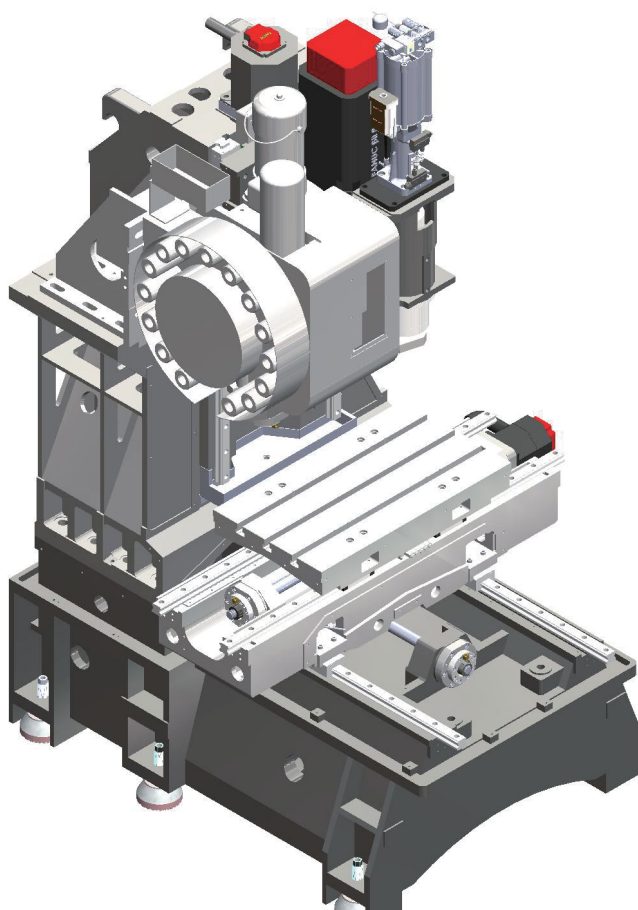


01
SVB500/650

SV Series Basic Features

High Precision & High Speed Vertical Machining Center



● Spindle Type

SVB Belt type spindle 8000/10000rpm

SVD Direct drive spindle 12000/15000rpm

● Rapid Traverse Rate (X/Y/Z axis)

48/48/32 m/min

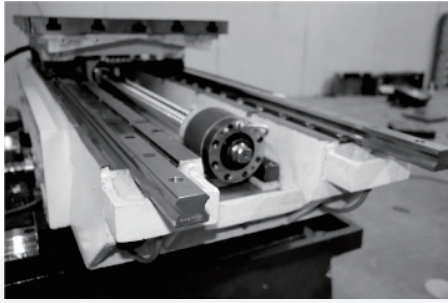
● Travel (X/Y/Z axis)

SV500 500/400/500 mm

SV650 650/400/500 mm

High Precision & High Speed Vertical Machining Center

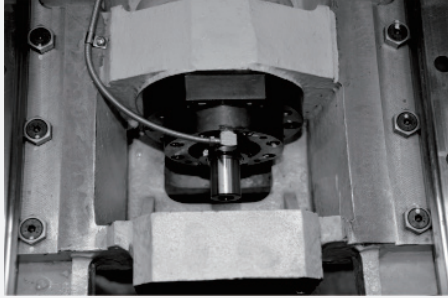
- SV series is the newly designed series of machine SINO cooperated together with TAIWAN company.
- The design concept, assembly know how and inspection method all follow TAIWAN machine standard.
- Pagoda type structure design and reinforcing ribs inside to ensure rigidity. Large span of Y axis guideways to keep all the X axis travel is supported.



01

Preloaded and double Supported Ballscrew with Intergrated Housing

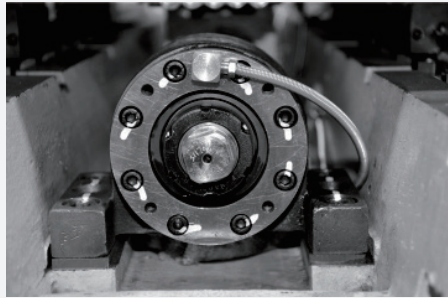
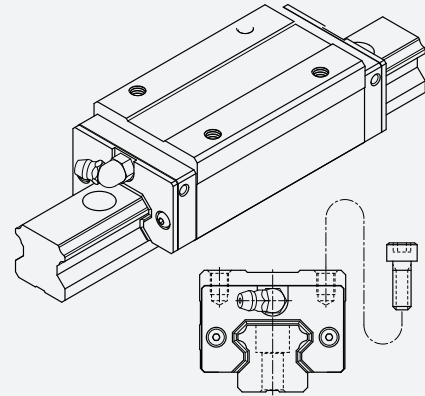
Preloaded and double supported ball screw with 2+2 precision angular contact bearings ensure outstanding positioning and repeatability with virtually no thermal growth. Intergrated ball screw housing ensure long stay accuracy.



