

Motorized Precision Stages

KSA series high precision motorized stages (including translation stages and vertical stages)

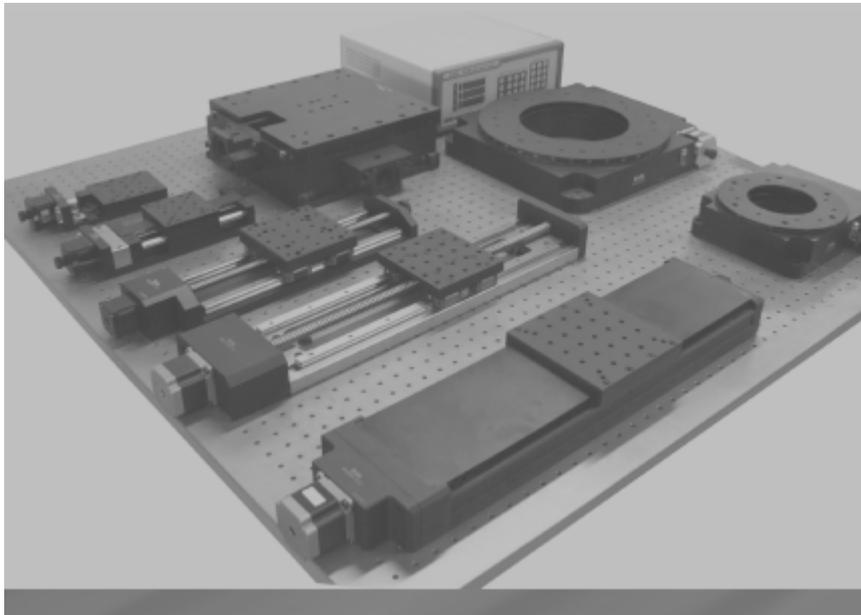
PSA series motorized stages (including translation stages and vertical stages)

TSA series motorized translation stages

TSAG-W motorized goniometers

RAK series high precision motorized rotation stages

RSA series motorized rotation stages



KSA xxx-11/12 series high-precision motorized translation stages has adopted new structure and crafts ;.Application for motion fields which needs high linearity.For example :femtosecond laser experiment, laser processing,three-dimensional scanning measured system and so on.



■ Product characteristic

- ◆ High-precision ball screw, ultra-precision linear slide ,ensure the accuracy and linearity of motion; Besides, outsourcing units are all international famous brand.
- ◆ The key and main self-made parts have high processing accuracy by ultra-precision processing.
- ◆ Strictly, unique assembly process ,ensure consistency of the product performance .
- ◆ The design of the limited switches and zero switch ensure safety .
- ◆ Achieve closed-loop by import grating combinate with MC600 controller.

■ Specification

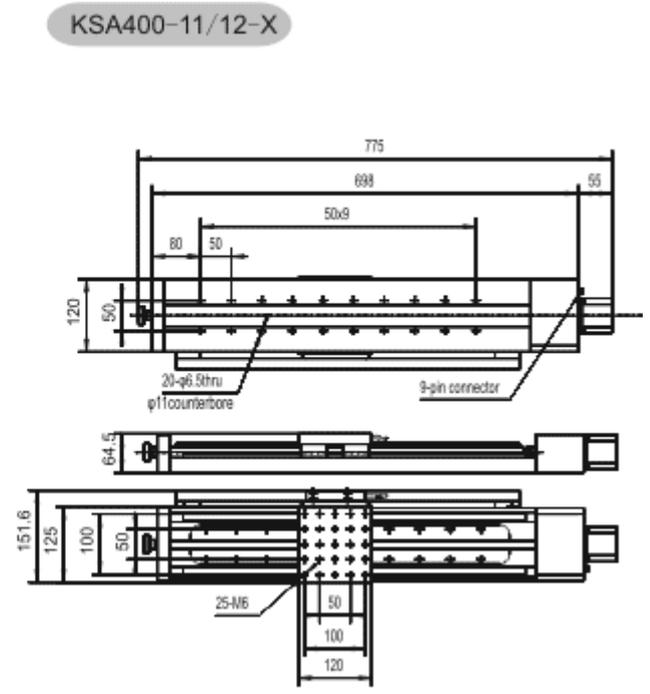
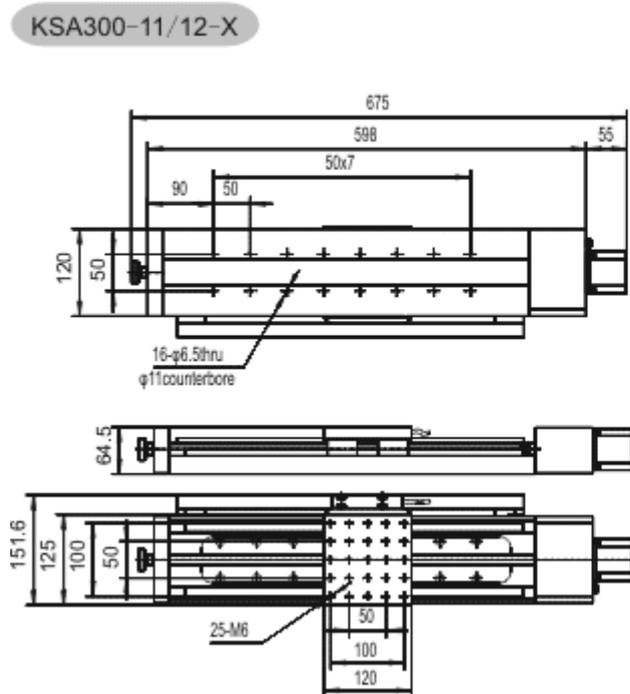
Model	KS A05 0-11 /12- X	KSA100-11/ 12-X	KSA150-11/ 12-X	KSA200-11/ 12-X	KSA300-11/ 12-X	KSA400-11/ 12-X
Travel range(mm)	50	100	150	200	300	400
Lead mechanism	4					5
Closed-loop resolution(μm)	1					
Open-loop resolution(μm)	2.5					3.125
Max speed(mm/sec)	40					50
Repeatability(μm)	<3					
Backlash (μm)	<5					
Yaw (")	<15		<20		<25	<30
Pitch (")	<15		<20		<25	<30
Straightness(μm)	10		12		15	20
Flatness (μm)	10		12		15	20
Stepper motor(angle)	42BYGH (1.8°)				57 BYGH (1.8°)	
Working current(A)	1.7				2.4	
Center Load(kg)	30				50	

■ **Highlight:** 11 series base adopts high-quality aluminum alloy ,12 series base adopts alloy steel ,suitable for group-dimension and vacuum.

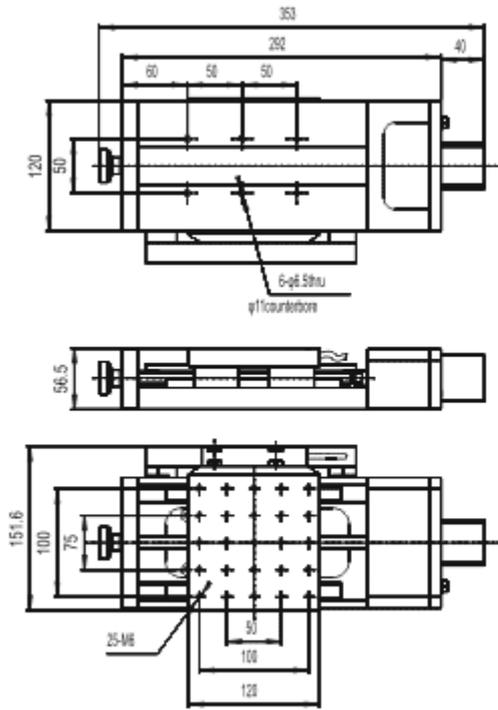
■ **Related products**

- ◆ 42,57 stepper motors;
- ◆ Special data wire;
- ◆ Motorized translation stages controller;

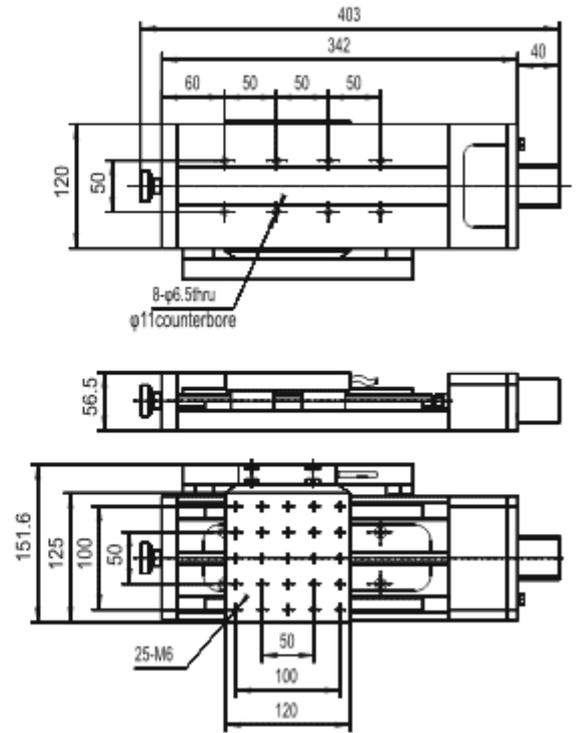
The drawings are below :



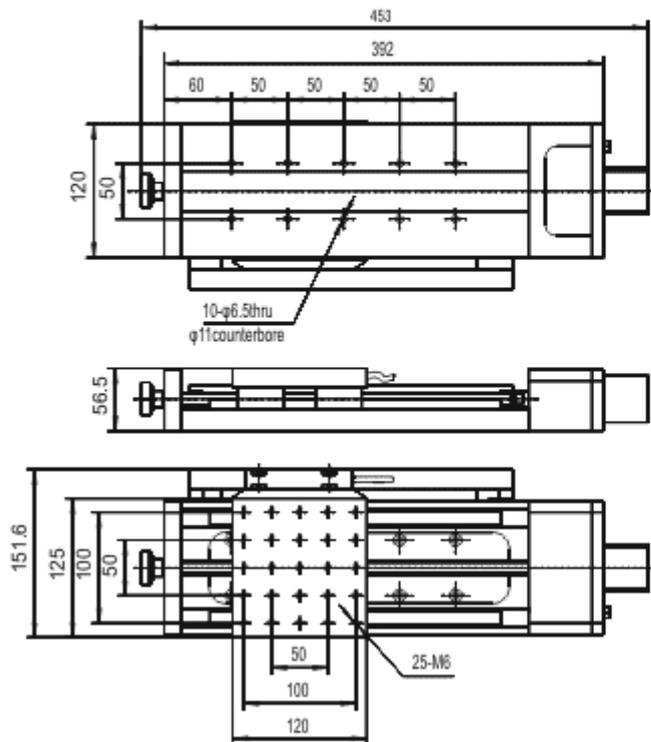
KSA050-11/12-X



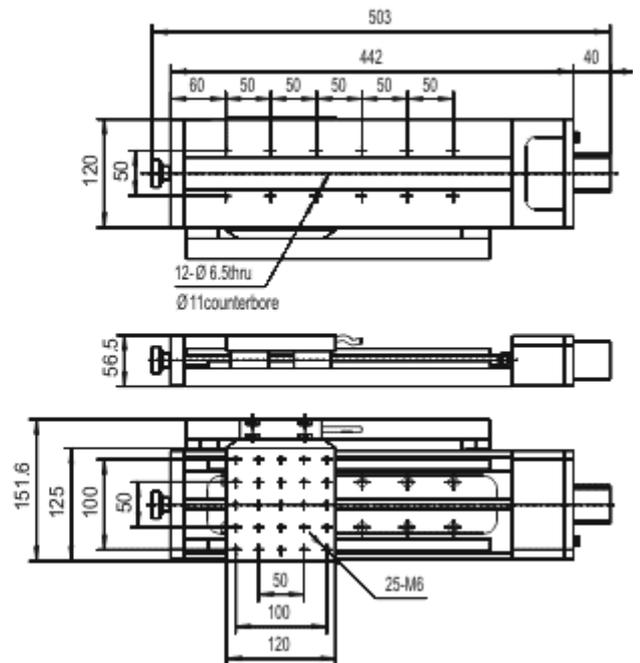
KSA100-11/12-X



KSA150-11/12-X



KSA200-11/12-X



KSAxxx-13-X series precision motorized translation stages

This series is developed for industrial customers, the base has adopted u-shaped new construction and super-rigid, special for high-load and group-dimension. Elastic gasket ensure sealing of motion. The key index is up to the international level of similar products by rigid inspection. Equipped with 1 μ m resolution of import grating (according to customers's different requirements, we can change higher resolution).



