Valve Seats Boring Machine Model: BV90

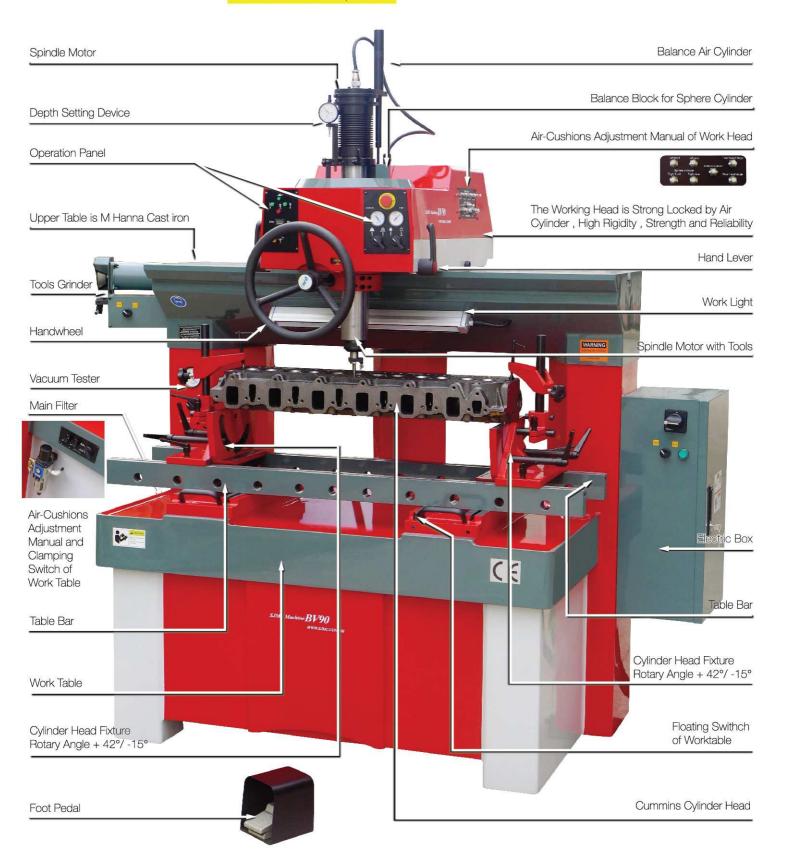






This product is TÜV SÜD - tested and has already gained CE certificate

FESTO pneumatic components Schneider electrical components

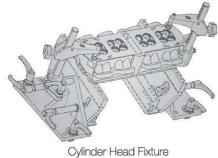


Valve Seat Boring Machine Model: BV90 with high availability meets the requirements of boring, reaming and cutting machining for high accuracy valve guides and valve seats. Triple air-float patented centering system and powerful spindle with built-in motor. Designed for the valve seats from the smallest to the bigger diameter. This machine can repair any existing engine, from the micro-engine up to the big stationary engine, machining capacity from 18mm to 90mm. To reach the requirements of high precision machining for valve guides with a small diameter of 4mm.

Specifications

Model	BV90
Type of Drive System	Air / Electric
Max. Length of Cylinder Head	unlimited
Max. Width of Cylinder Head	500 mm
Max. Height of Cylinder Head	450 mm
Max. Boring Dia.	18 – 90 mm
Work Head Longitudinal Floating Travel	990 mm
Work Head Cross Floating Travel	40 mm
Sphere – Cylinder Travel	9 mm
Floating inclination angle of Spindle	5°
Table Travel	160 mm
Vertical Travel of Spindle	200 mm
Power of Spindle	1.8 kW Spindle Motor
Max. Torque of Spindle Motor	25 Nm
Spindle Speed	50 – 800 rpm stepless
Power of Tools Grinder	0.18 kW
Tools Grinder Rotation Speed	2800 rpm
Clamper Rotary Angle	+ 42°/ -15°
Required Rated Air Pressure	6 Bar / 85 PSI
Required Max. Air Flow	400 L / Min
Required Continuous Air Flow	60 L / Min
Length of Machine	1685 mm
Width of Machine	1050 mm
Max. Height of Machine	2180 mm
Min. Height of Machine	1980 mm
Roughness of Finishing	Ra 0.6
Package Size (L×D×H)	1860×1150×2200 mm
N.W. / G.W.	1500 Kg / 1800 Kg

