motorized Rotation Stage



Related Products:

SC300 Controller

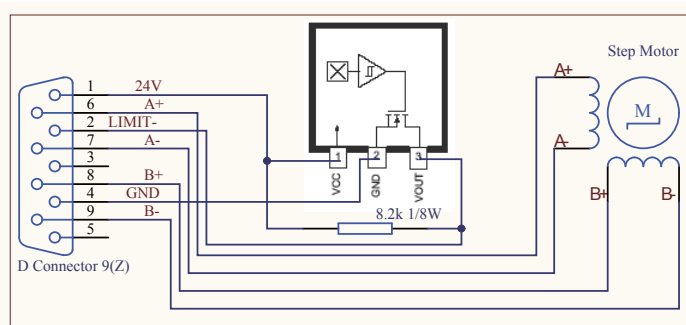


Model Sheet:

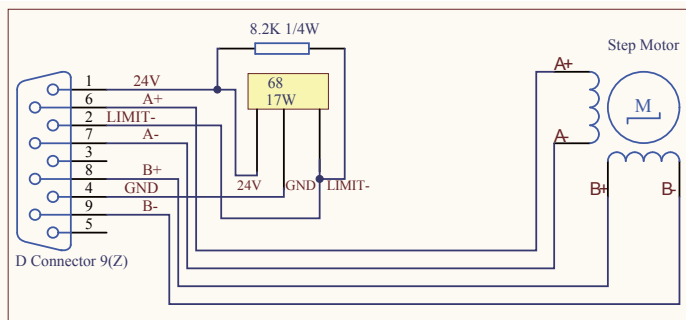
Model	RAP100	RAP125	RAP200	RAP220
Base Material	Al			
Worm and Gear Ratio	180:1			
Resolution (°)	0.00125			
Max Speed(° /sec)	25			
Repeatability(°)	<0.005			
Radial Runout(um)	<20		<25	
Axial Runout(um)	<20		<25	
Stepper Motor(Angle)	42(1.8°)		57(1.8°)	
Current(A)	1.7		2.4	
Load Capacity(Kg)	30		50	
Weight (Kg)	2	2.4	7.5	7.5

Diagram:: It will stop when it comes across zero switch (unclockwise)

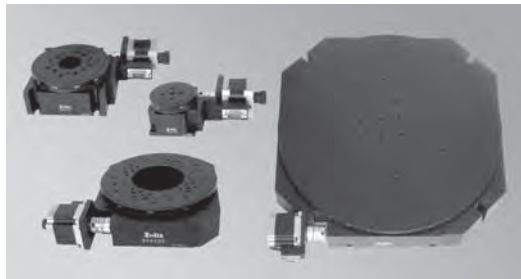
RAP100/125 ▼



RAP200/220 ▼



RSA Series Motorized Rotation Stages



Related

SC300 Controller



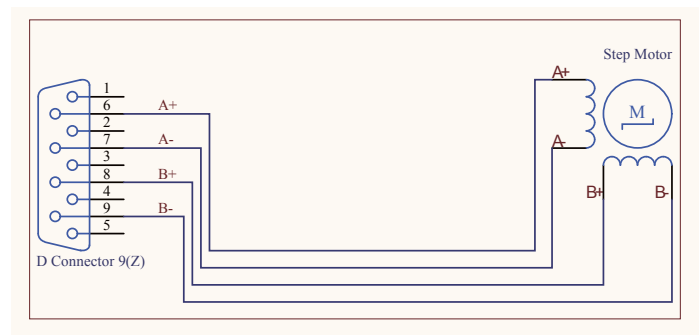
Products:



Model Sheet:

Model	RSA60	RSA100	RSA200	RSA400
Worm and Gear Ratio	90: 1	180: 1	720: 1	720: 1
Resolution (8 subdivision)(μm)	0.0025	0.00125	0.0003125	0.0003125
Max Speed(Deg./sec)	50	25	5	5
Repeatability (μm)	< 0.01	< 0.005	< 0.003	< 0.003
Stepper Motor(Angle)	42(1.8°)		57(1.8°)	
Current(A)	1.7		2.4	
Max Load(Kg)	30	50	60	80
Weight (Kg)	1	1.54	7.7	19.75