Product characteristic

- ◆ Combined with MC600 series controller, achieve closed-loop.
- ◆ High precision ball screw, ultra-precision linear slide, ensure the accuracy and linearity of motion.
- ◆ The key and main self-made parts have adopted ultra-precision processing.
- ◆ Strictly, unique assembly process, ensure consistency of the product performance.
- ◆ The design of the limited switches and zero switch ensure safety.

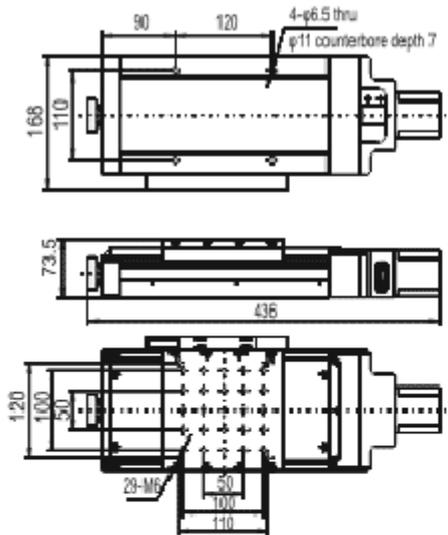
Specification

Model	KSA05 0-13-X	KSA100-13- X	KSA200-13- X	KSA300-13- X	KSA400-13- X
Travel range (mm)	50	100	200	300	400
Lead mechanism (mm)	4				5
Closed-loop resolution (μ m)	1				
Open-loop resolution (μ m)	2.5				3.125
Max speed (mm/sec)	40				50
Repeatability (μ m)	<3				
Backlash (μ m)	<5				
Yaw (")	<15		<20	<25	<30
Pitch (")	<15		<25	<30	<40
Straightness (μ m)	10		12	15	20
Flatness (μ m)	10		12	15	20
Stepper motor (angle)	42BYGH (1.8°)			57BYGH (1.8°)	
Working current (A)	1.7		2.4		

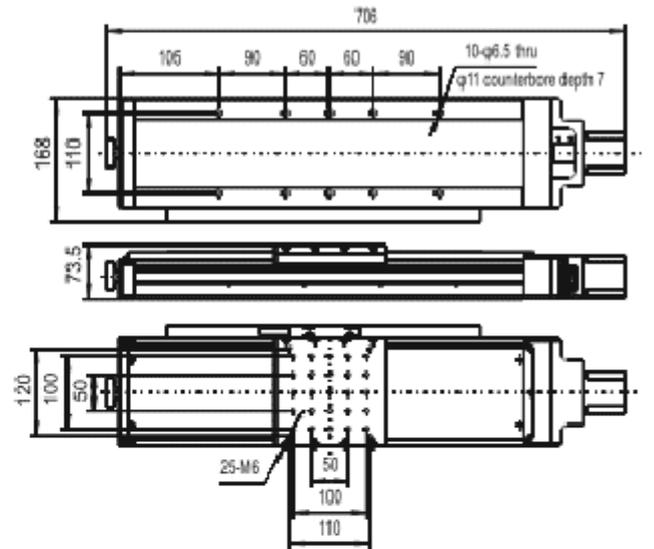
Highlight

Accept customized, please contact us. **Related products:** ◆ 42, 57 stepper motor; ◆ Special data wire; ◆ Motorized translation stages controller;

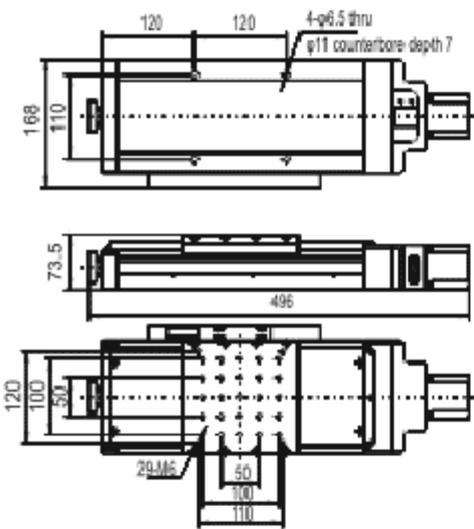
KSA050-13-X



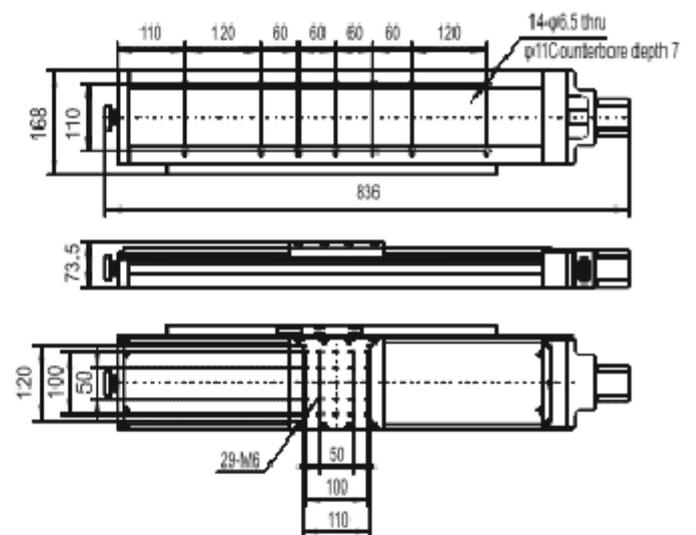
KSA300-13-X



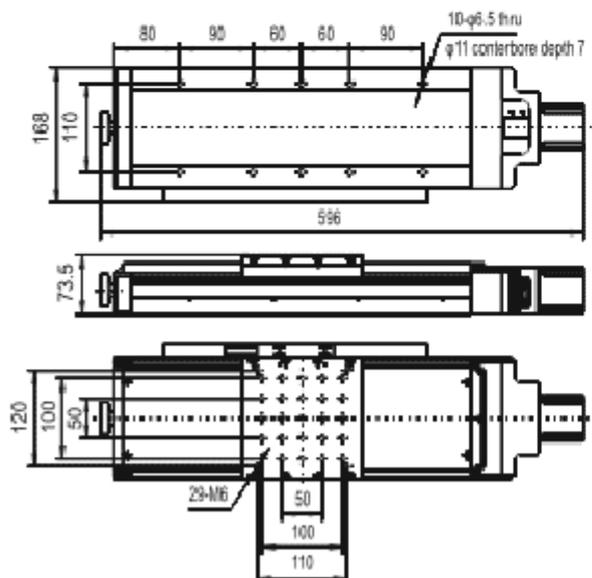
KSA100-13-X



KSA400-13-X



KSA200-13-X



KSAV1010-ZF Precision motorized vertical stage

KSAV1010-ZF is new product, wedge vertical stage with high-resolution, so many advantages: high-stability, high-load and capacity in vertical position, self-locking.

Specification

Model	KSAV1010-ZF
Travel (mm)	10
Tbale size(mm)	100x100
Drive screw pitch(mm)	1
Resolution (8 subdivision) (μm)	0.3125
Max speed(mm/sec)	10
Repeatability (μm)	<5
Stepper motor (step angle)	57(0.9°)
Working current (A)	2.4
Load capacity (kg)	10



PSA series precision motorized translation stages

PSAxxx-11-X series precision motorized translation stages



Product characteristic

- ◆ Stepper motor and RS232 interface combine with SC300,MC series controller, achieve automatic control.
- ◆ Grinding ball screw, linear slide and elastic couplings adopt high-quality products, provide quality assurance.

- ◆ The design of limited switches and zero switch protect products and supply convenience; Standard interface is convenient for signal's output.
- ◆ The back of motorized stages has handwheel , it is for convenience for adjustment;
- ◆ Standard hole is so easy for combine with other units, ensure convenience for multi-dimensional system;

■ Specification

Model	PSA05 0-11-X	PSA100-11 -X	PSA150-11 -X	PSA200-11 -X	PSA300-11 -X	PSA400-11 -X
Travel range(mm)	50	100	150	200	300	400
Leadmechanism(mm)	4					5
Resolution(8subdivision) (μm)	2.5					3.125
Max speed(mm/sec)	40					50
repeatability(μm)	<3					
backlash(μm)	<5					
Straightness	<10 μm	<10 $\mu\text{m}/100\text{MM}$				
Flatness	<15 μm	<15 $\mu\text{m}/100\text{MM}$				
Stepper motor(angle)	42BYGH (1.8°)				57 BYGH (1.8°)	
Working current(A)	1.7				2.4	
Max. Center Load(kg)	30					50

■ Highlight

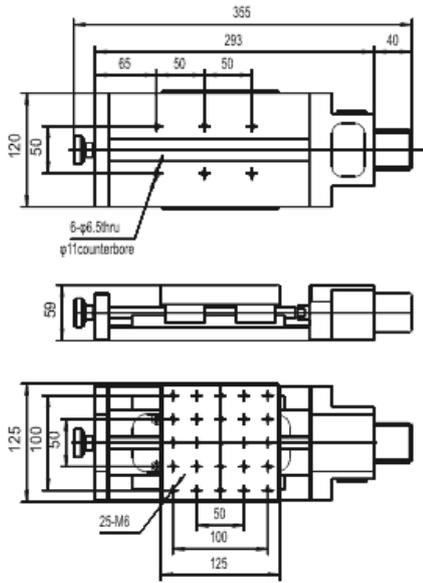
Accept customized, please contact us .

