



## VS90 Valve seat and guide machine

### Features :

1. Featuring the new generation of valve seat boring. Provides more than a 30% decrease of cutting forces during Machining.
2. Angular accuracy within  $\pm 0.5$  degree guaranteed on multi-angle cutter.
3. Machining capacity from 0.55"/ 14 mm to 3.6 "/ 90 mm.
4. Modern modular machine bed design for improved rigidity. Computer enhanced static and dynamic characteristics provide 5. The latest in machining technology.
6. New improved lighting system.
7. New table bars with pneumatic locking.
8. Fully integrated spindle motor, Infinitely variable speed 100 to 1200 RPM, with sensorless Vector Flux Control. Forward and reverse
9. directions. Extremely broad torque ratings from lowest RPM with constant torque spindle rotation. Digital RPM read-out for accurate speed setting.
10. Patented Workhead with triple Air-Float Automatic Centering System and built-in spindle motor. Greatly reduces the number of free-floating parts during the centering sequence. Results in minimal work-head inertia and maximal floatation for unmatched centering sensitivity.
11. High quality smooth, 3 tone paint work.

**TECHNICAL FEATURES:**

<b>Machine Space requirements</b>	<b>Valve seat and guide machine</b>	
Length	Mm/inch	1440/56.7
Width	Mm/inch	1050/41.3
Height	Mm/inch	2170/85.4
<b>Machine Space requirements</b>		
Length		Unlimited
Width	Mm/inch	500/19.7
Height	Mm/inch	450/17.7
Crosswise work piece tilting	Degrees	+42~-15
<b>Machining capacity</b>	mm	14-90
	inch	0.55-3.6
<b>Work head displacement</b>		
Lengthwise	Mm/inch	930/37
Crosswise	Mm/inch	40/1.6
Sphere cylinder travel	Mm/inch	9/0.4
<b>Spindle</b>		
Max. spindle inclination	Degrees	5
Spindle travel	Mm/inch	200/8
Spindle motor power	Kw	2.2
Spindle rotation	Rpm	100-1200
Power supply	230V/60Hz 3Ph	
Air flow	Bar/psi	6/87
Max. air	l/min/cfm	300/11
Level of noise at 400rpm	DbA	72
At 1200rpm	dba	82
N W/G W	Kg/lbs	1480/3260