

MUTECH[®]
ELEGANCE IN TECHNOLOGY

SZ-1900VD/1900VSD



MILLING MACHINE SYSTEM

Higher Efficiency Through Better Design

SZ-1900VD / SZ-1900VSD System



Lubrication oil control valve

Pressure-reserved lubrication oil control valves are installed as standard to control lubrication oil supply as even as possible to ballscrew, Gear and 3 axes.



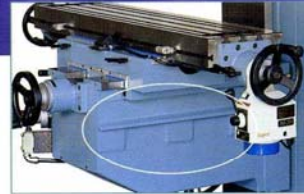
Quality inspection equipment

German-made 3D coordinate measuring machine is employed in our machine shop. All precision components and parts are precisely inspected.



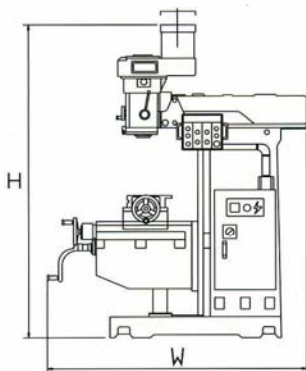
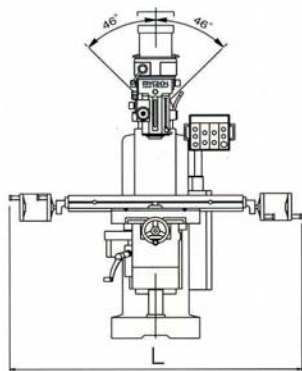
Precision ball screw

Pre-loaded with double nuts C5 class precision ballscrew is installed on X & Y axes ensuring the transmission quality- small backlash & fine positioning.



Optical scale protection

Protection design on optical scale is built-in from the design stage. It provides the collision & watering free from the scales during the cutting.



Standrd Accessories

1. Draw bar. (manual)
2. Tool box and tools.
3. Chip cover on y axis. (rubber)
4. Working light
5. Tapping equipment of spindle
6. X axis servo motor

Optional Accessories

1. Draw bar. (pneumatic)
2. Elevating deep equipment of spindle
3. Y axis servo motor
4. Coolant system
5. Chip cover on y axis (stainless)
6. Table splash guard
7. Digital readout
8. CE regulation



High rigidity machine structure

FC30 & FCD45 are materialized on machine frame structure. All frames are compulsorily by tempering treatment to reduce the inner stress. It ensures the features of the highest resistance, deformation-free and highest rigidity. With enforced ribs design, the harmonious vibration during cutting is absolutely minimized. All machine life can be prolonged accordingly.

	Specification	SZ-1900VD	SZ-1900VSD
Main Spindle	Spindle speed	75~3600rpm 16 speed	60~3600rpm variable speed
	Spindle taper	NST #40	NST #40
	Swive angle of head	45° (R&L)	45° (R&L)
	Overarm travel	450mm	450mm
	Quill travel	140mm	140mm
	Distance of spindle to table	0 ~ 530mm	0 ~ 530mm
	Distance of spindle center to column surface	165 ~ 615mm	165 ~ 615mm
	Quill feed per revolution of spindle	0.035/0.07/0.14mm (a circe)	0.035/0.07/0.14mm (a circe)
Table	Working table area (LxW)	1200 x 290mm	1200 x 290mm
	Longitudinal travel manual/auto	650mm	650mm
	Cross travel	350mm	350mm
	Vertical travel of knee	400mm	400mm
	T-slots	16 x 3 x 63mm	16 x 3 x 63mm
	Cutting federate (X)	0 ~ 1500mm / min	0 ~ 1500mm / min
	Rapid traverse (X)	3000mm / min	3000mm / min
	Table elevating speed	1150mm / min	1150mm / min
Motor	Main spindle	3.7kw (5HP)	3.7kw (5HP)AC
	Table elevating	0.75kw (1HP)	0.75kw (1HP)
	Lubricating pump	150w	150w
	Electromagnetic pump	40w	40w
Machine Weight & Packing	Machine measurement(LxWxH)	1800 x 1640 x 2370mm	1800 x 1640 x 2490mm
	Packing measurement(LxWxH)	1700 x 1900 x 2200mm	1700 x 1700 x 2200mm
	Net weight	2036kgs	2060kgs
	Gross weight	2236kgs	2260kgs

• All specification , dimension and design characteristics shown in this catalogue are subject to change without notice.

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