■ Related products

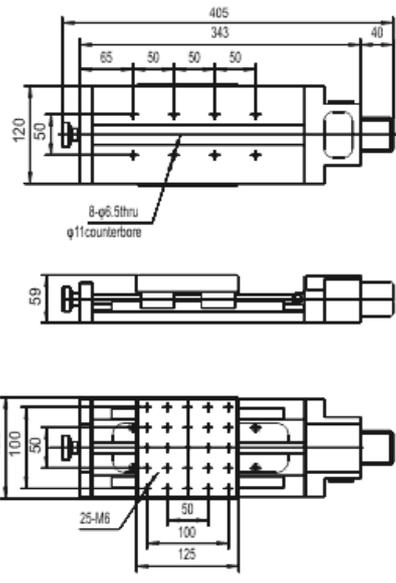
- ◆ 42,57 stepper motor;
- ◆ Special data wire;
- ◆ Motorized stages controller;

The drawings are below

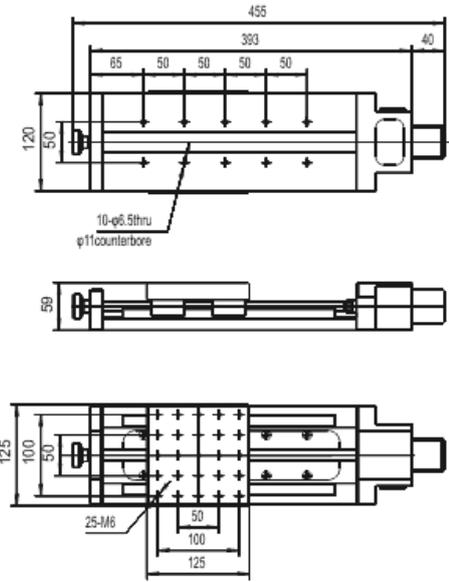
PSA050-11-X



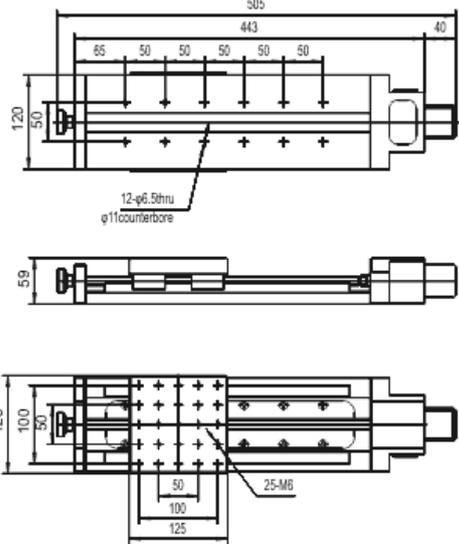
PSA100-11-X



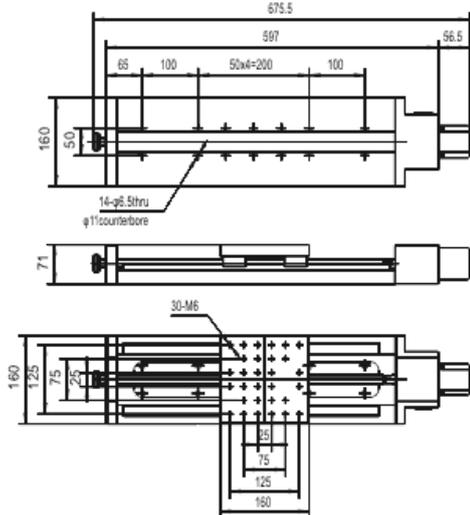
PSA150-11-X



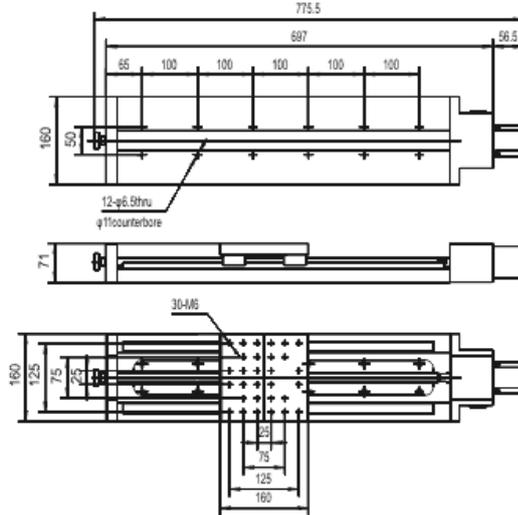
PSA200-11-X



PSA300-11-X



PSA400-11-X



PSAxxx-11-Z series precision motorized translation stages



■ Products characteristic

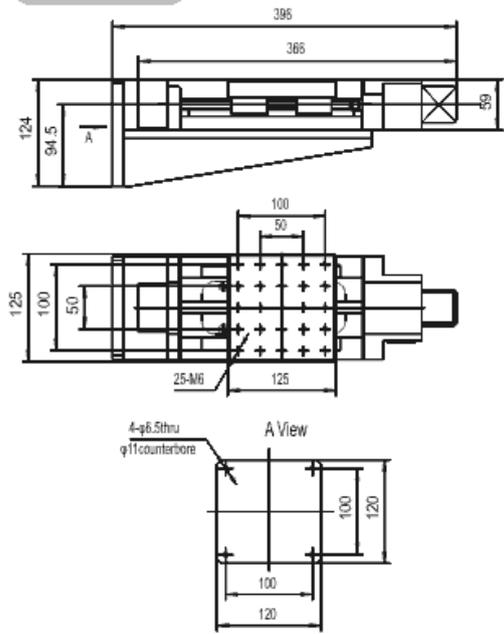
- ◆ Stepper motor and RS232 interface combine with SC300,MC series controller , achieve automatical control.
- ◆ Grinding ball screw ,linear slide and elastic couplings ,all adopt high-quality products ,providing quality assurance .
- ◆ The design of limited switches and zero switch protect products and supply convenience;Standard interface is convenient for singal's output.
- ◆ Standard hole is so easy for combine with other units, ensure convenience for multi-dimensional system;
- ◆ Connection of Right angle fixed-block ensure perpendicularity.
- ◆ Loss-electric protectional devices ensure safety .

★If need higher load, suggest that install decelerate motor

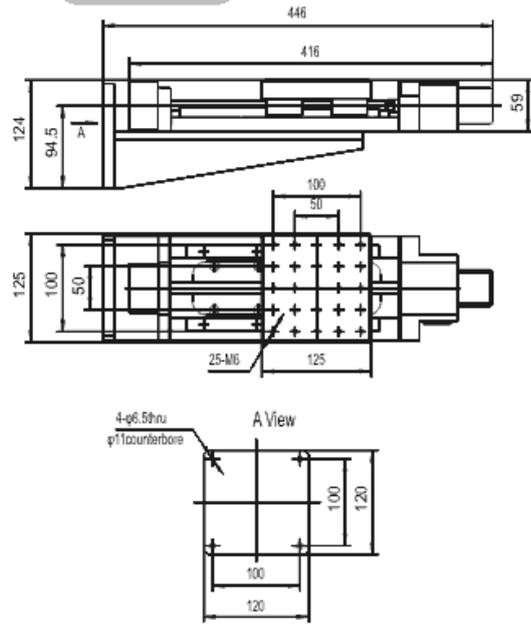
■ Specification

Model	PSA05 0-11-Z	PSA100-11- Z	PSA150-11- Z	PSA200-11- Z	PSA300-11- Z	PSA400-11- Z
Max center load	5kg				10kg	
Max speed	40(mm/sec)				50(mm/sec)	
Other index is the same with PSAXXX-11-X series						

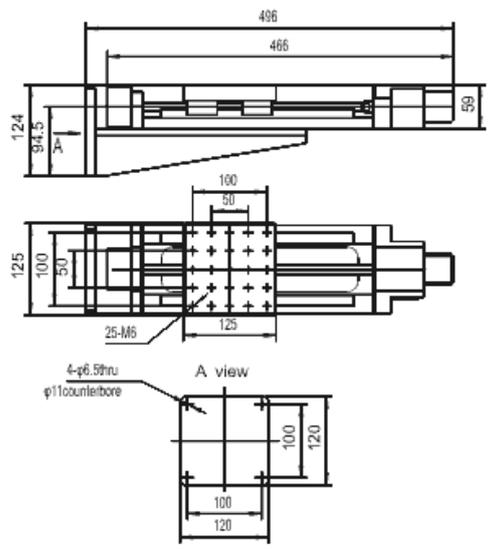
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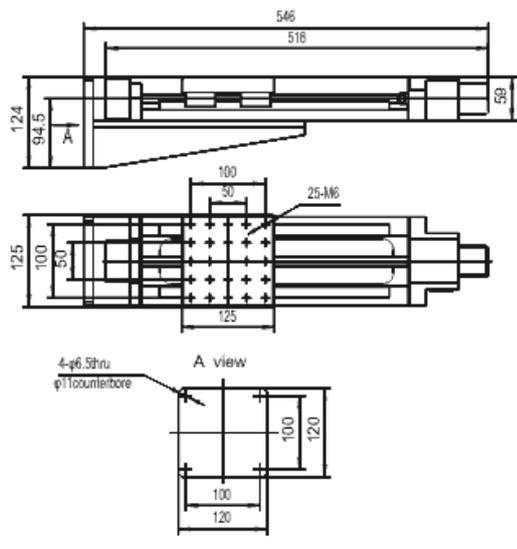
PSA100-11-Z



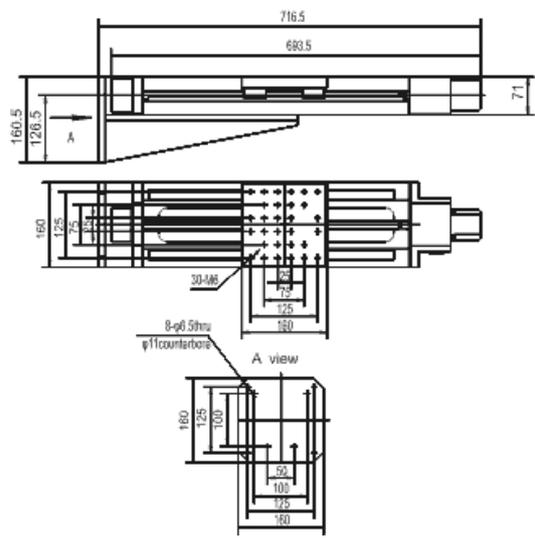
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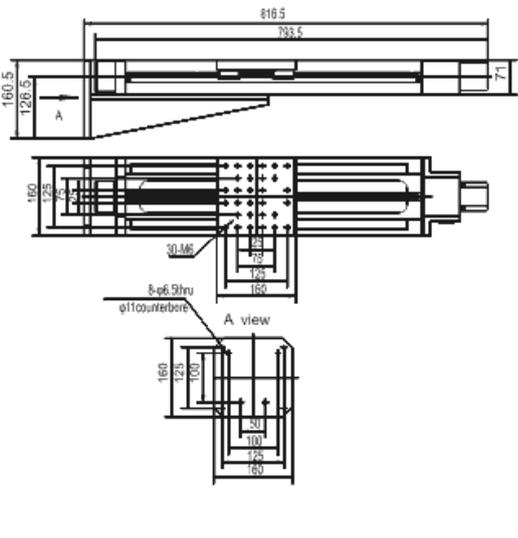
PSA200-11-Z



PSA300-11-Z

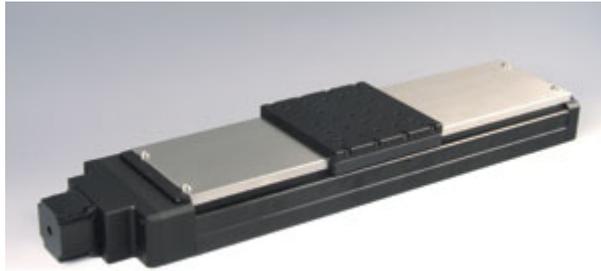


PSA400-11-Z



PSAxxx-13-X series precision motorized translation stages

This series is developed specially for industrial customers, The base has adopted u-shaped new construction ,super-rigid,and special for high-load and group-dimensional. Elastic gasket ensure sealing of motion . The key index is up to the international level of similar products by rigid inspection.Especially suitable for high-seal and un-dust application fields ;For example:laser piezo cutting ,LCD cutting and solar panels cutting.



