



a legacy of excellence since 1924.

WORLDWIDE

Our global manufacturing, distribution, and sales and service network allows us to deliver quality Sunnen solutions worldwide.

And our state-of-the-art Technical Services Centers allow our technical experts to develop innovative solutions to customer application challenges. The Centers also provide answers for customer questions and training for Sunnen representatives around the world.

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SV-2010AXYS CNC VERTICAL HONING CENTER

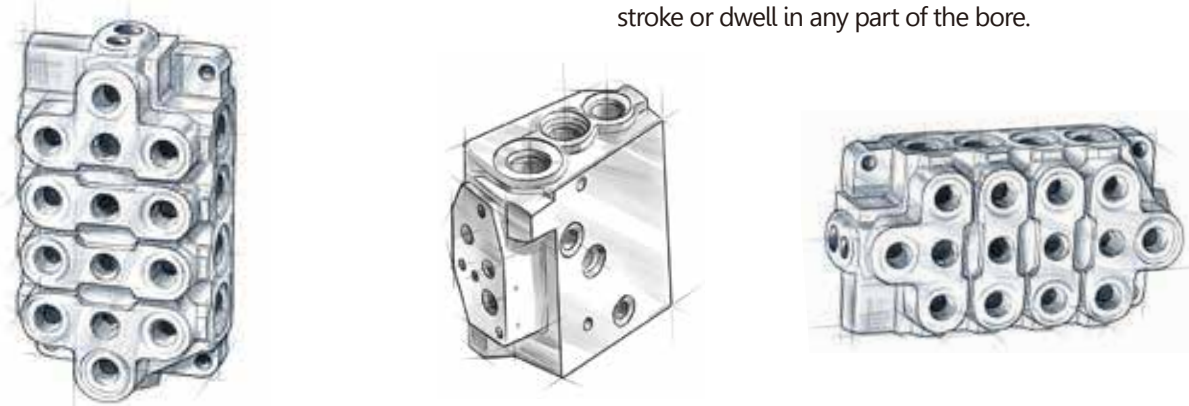




Standard Features

- Incorporates Sunnen Professional Honing Program with full honing functions
- Powerful i5 CNC control system for easy operation
- Rugged, solid casting base reduces vibration for enhanced performance and precision honing
- Cast iron column for increased rigidity and optimum precision
- High-resolution (20 million pixels) industrial camera for precision bore position
- Servo controlled X Y worktable
- "Lubed-for-life" over-sized stroke guideways ensure superior performance and long, trouble-free life
- High-torque 7.5 kW output belt-drive servo spindle provides power and precision
- Advanced servo stroke control allows the machine to short stroke or dwell in any part of the bore.

TYPICAL APPLICATION RESULTS



Part Material	HT300	QT500 -7
Specifications Before Honing		
Bore Diameter	Ø28 mm	Ø22 mm
Bore Length	208 mm	206 mm
Cylindricity	0.008 mm	
Surface Finish	Ra0.8 um	
Stock Removal	0.05-0.06 mm	0.03-0.04 mm
Specifications After Honing		
Bore Diameter	Ø28 mm	Ø22 mm
Bore Diameter Tolerance	(+0.002/+0.005) mm	
Cylindricity	< 0.003 mm	
Surface Finish	Ra0.2 um	



(MC Multi-Stone Tool)

GENERAL INFORMATION & SPECIFICATIONS

SUNNEN Vertical CNC Honing Center	SV-2010AXYS
Diameter Range (ID):	3-65mm
Maximum weight of workpieces and fixtures:	800KG
Maximum height of workpiece:	300mm
Maximum dimension of workpiece:	600mm(L) X 300mm(W) X 300mm(H)
Carriage Travel:	630mm
Reciprocation Speed (Stroke):	30-400SPM
Column Motor:	7.5KW
Spindle Speeds:	100-4000RPM
Spindle Motor:	7.5KW
Feed Force:	Up to 3800N
Worktable Dimensions:	800mm(L) x 350mm(W)
X Axis Sliding Table Travel:	1840mm
X Axis Sliding Table Motor:	2.9KW
Y Axis Sliding Table Travel:	230mm
Y Axis Sliding Table Motor:	1.8KW
Floor Space(Machine):	3,410mm(L) x 1,800mm(W) x 3,300mm(H)
Floor Weight (Dry):	7,800KG
Floor Load:	1,500 kg/sq. meter
Electrical Requirements:	400V, 50Hz,3Ph, 100A; 460V,60Hz,3Ph,85A
Color:	Pearl White /Red (Custom Colors Available)
Noise Emission:	Less than 72 dB(A) continuous Less than 78 dB(A) peak Load (max. noise) condition in a typical factory environment.
Industrial Camera:	20 million pixels

From design to delivery, you have the Sunnen commitment to service and quality assurance. Our technical experts will work with you to determine the optimum style of tooling, fixturing and abrasives, and provide a written proposal. After your system is built, we'll set up a live run-off demonstration at our facility. Once it meets all specifications, we'll commission your system and train your staff.