02

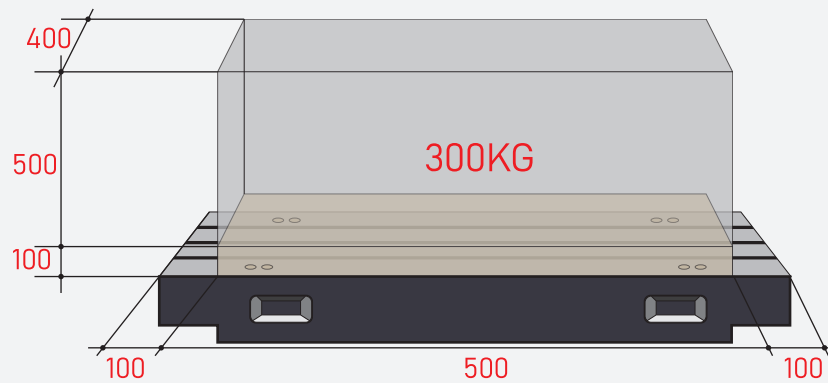
Lengthened and heavier load linear guideway sliders

Lengthened and heavier load linear guideway sliders than normal designed offer better dynamic loading performance. Dynamic rating load improved 22%, static rating load improved 33%.

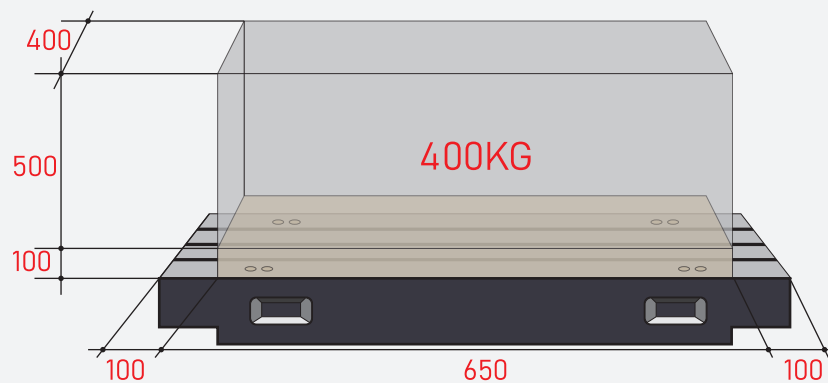


03

Worktable & Machining Area



SV500



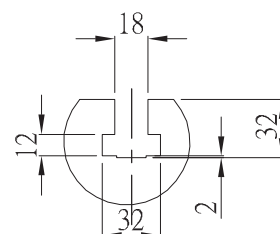
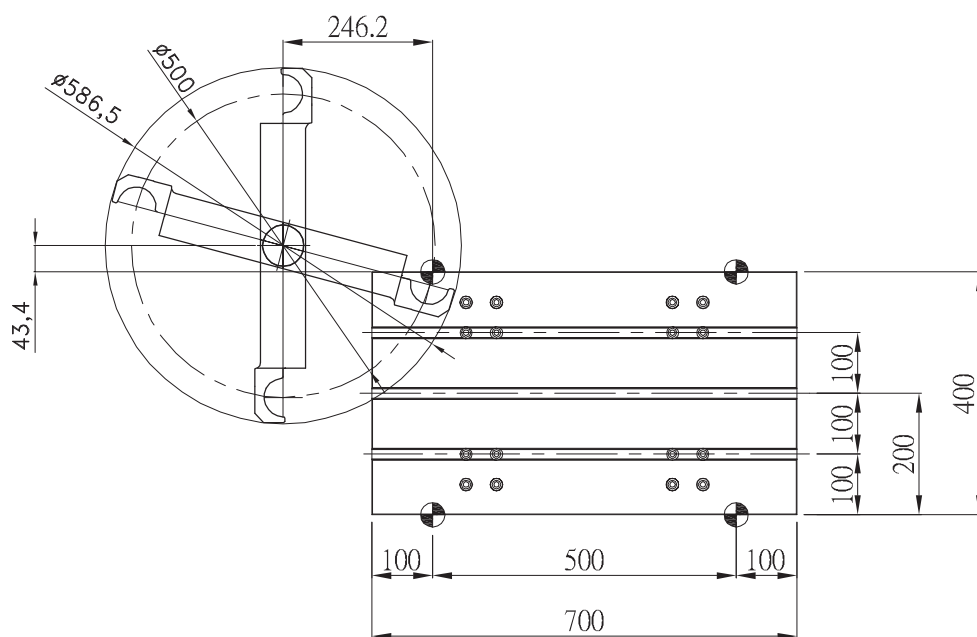
SV650

SPECIFICATIONS

ITEM			SVB500	SVD500	SVB650	SVD650
Table	Table size	mm	700x400		850x400	
	Max. load capacity	kg	300		400	
	T-slots	mm	3x18-100			
	Distance from table surface to spindle	mm	100-600			
	Distance from table to floor	mm	900			
Spindle	Spindle taper		BT40			
	Spindle rpm	rpm	8000	12000	8000	12000
	Spindle power output	kw	5.5/7.5		7.5/11	5.5/7.5
	Spindle torque(FANUC)	N.M	26.3		35.8	26.3
	Spindle driving method		belt	direct	belt	direct
Feed	Travel (X/Y/Z)	mm	500/400/500		650/400/500	
	Distance from column to spindle center	mm	451			
	Rapid traverse rate	m/min	48/48/32			
	Slide type		LM guide			
ATC	Number of tools	T	16			
	Max. tool diameter	mm	78/120			
	Max. tool length	mm	220			
	Max. tool weight	kg	8			
	Tool change time	sec	2.5			
Accuracy	Positioning accuracy	mm	0.008			
	Re-positioning accuracy	mm	0.005			
Power supply	Air consumption	kg	6-8			
	Electric power supply	KVA	15			
	Voltage	V/HZ	380/50			
Machine	Machine dimension	mm	2100x2100x2550			
	Machine weight	kg	3900		4100	

SPECIFICATIONS

SVB500



SVB650