■ Products characteristic :

- ◆ Precision ball screw,precision linear slide,ensure accuracy and linear of motion.
- ◆ Key and main self-made parts have adopted integrated processing ,ensure rigidity of products.
- ◆ The design of the special seal,ensure the sealing ; Application fields for laser processing and laser cutting .
- ◆ Unique,strictly assembly process,ensure the consistency of the products.
- ◆ Limited switches and zero switch ,ensure the safety.

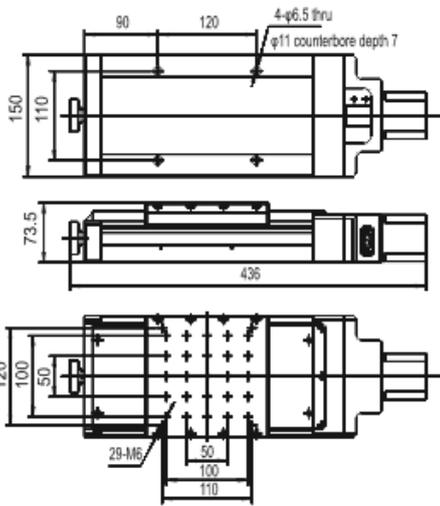
■ Specification

Model	PSA050-13-x	PSA100-13-x	PSA200-13-x	PSA300-13-x	PSA400-13-x
Travel Range(mm)	50	100	200	300	400
Drive screw pitch(mm)	Ball Screw, Pitch 4 mm				Ball Screw, Pitch 5 mm
8 sub -Resolution (μm)	2.5				3.125
Max speed (mm/sec.)	40				50
Repeatability (μm)	<3				
Backlash (μm)	<5				
Straightness	<10μm	<10 μm/100mm			
Flatness	<15μm	<15 μm/100mm			
Stepping Motor	42(1.8°)		57(1.8°)		
Working current (A)	2.4				
Max. Center Load(kg)	50		70		

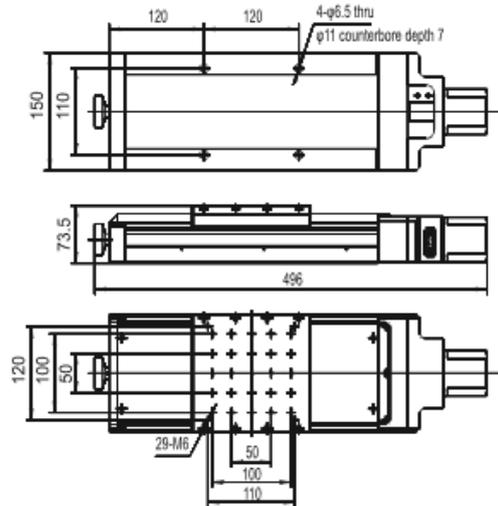
■ **Highlight:** Accept customized for special measurement,please contact us.

- **Related products:** ◆42,57stepper motor;◆Special data wire;
◆Motorized precision stages controller;

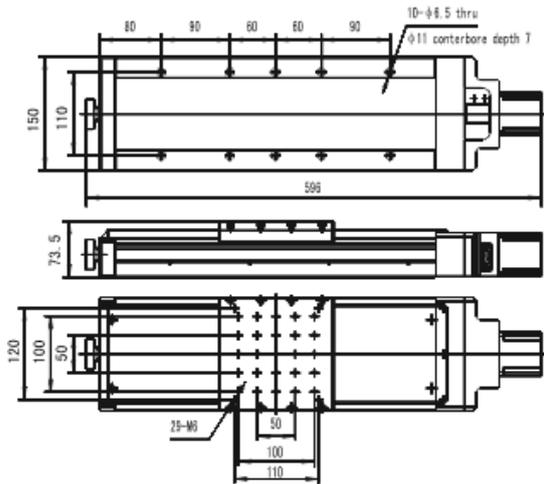
PSA050-13-X



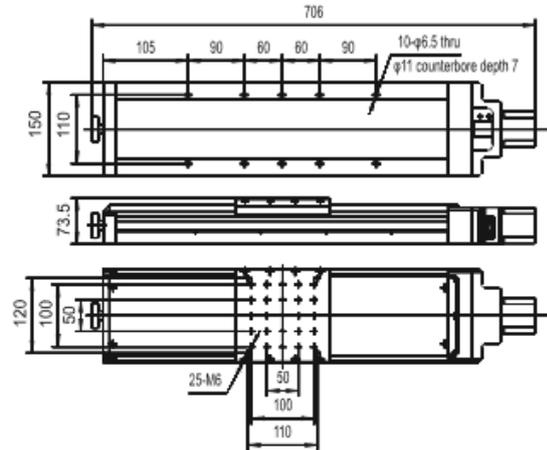
PSA100-13-X



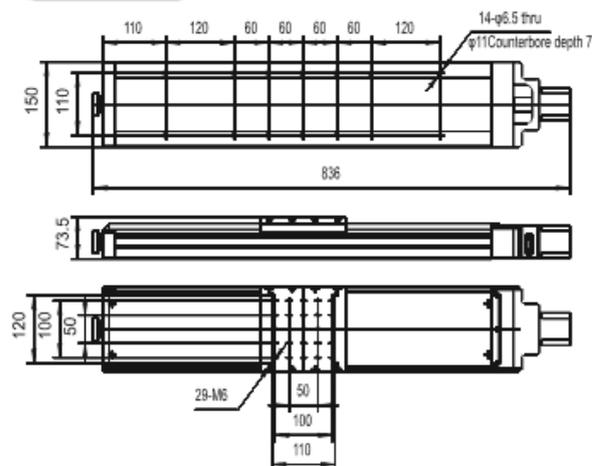
PSA200-13-X



PSA300-13-X



PSA400-13-X



PSAV series high-load motorized vertical stages

Super elevator-new high-load motorized vertical stages

It is new products, Application for high-load condition; Max load is 300kg; Motor drive (can choose manual); travel are 30mm, 100mm. Welcome to contact us .

■ Specification

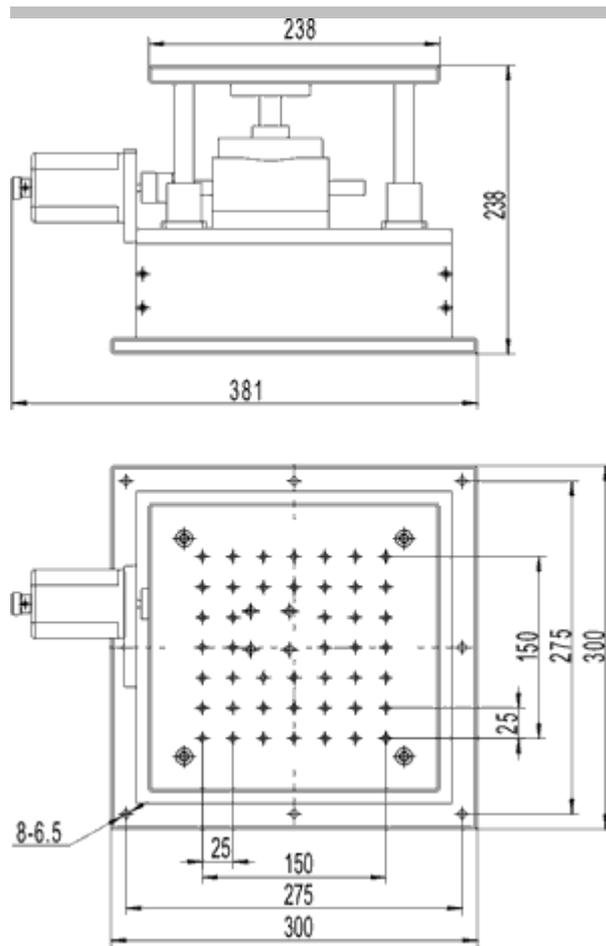
Model	PSAV030-ZF	PSAV100-ZF
Travel (mm)	30	100
Table dimension	238*238(accept customize)	
Reduction ratio	21:2	
Limited switch	Have limited switch	
Max speed of no-load	5	
Stepper motor	57(1.8°)	
Working current (A)	2.4	
Max centre load (kg)	>80kg(related to motor torque)	



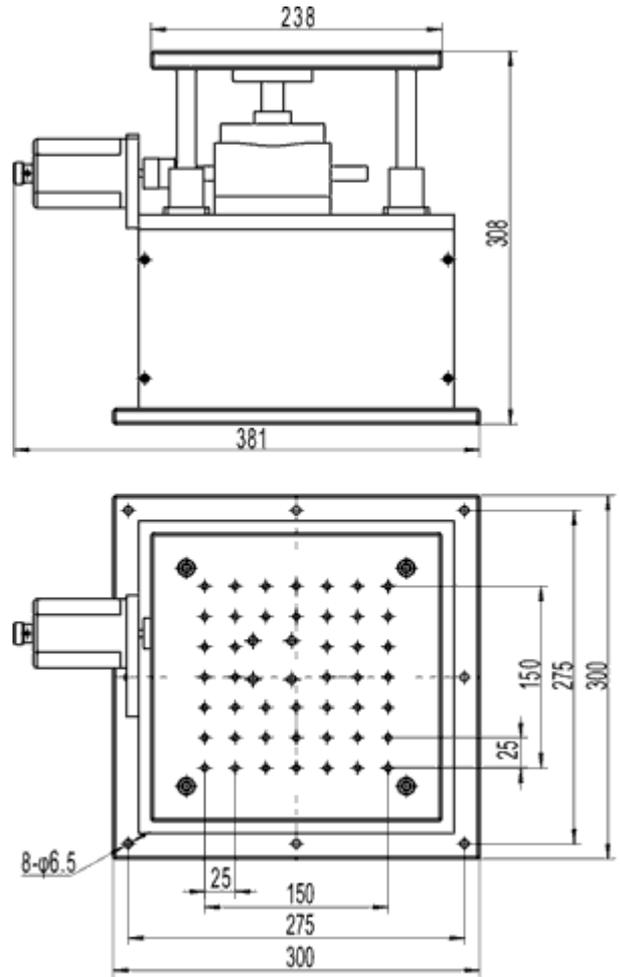
PSAV030-ZF



PSAV100-ZF



PSAV030-ZF



PSAV100-ZF

PSAG high-load motorized goniometer stages

It is new product; Application for high-load condition; Max load is 50kg;. Range of angle is $\pm 15^\circ$, welcome to contact us .