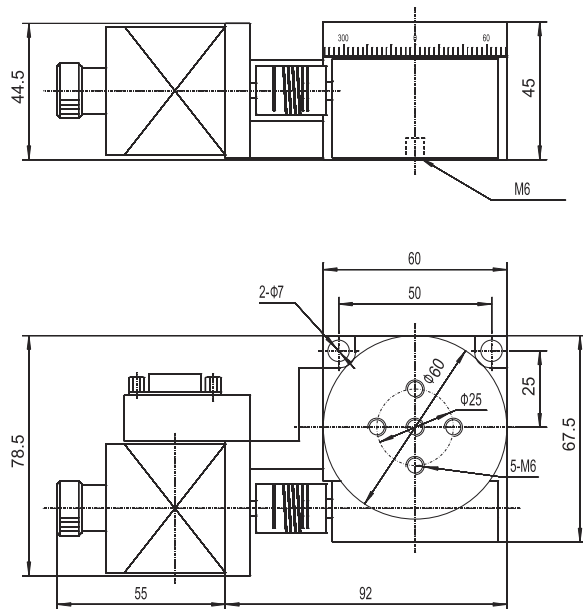
Diagram: :



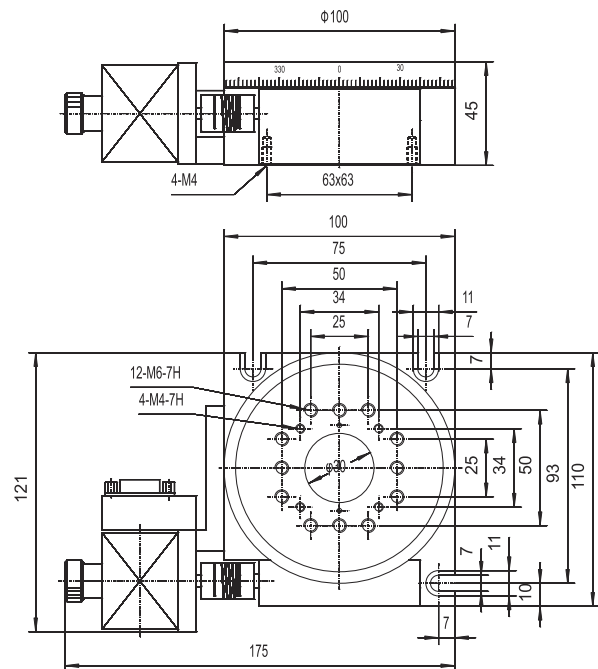
Attention: RSA series donot have home switch.

Drawing:

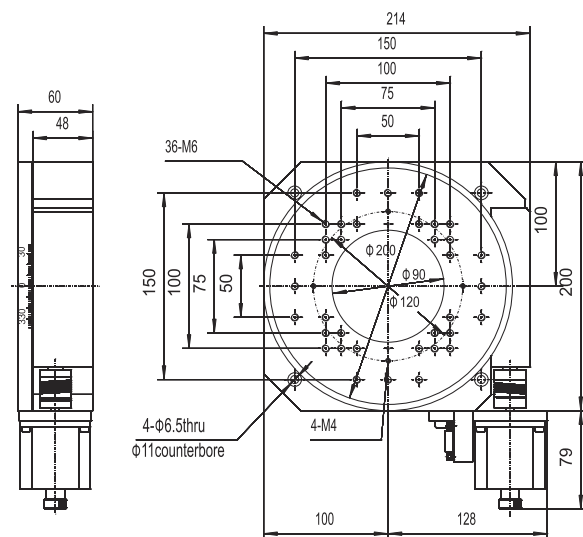
RSA60 ▼



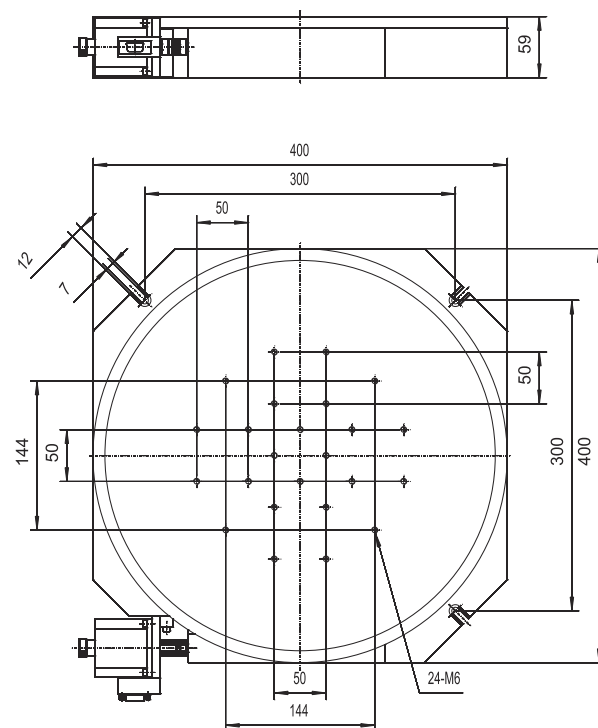
RSA100 ▼



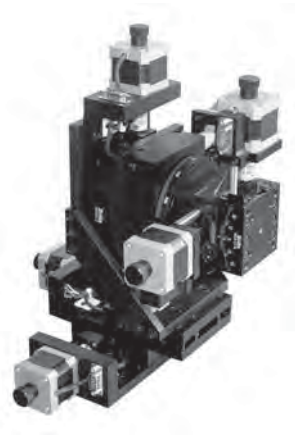
RSA200 ▼



RSA400 ▼



Integration&Customize System



6 Axes System



Satellite Tracking System



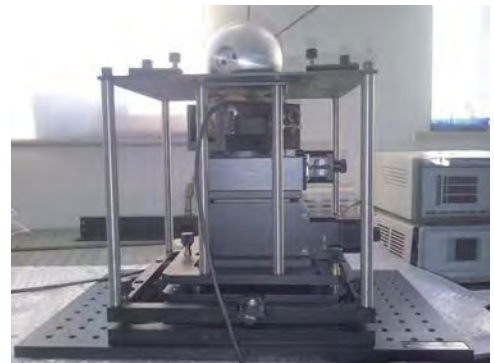
Motorized Gimbal System(Large Size Mirror)



Scanning System



Motorized Mount



Si Scanning System

Motorized Goniometer Stages

PSAG Series High Precision Motorized Goniometer



Model Sheet:

Model	PSAG15-250	PSAG15-370
Angle(°)	± 15	± 15
Table Dimension (mm)	250×250	340×250
Height of Axis (mm)	250	370
Guide	Arc	
Worm Gear Ratio	610:1	870:1
Resolution (8 subdivision) (°)	0.00037	0.00026
Stepper Motor	57(1.8)	
Working Current (A)	2.4	
Max Center Load (Kg)	50	

Related Products:

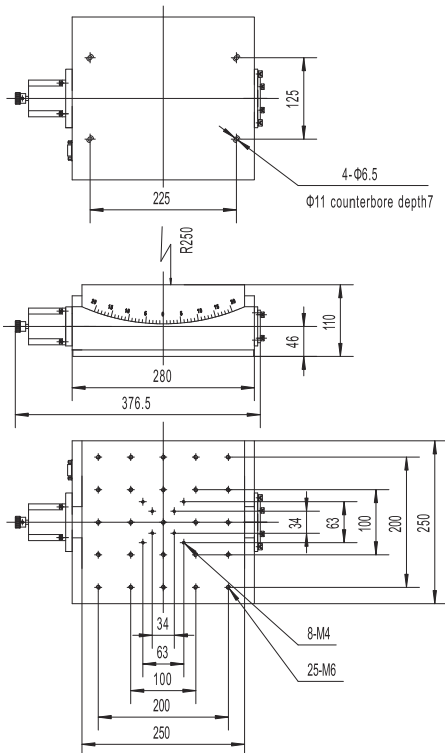
SC300 Controller

TMC Controller

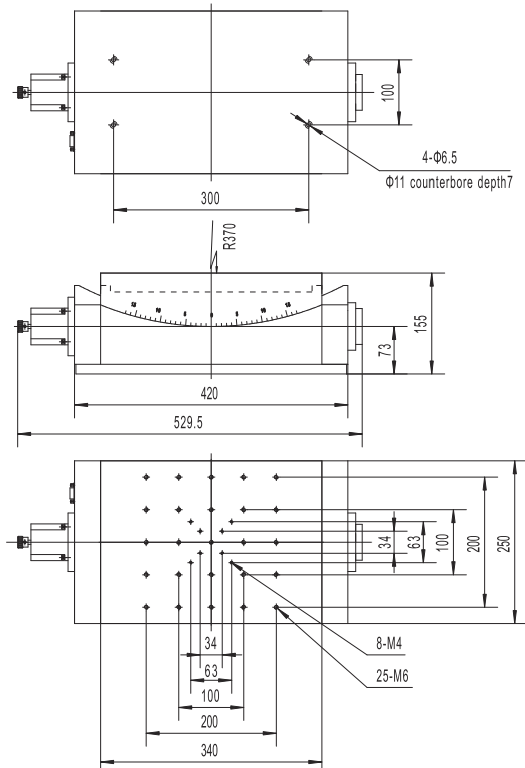


Drawing:

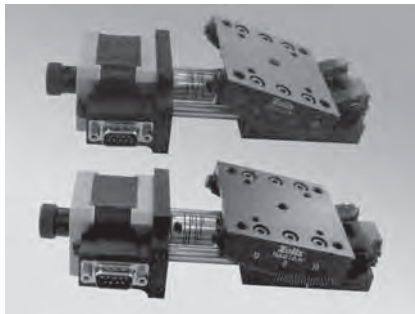
PSAG15-250 ▼



PSAG15-370 ▼



TSAG Series Precision Motorized Goniometer



Model Sheet:

Model	TSAG10-W	TSAG15-W
Travel(mm)	$\pm 10^\circ$	$\pm 15^\circ$
Table Size	65 x 65	
Guides	Arc Guide	
Transmission Ratio	352:1	252:1
Resolution(8 sub-division) (μm)	0.00032°	0.00045°
Repeatability (μm)	0.0043°	0.0047°
Stepper Motor	42(0.9°)	
Working Current(A)	1.7	
Max. Center Load(Kg)	4	
Height of axis(mm)	75	70
Weight(Kg)	0.75	

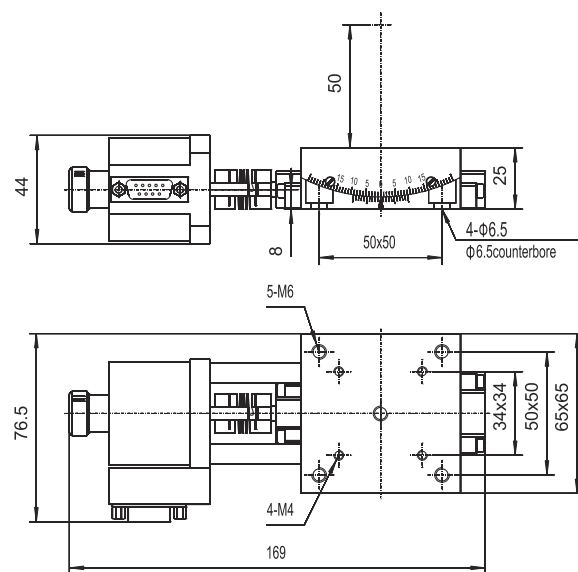
Related Products:

SC300 Controller

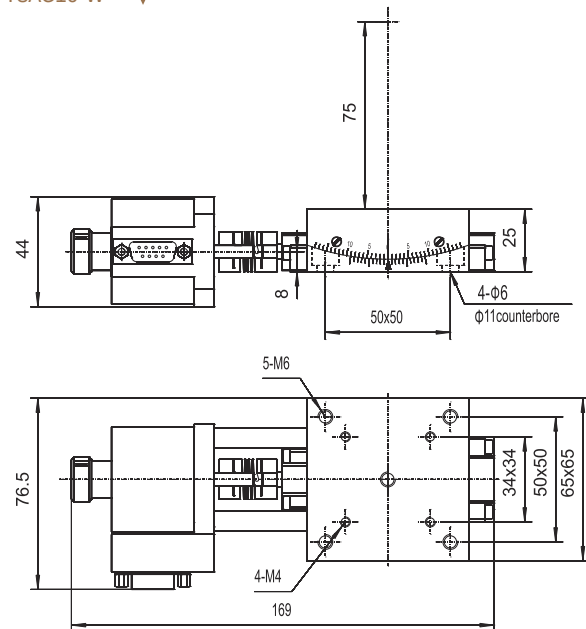


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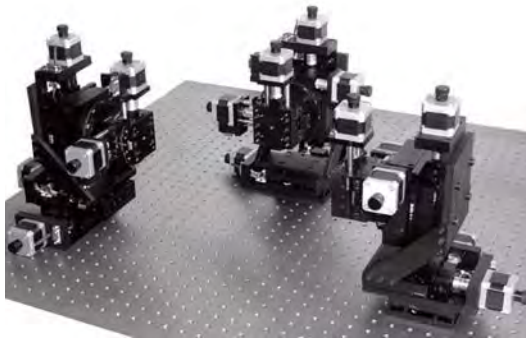
TSAG15-W ▼



TSAG10-W ▼



Integrated&Customize System



Three Way Laser Welding System



Laser Alignment System(motorized 8 axis and manual 4 axis)



Multi-axis High Load System
Translation,Rotation,Goniometer of X
Axes,High Load(80Kg) Very Flexible
for configuration: Add the vertical of Y
and Z axes. Application for : Multi-axis
adjustment, high load, high accuracy.



Multi-axis High Load System Application:
High load, Large Travel,Multi-axes
adjustment.



Visual Analogue System uKSA/KSA/PSA/
TSA+RAuK/RAK/RSa+SC300/MC600
Application:Scanning/Tracking



Interference Microscope System



High Load System(3 axis)



High Load System(5 axis)

Motorized Linear Stages

Motorized Vertical Stages

Motorized Rotation Stages

Motorized Goniometers

Combinated Stages

Cotrollers

Motion Controllers

MC600 Controller

Many years of precision mechanical design, fabrication and motion control experience and expertise, Zolix has developed an extensive catalog of motorized positioning and motion control products. From integrated OEM motion systems used by leading semiconductor equipment manufacturers for wafer inspection,

MC600 includes 3 sub-division :

- 2 phase stepper motor :MC600-2B/4B
- 3 phase stepper motor :MC6003P-2B/4B
- panasonic AC servo-motor controller :
servo-motor high cost, large size,we divide into control cabinet MC600ASP and drive cabinet ASP-XXXX.
- control cabinet is universal product,
drive cabinet includes from 1 to 4 axis
product,different servo-motor 100W or 200W,divide below models

Nubers of axis	Model	Specification
1 axis	ASP-1000	100W
	ASP-2000	200W
2 axes	ASP-1100	100W
	ASP-1200	One Axis:100W,another is 200W
	ASP-2200	200W
3 axes	ASP-1110	100W
	ASP-1120	One Axis: 200w,others is 100W
	ASP-1220	One Axis:100w,others is 200W
	ASP-2220	200W
4 axes	ASP-1111	100W
	ASP-1112	One Axis: 200w,others is 100W
	ASP-1122	Two axes :200W,two axes is 100W
	ASP-1222	One Axis: 100w,others is 200W
	ASP-2222	200W

MC series is a multi-functions product,used to measuring and position controlling ,excellent quality and high cost performance. MC 600 achieve point to point (control 4 axis or 2 axis) of translation and rotation and goinometers stages.equipped with stepping motor drive or swap-actuaor driver .Aboundant parameters,flexible online communication commands ,make the system easier and more effectiveness, can achieve the linear interporlation of 3 axis and the circle interporlation of 2 axis.