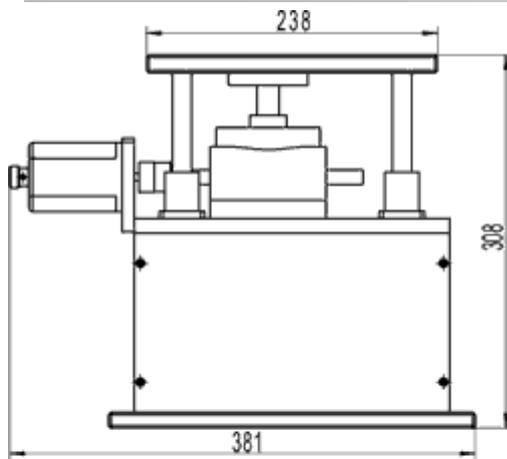
Model	PSAG15-250	PSAG15-370
Angle (°)	± 15	± 15
Table dimension (mm)	280×250	340×250
Height of axis	250	370
Slide	circle	
Rotation ratio	610:1	870:1
Resolution (8 subdivision) (°)	0.00018	0.00013
Stepper motor	57(1.8)	57(1.8)
Working current (A)	2.4	
Max center load (kg)	50	



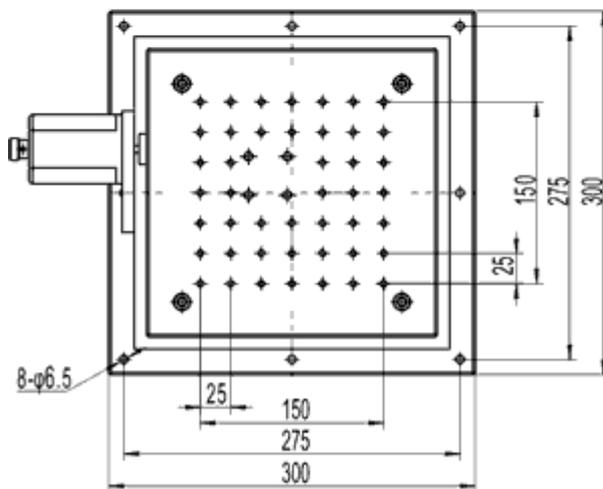
PSAG15-250

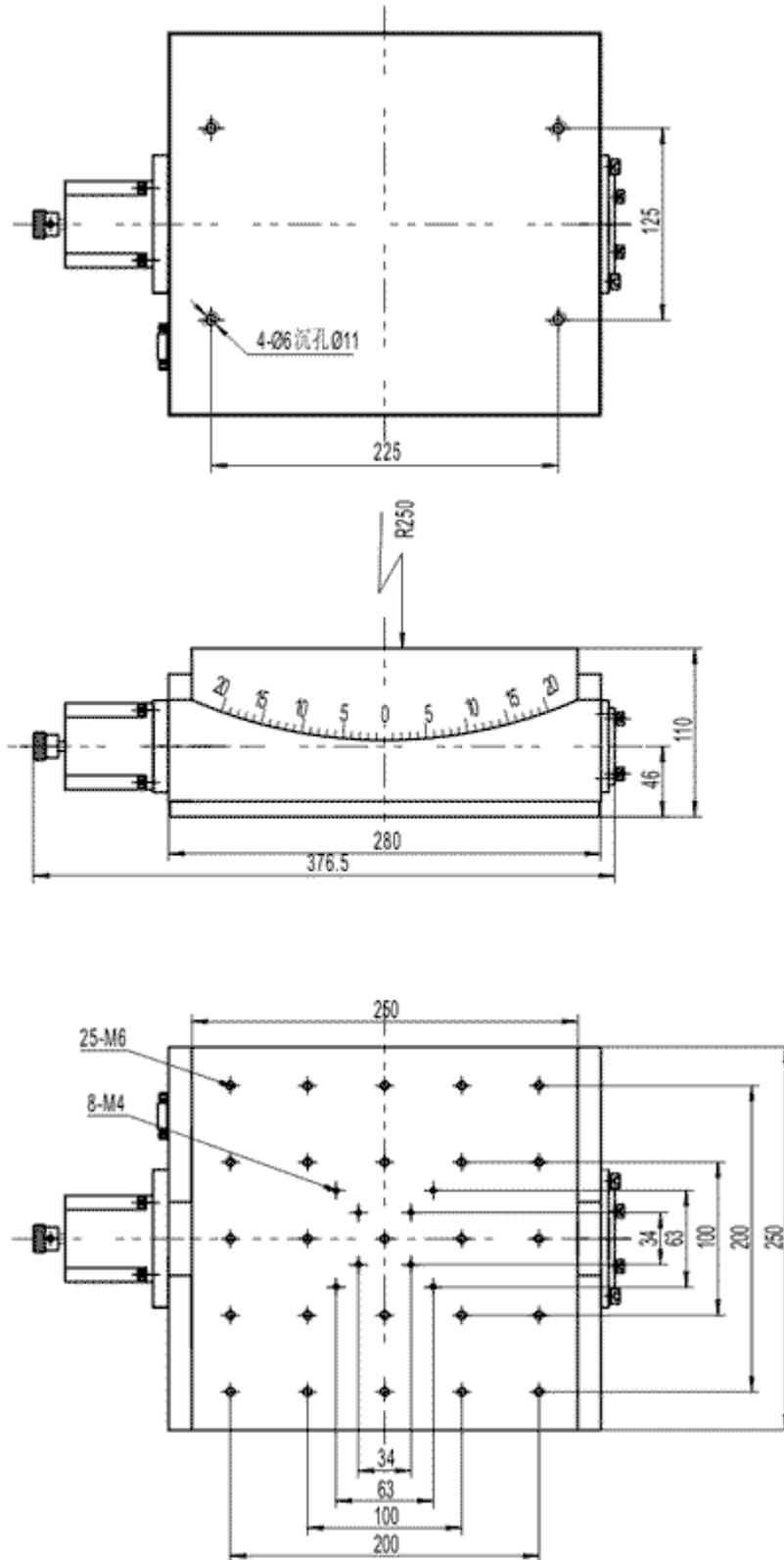


PSAG15-370



PSAG15-370

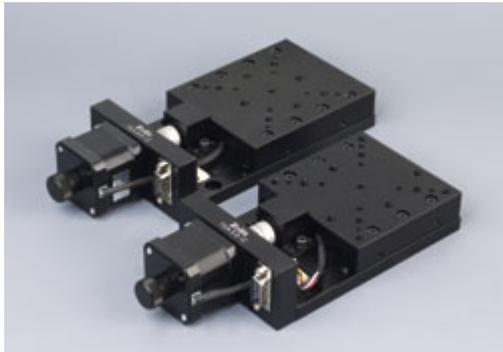




The Size Chart of PSAG15-250

TSA-C series ultra-thin motorized translation stages

Rotation with super grinding ,slide with v-shaped rail ,elastic couplings have adopted import high-quality products,supply quality assurance .The design of the limited switches and zero switch and standard interface are convenient for output of signal ;Equipped with handwheel in the back of motor ,achieve manual adjustment;Standard hole is convenient for combined-dimensional . The height is 30mm,the largest height is only 44mm.Application for little height of space,little travel,high resolution fields.

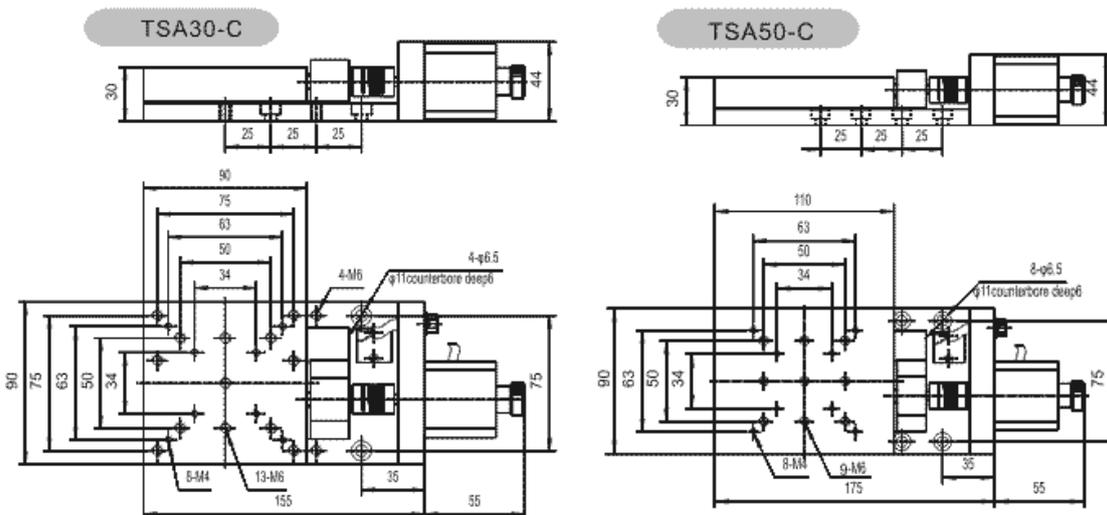


■ Specifications

Model	TSA30-C	TSA50-C
Travel Range (mm)	30	50
Drive screw pitch	1	
Resolution(8 subdivision) (μm)	0.625	
Max speed (mm/sec.)	10	
Repeatability (μm)	<5	
Stepping Motor	42(1.8°)	
Working current (A)	1.7	
Max. Center Load(kg)	10	
Weight(kg)	1.25	1.4

■ Related products

- ◆ Special data wire;
- ◆ Motorized precision stages controller;



TSAx-(A) series standard (precision) motorized translation stages

Standard products has adopted ball screw, precision products has adopted grinding screw ;Slide has adopted linear bearing, Elastic couplings adopt high-quality imported products ,ensure machine quality .

The design of limited switches and zero switch has protected products ;Standard interface is convenient for signal output;The handwheel in the back of motors can achieve manual adjustment, Standard hole is convenient for combined-dimensional,It is so convenient for combined with other parts;Application for low load and high-precision files.



■ specifications

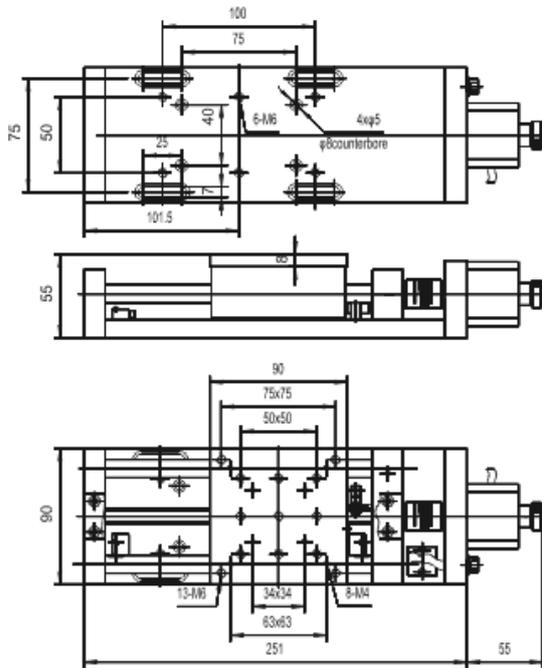
Model	TSA50-(A)	TSA100-(A)	TSA150-(A)	TSA200-(A)
Travel Range (mm)	50	100	150	200
Drive screw pitch	4			
Resolution(8 subdivison) (μm)	1.25			2.5
Max speed (mm/sec.)	20			40
Repeatability (μm)	<5 ; (-A<3)			
Stepper Motor	42 (0.9°)			42 (1.8°)
Working current (A)	1.7			
Max. Center Load(kg)	15	10	7	
Weight(kg)	2.75	3	3.3	3.8

■ Related products

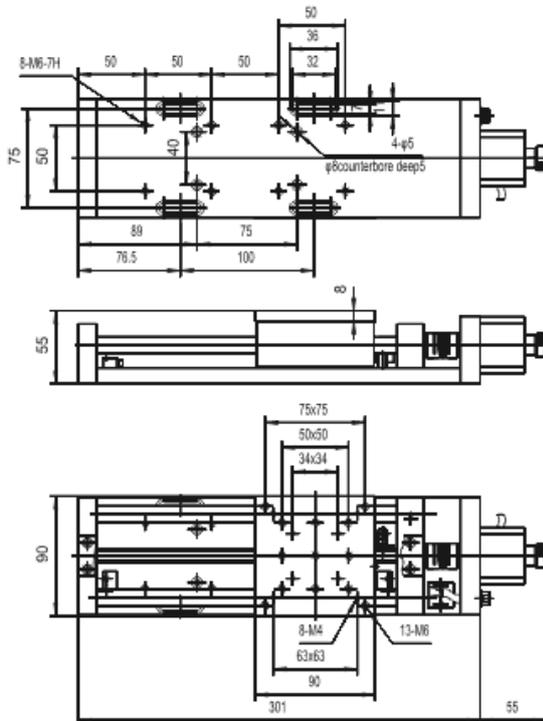
◆42,57stepper motor;

- ◆ Special data wire;
- ◆ Motorized precision stages controller;

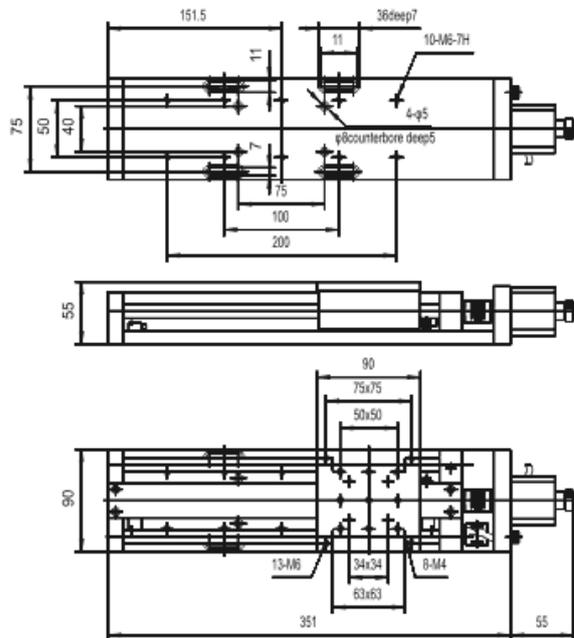
TSA50/TSA50-A



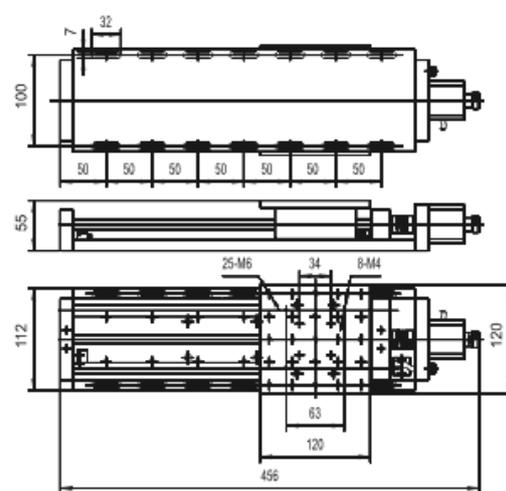
TSA100/TSA100-A



TSA150/TSA150-A



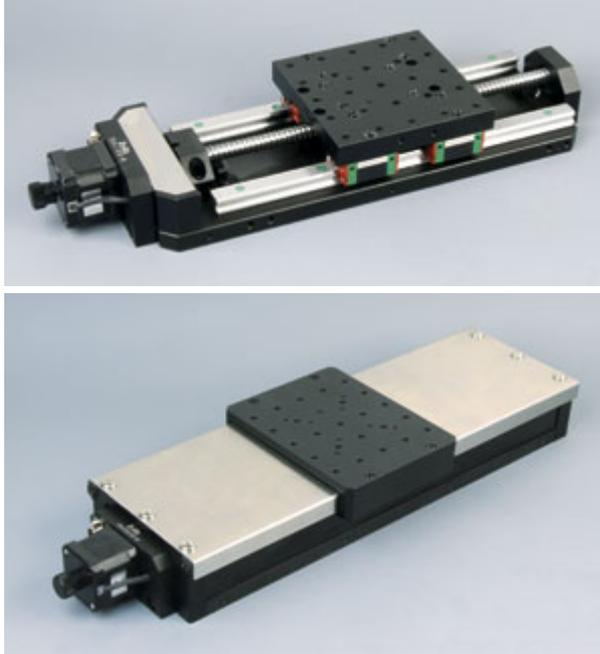
TSA200/TSA200-A



TSAx-B(F)series overloading motorized translation stages

Standard products has adopted ball screw,precision products has adopted grinding screw ;Slide has adopted linear bearing;Elastic couplings adopts high-quality imported products ,ensure the machine quality .The design of limited switches and zero switch,standard interface are convenient

for signal's output. The handwheel in the back of motors, can achieve manual adjustment. Standard hole is convenient for combined-dimensional ;Additionally , can reload servo- motor ,assemble grating,install un-dust cover ;Application for high load and high-stability files ,extensively used in industry.



★ overloading motorized translation stages with un-dust cover,the model is added F behind of the original model,For example :TSA200-BF.

■ **Specification**

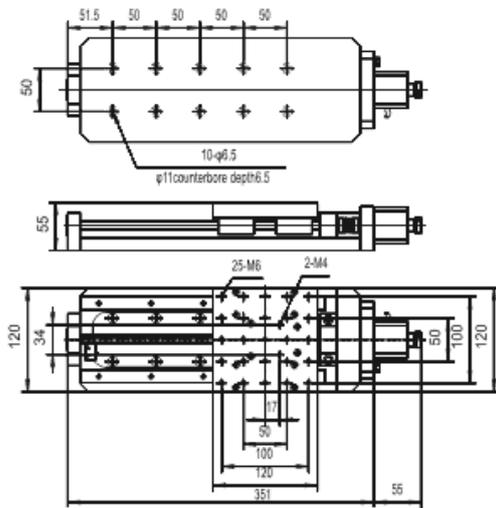
Model	TSA150-B	TSA200-B(F)	TSA300-B(F)	TSA400-B
Travel (mm)	150	200	300	400
Drive screw pitch(mm)	4			5
Resolution (8 sub-division) (μm)	1.25	2.5		3.125
Max speed (mm/sec.)	20	40		50
Repeatability (μm)	<5			
Stepper mototor	42(0.9°)	42(1.8°)		57(1.8°)
Working current (A)	1.7			2.4
Max centre load (kg)	30			50
Weight(kg)	4.8	5.75		11.5

■ **Related products**

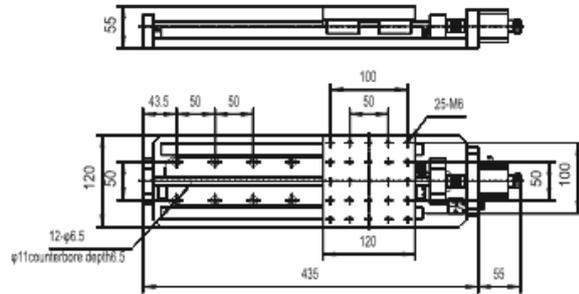
◆42,57stepper motor;

- ◆ Special data wire;
- ◆ Motorized precision stages controller;

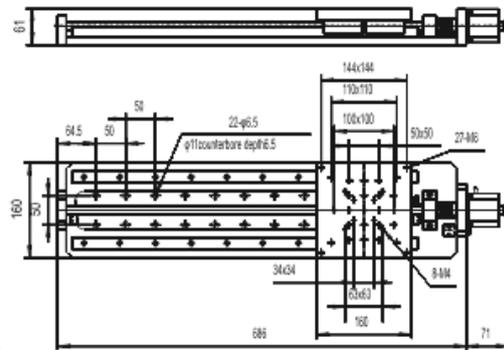
TSA150-B



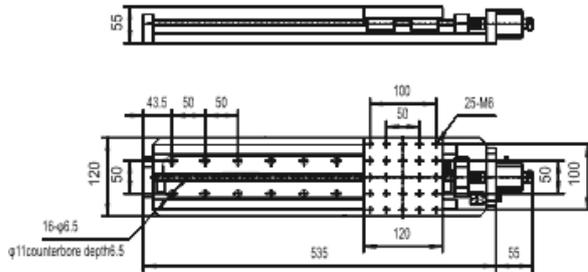
TSA200-B



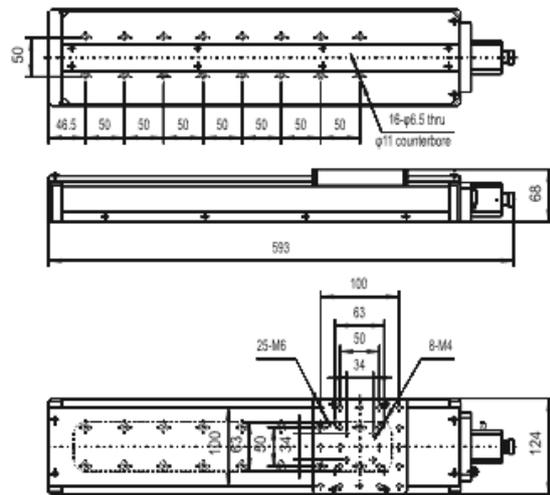
TSA400-B



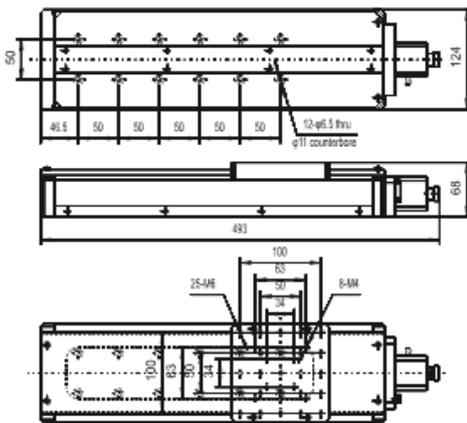
TSA300-B



TSA300-BF



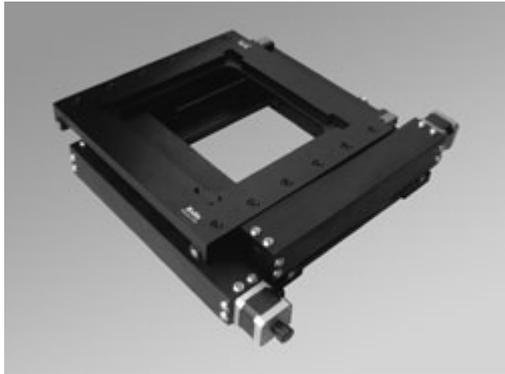
TSA200-BF



TSAW series two-dimensional motorized translation stages

TSAW series motorized two-dimensional whole translation stages has adopted two-dimensional whole design, achieved spacial x and y axes displacement adjustment automatically by stepper motor drive ;handwee can euip with motorized or manual .

Key parts:precision ball screw ,elastic couplings both are high-quality,ensure the machine's quality.Motor connect with ball screw by elastic couplings ,exclusive backlash and processing error;Relative motion parts has adopted crossed-roll rail rolling friction ,install limited switches protecting products;Standard interface is convenient for signal's output,The table can install glass ,the base has the two fixed ways :screw thread and aperture,Please install them according to your requirements.