Characteristic :

This system adopted 32 bits DSP processors,achieved high precision control of high arithmetics,the closed-loop control of digital PID ensure deceleration or acceleration of accuracy and position control ;stepping motor drive achieve 128 sub-division,ensure stable ability of low speed stepping positional repeatability

The use of servomotor meet the indication of high speed motion.

■Two models :inching and increment

◆Inching:quickly locate to target ,accelerate process of experiment

◆Increment:suitable for postional locating applications

■Meet to the combination control of many motoried stages and rotation stages

◆Angle value:display of angle displacement

◆Mm unit:display of linear displacement(motorized linear displacement stages

■Four axes have closed-loop control function (achieve by grating ruler/rotation encoder external

■Make the adjustment of positon and position accuration

■The accuracy of position system is depend on accuracy of grating ruler and encoder

■Decided the speed of return original,initial speed constant speed and accelerate speed and software position limit ,suitable for different control;For example:the system need limit response time,set up larger original or accelerate speed ;system need stable motion,light force,set up small original or accelerate speed ;system need constant speed can choose constant motion model

Set up any postion as the working origion

■The design of zero simple operation ,composited photonic sensor combine with posiiton arimethic,increase the accuracy of the physical zero

■Read logical position,real position ,driver speed,accelerate speed all the time in motion etc status parameters

■16 road I/O set up output exter or trigger output by program.when I/O is input internal,as stop motion or signal of operate special processing

■When I/O is input I/O as the interface hardware of monitor device status

■Achieve indication of motion control by zolix MC antivex. additionally ,finishing simple programme by MC control software,set up motion parameters and location parameters conveniently

- Compare with self-made, reducing workload
 - Display surface of 240x128 lattice LCD, abundant content, the design of style of menu .is easy to set up parameter
 - ◆ Multi-menu function, convenient for set up parameter
 - ◆ Display the parameter of x y z t axes simultaneously
 - ◆ Choose different model of operating
 - ◆ Display measure units
 - Store the parameter ,non- loss electric, simple operating process
- Lead mechanism of translation .radius of rotation and motion

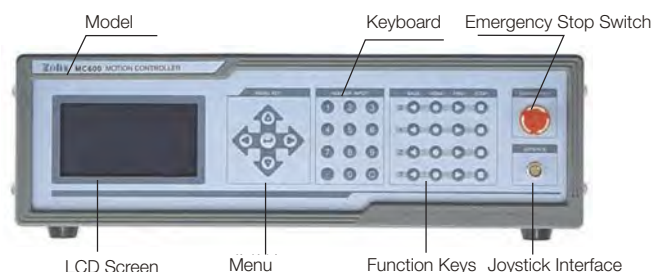
parameter is set up , can memory, avoid the reset parameter when open and close PC, avoiding the error from artificial.

- Joy stick achieve manual scanning of three directions and target tracing., flexible control, it achieve manual control by yaw, pitch, tilt ,clickwise rotation, convenient for remote prelocate and range scanning, the speed of joy stick have plus and minus total 8 achieve switch by tilt angle of rotation and stop time. convenient and flexible

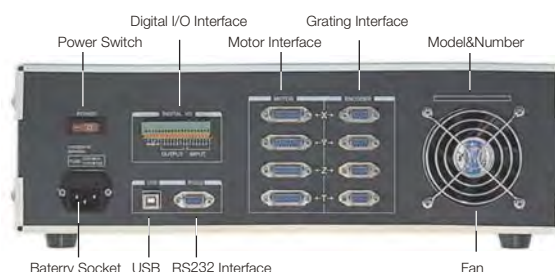


MC600 can operate by SD card:

前面板指示图:



后面板指示图:



Model Sheet:

Model	MC600-4B	MC600-2B	MC6003PB	MC6003P-2B	MC600ASP+ASP-XXXX
Indication	4 axes 2 phase stepper motor	2 axes2 phase stepper motor	4 axes 3 phase stepper motor	2 axes3phase stepper motor	Servo-motor cabinet+servo-motor drive cabinet
Motor control	2 phase stepper motor(24V,3.5Amax)		3 phase stepper motor(24V,5.8 A max		Panasonic AC servo-motor (220V,200W max)
	Open or closed-loop control				
	300kHz pulse frequency				2mHzpulse frequency
	128 sub-division max		51200 max,numbers of pulse		1048576max
Motion control	32 digital, 150Mhz DSP controller				
	PID servo control				
	Terraced speed adjust				
	Point to point,synchronous or dy synchronous motion				
	Inching and increment				
	3 axes linear interpolation , 2 axes circle interpolation				
Output trigger	Open collector output				
Sensor	Zero switch,left and right limited switches				
Option	Joystick				
software	ZolixMC600 software				
	MC600 control software				
Interface	RS-232,USB2.0				
I/O	16 digital programmable TTL I/O				
Memory	512KB flash non-volatile firmware				
Display pannel	LCD,240X128,105X56MM				
Power	115/220V,60/50Hz,400W(max)				
Size	440x395x145mm				
Weight	4.5Kg				

SC300 Controller



SC300 series stepper motor box is a integrated system of 1-3 axis point to point location target ,particular to translation and rotation stages. equipped with stepper motor drive ,strong control function ,control panel achieve man-machnne design,operate stages without PC,providing RS232 interface,users can control by zolix motion manager stages software;program by communication protocol or OCS activex.,control the whole stage by SC300

Specification

- Power voltage:220V/50HZ
- Numbers of axis:1-3 axis (each axis has separate function key ,directly control axes)
- Motor and driving:2 phase stepper motor
- Subdivision
SC300A:2,4,8,16,32,64
SC300B:2,4,8,16,32,64,128
- Pulse speed:400PPS-18KPPS
- RS232 standard interface
- Acceleration deceleration model :triangle or terranced
- 8 untis lead display
- Appreance size :365X132X360
- Weight:6Kg

SC300 Model Sheet

SC300-1A	1 axis 42 stepper motor controller(64 sub-division max)
SC300-2A	2 axes 42 stepper motor controller(64 sub-division max)
SC300-3A	3 axes 42 stepper motor controller(64 sub-division max)
SC300-1B	1 axis 57stepper motor controller(128 sub-division max)
SC300-2B	2 axes 57stepper motor controller(128 sub-division max)
SC300-3B	3 axes 57stepper motor controller(128 sub-division max)

SC3003P Model Sheet

SC3003P-1B	1 axis three phase stepper motor
SC3003P-2B	2 axes three phase stepper motor
SC3003P-3B	3 axes three phase stepper motor

HC-100 single axis stepper motor controller by hand



HC-100 is Simple and Robust function motion controller ,low price,outstanding performance,continuous adjust speed, In the single-step operation and can run continuously switch between the built-in high-performance stepper motor drive to support high number of segments (256 segments), support a variety of 2-phase stepper motor, the maximum current of 3.5A, detailed details , please contact us.

Model Sheet

Model	HC-100(2 phase stepper motor)	HC3P-100(3 phase stepper motor)
Frequency	5KHz max	
Power	AC220V change to DC24V power adaptor	
Motion mode	Continous mode, single step both can change	
Current	3.5A MAX	5.8A MAX
Division	128 max	51200 pulse /turn
Size(mm)	112×62×158	152×75×160

Motorized Linear Stages

Motorized Vertical Stages

Motorized Rotation Stages

Motorized Goniometers

Combinated Stages

Controllers