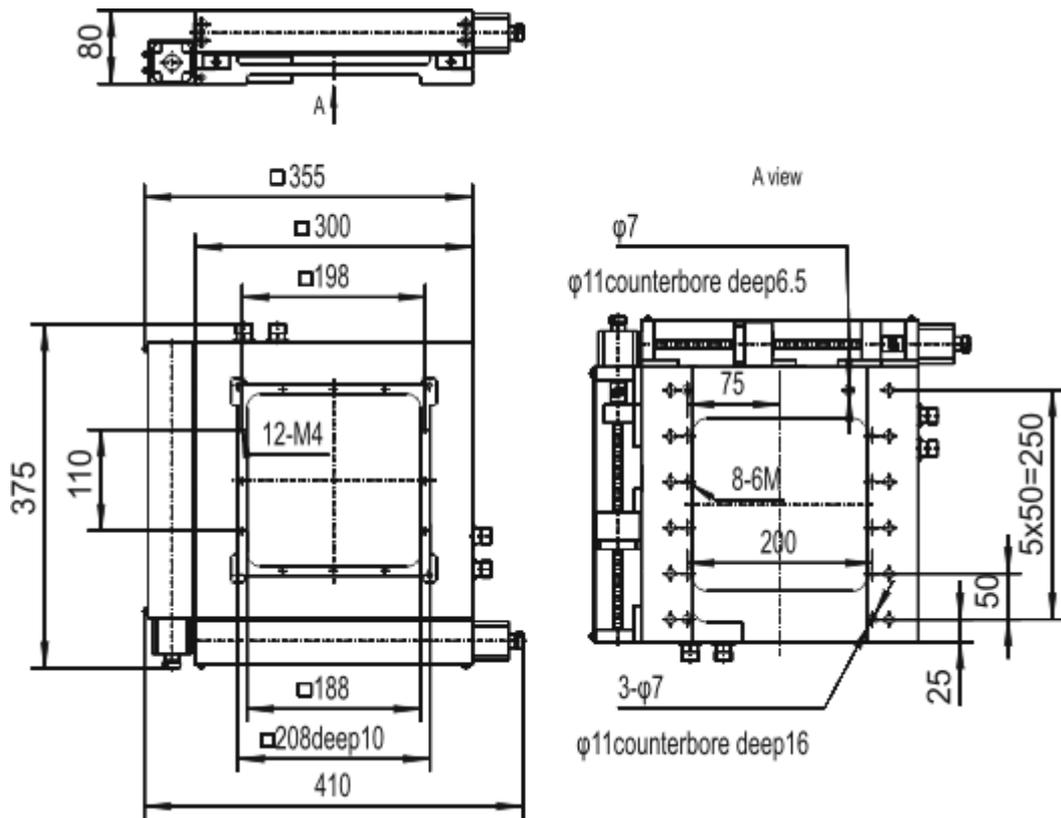


■ Specification

Model	TSAW100×100-XY-(A)
Travel Range(X*Y) (mm)	100x 100
Drive screw pitch	4
Repeatability (μm)	<5; (-A<3)
Resolution(8 sub-division) (μm)	1.25
Stepper Motor	42B(0.9°)
Working current (A)	1.7
Max. Center Load(kg)	20

■ Related products

- ◆42,57stepper motor,decelerate motor,loss electric controller
- ◆Special data connection cable
- ◆Motor precision stages control box



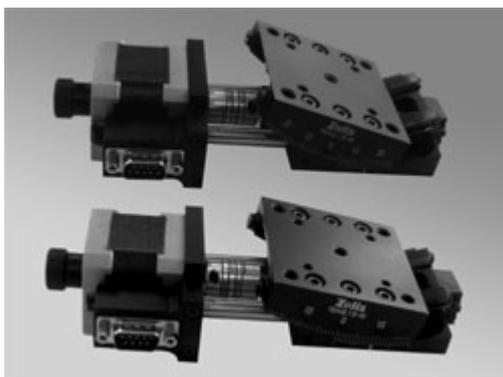
TSAG series motorized goniometers

TSAG series motorized goniometers achieve optics tilt adjustment ,adopt stepper motor ,ensure tilt angle adjustment automatically ,Achieve handwheel or motorized .

Two design in pairs,can overlay or alone ;two kinds of radius elaborate designed ,around the same point,two dimensional crossed rotation;

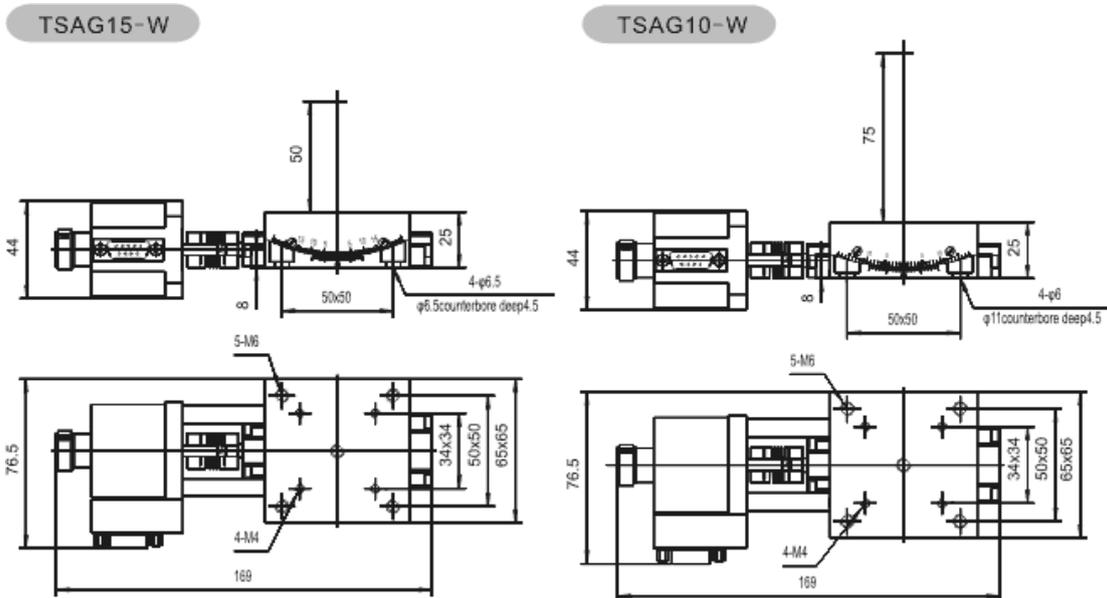
Motor connect with driver by the high-quality imported couplings,exclusive backlash and processing error ; Has adopted worm and worm wheel drive;Relative motions has adopted arc guide rail friction ;install limited switches, protecting products , Standard interface is convenient for signal's output,can reload servo-motor.

Standard hole is convenient for combined-dimensional



■ Specification

Model	TSAG10-W	TSAG15-W
Travel Range (mm)	±10°	±15°
Table Size	65 x 65	
Guides	Ball guide way	
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	
Weight(kg)	0.75	



RAK series high precision motorized rotation stages

New construction ,new technology;the key index has up to the international level of the similar products by strictly inspection .This series products are used to laser precision processing,three dimensional scanning measurement system and so on .

- ◆Stepper motor drive ,finish angle adjustment automatically;
- ◆Worm and worm wheel has adopted durable to friction material ,high reliable accuracy of rotation .
- ◆High precision ,ultra steel axes of importing ,achieve high precision, high load stable motion
- ◆Outer circle has scale, interface , convenience for signal's output
- ◆Circle grating and encoder combine with MC series controller ,achieve closed-loop control



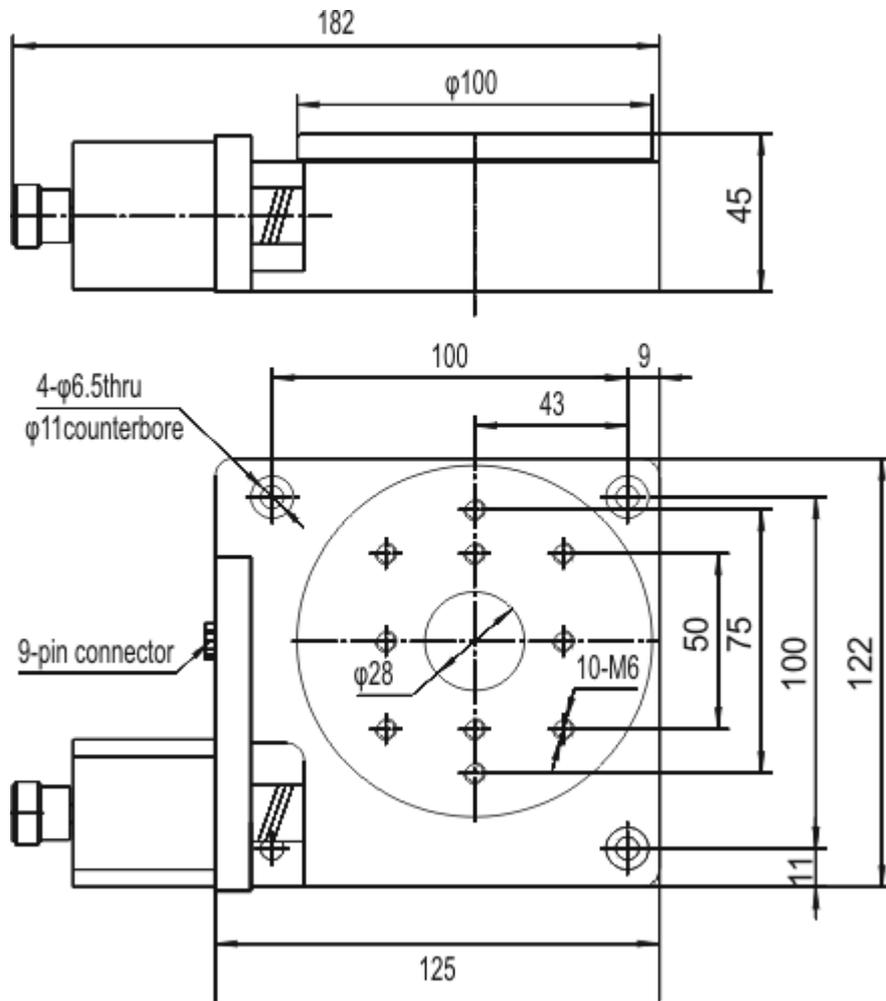
■ Specification

	RAK100	RAK200	RAK350
Motion Range	360°	360°	360°
Table Size	Diameter 100 mm	Diameter 200 mm	Diameter 350 mm
Drive screw pitch	Ground Worm Gear		
Worm Gear Ratio	1 : 180		1 : 320
Material	AL		
Finish	Black Anodize		
Guide	Crossed Roller Bearing		
Stepper Motor	42M-1.8S	57M-1.8S	
Max. Center Load	30 kg	50 kg	100 kg
Resolution	0.00125°	0.00125°	0.0007°
Backlash	0.01°	0.01°	0.015°
Repeatability	0.005°	0.005°	0.003°
Surface Runout	<15 um	<10 um	<20 um
Roundness	<15 um	<10 um	<20 um
Max. Speed	25° /Sec.	25° /Sec.	14° /Sec.
Rotary Encode	Option		

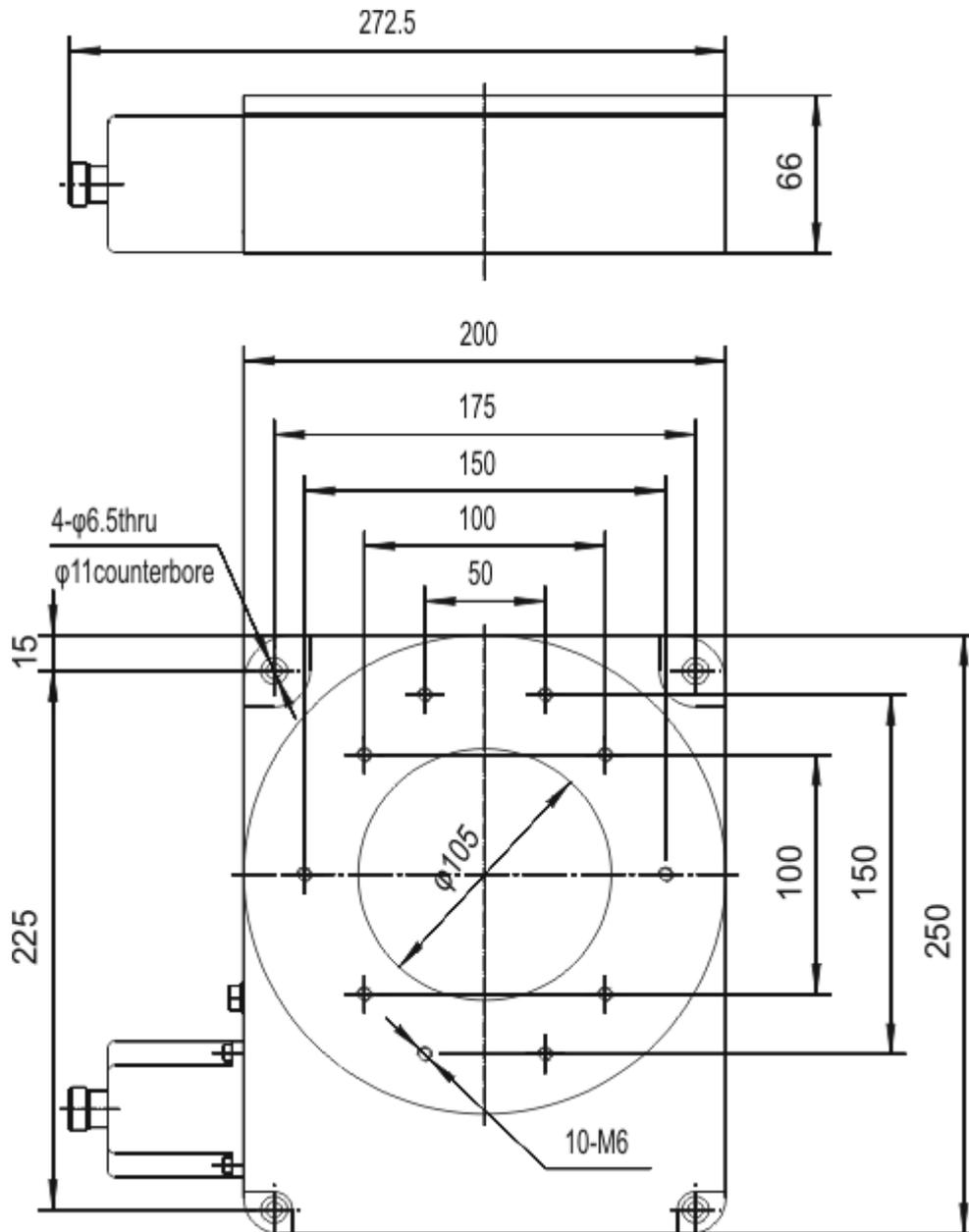
■ Related products

- ◆ 42,57 stepper motor
- ◆ Special data wire
- ◆ Motorized stages controller

RAK100



RAK200



RAuK20-100

It is a new product with ultra-high resolution, closed-loop control, adopts imported grating, achieves ultra-high resolution rotation reset, besides, has some advantages compared with RAK; adopted imported crossed ball screw slide, improve all the indexes.

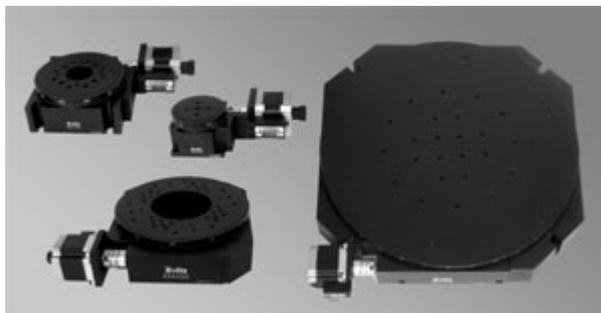
Application fields: Metal processing equipment; Semiconductor Equipment; Biomedical equipment; Requirements of high precision rotary

Model	RAK100	RAuK20-100
Table diameter (mm)	100	
Material	Aluminum alloy	
Ratio	180: 1	
Resolution of open-loop (° , ")	0.00125° (4.5")	
Closed-loop (° , ")	-----	0.0005° (1.8")
Max speed (deg./sec.)	25	
repeatability (°)	<0.005°	<0.0005°
Radial (μm)	<15	
Axial runout (μm)	<15	
Stepper motor (步距角)	42 (1.8°)	
Working Current (A)	1.7	
Load capacity (kg)	30	



RSA series motorized rotation stages

RSA series achieve adjustment of angle automatically by stepper motor ,precision worm and worm wheel drive,precision axial design,ensure high precision, and high load .Stepper motor connect with rotation units by high quality elastic counplings,Reduce backlash error of processing,visual scale of outer circle,standard interface, convenience for signal's output ,application for handwheel by manual or motorized by hand,reloading servo-motor.



Specification

The following example for the combination of pictures, but if need special combination, please contact us.

Attention:

All the motorized stage have the limited of self-weight and load capacity ,please consider them when combine.

Ecentric load: the actual allowable load is calculated as follows

Actual load (F)=center load /(1+L/d)

L-load eccentricity(mm)

d-table diameter or width



Three-dimensional combination



XYθ Three-dimensional combination



Two-dimensional ultra-thin combination



Three-dimensional combination with grating



Two-dimensional combination with un-dust cover



six-dimensional combination

Show customized

Zolix make many composited systems these years, Clients supply drawings ,we make it ;Or we make it after the clients supply requirements.If you have some innovations or ideas ,please contact us,we have excellent experiences engineers,strong products ability and system loading experiences, will make your dreams come true.



Prism polarization detection system



Visual simulation system Prism



Satellite tracking system



Preparation of fiber-optic systems research



Large-scale displacement laser interferometer system



Biological fluorescence imaging system



12-inch wafer cutting system

MC series motion control box

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 goniometers stages.equipped with stepping motor drive or

swap-actuator driver .Abundant parameters,flexible online communication commands ,make the system easier and more effectiveness, can achieve the linear interpolation of 3 axis and the circle interpolation of 2 axis.



■ 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 accuraction

■ 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 meachanism 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



■ **Specification**

Model	MC600-4B	MC600-2B	MC600-2CP200
Numbers of axis	4-axis stepper motor	2-axis stepper motor	axis servo motor
Motion control	30mhz DSP controller		
	Digital PID servo control		
	adjustment of terraced speed		
	synchronous and asynchronous motion		
	Inching and increment model		
	3 axis linearity interpolation, 2-axis circle interpolation		
Output trigger	open collector output		
sensor	zero photonic switch limit switch and limit switch		
Matching	joy stick		

Mating software	Zolix MC software
	MC activex software
Communication interface	RS232,USB2.0
I/O	16 digital Programmable TTL I/O(8 as a group)
Memory	512KB Flash Non-Volatile Firmware
Display panel	LCD ,240x128 lattice,105mmx56mm
Stepping motor	2 or 3 stepping motor(24v,3.5a max
	Closed-loop or open loop
	300khz impulse frequency
	128xmax.
Power and consumption	115/220v,60/50hz,400w(max)
Appearance size	440x395x145mm

SC300

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-manchine 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

- ◆ Appearance size :365X132X360
- ◆ Weight:6KG

SC300 activex

Zolix SC300 activex suit to control box of zolix SC300 stages,SC300 control box adjust by ultra-terminal devices,commands should familiar with our control protocol,in order to the second developed ,we adopt zolix SC300.OCX,reducing development time.we provide whole software, make you understand controller

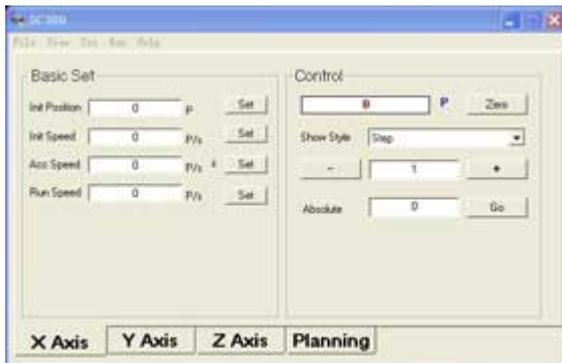
Functions

- ◆ Zolix SC300 is developed by vc6,sealed with protocol of stages ,users can program quickly with knowing the control protocol.
- ◆ Zolix SC300 equipped with the function of communication and control .donot need to understand programme
- ◆ Providing vb example and indication of SC300, users only use the second developed file, conveyent for control stages
- ◆ Flexible,positive of setting up surface ,suitable for this style of software

SC300 software

- ◆ Integral operational surface,software support english surface display,including the whole activex function
- ◆ Operating of target and increment,is easy for position of stages
- ◆ Set up operating formula ,constant operating converiently

programme run interface



ZolixMC activex

ZolixMC activex suit to control box of zolix MC300 stages,MC300 control box adjust by ultra-terminal devices,commands should familiar with out control protocol,in order to the second developed ,we adopt zolix MC.OCX,reducing development time.we provide whole software, make you understand controller

◆Zolix MC is developed by vc6,sealed with protocol of stages ,users can program quickly with knowing the control protocol.

◆Zolix MCEquipped with the function of communication and control .Donot need to understand programme

Providing vb example and indication of SC300, users only use the second developed file, conveyent for control stages.lexible,positive of setting up surface ,suitable for this style of software

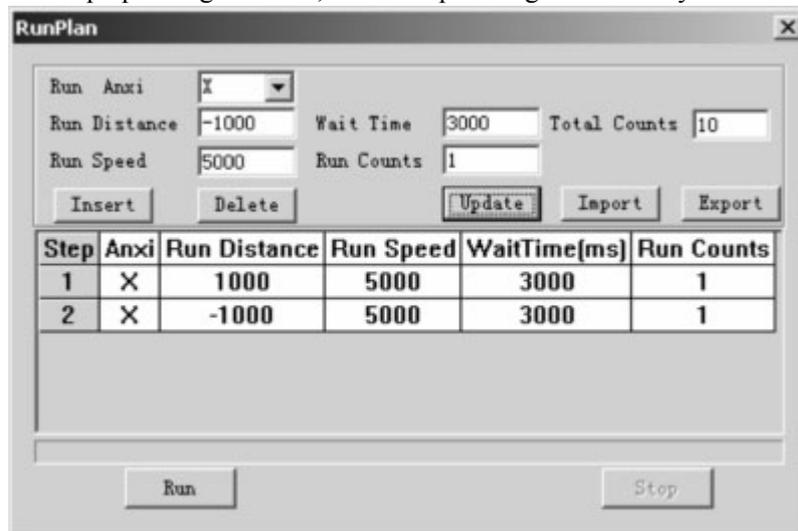
◆Zolix MC provide basic test and simple tese surface,is easy to test of controller and motorized stages

Software

◆Integral operational surface,software support english surface dispaly,including the whole activex function

◆Operating of target and increment,is easy for position of stages

◆Set up operating formula ,constant operatiing conveniently



HC-100 motorized stage controller

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.