^{*} All technical data and photos are subject to change due to designing without notice

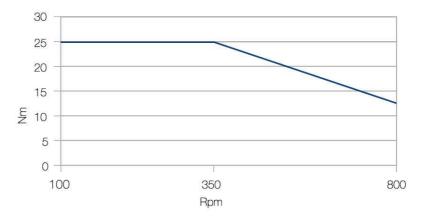


floating table stroke

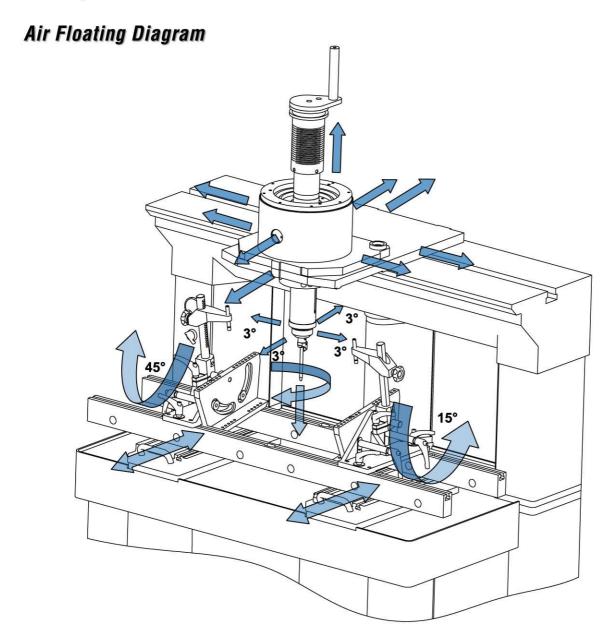
Air Floating Worktable

Spindle Motor Torque Curve



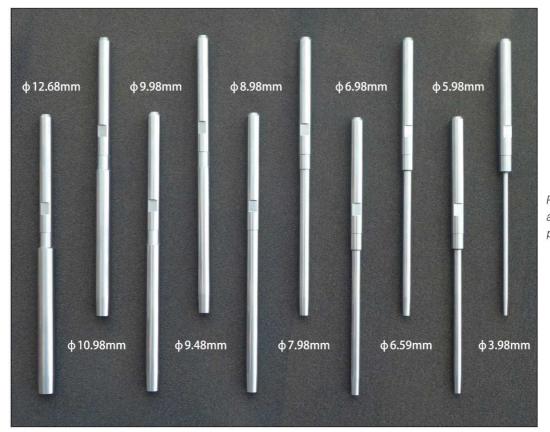


 ${\it 1.5~kW spindle motor is controlled by YASKAWA vector frequency converter ,} \\ {\it low speed constant torque , high speed constant power} \\$

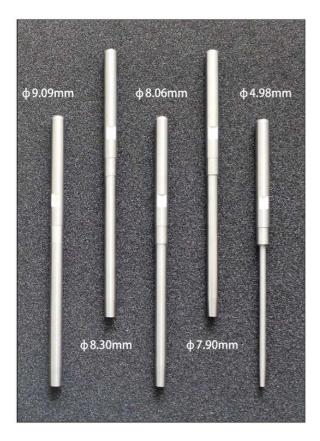


Accessories

Carbide Pilots \$\infty\$ 9.52 Standard



Please refer to the appendix of pilots page No.76~77







Please refer to the appendix of Carbide Tips page No.52~75

^{*} The BV90 is equipped 15 pieces of Carbide Pilots as standard Acc. You can free to choose any size

^{*} The BV90 is equipped 10 pieces of Carbide Tips as standard Acc. NEWEN tips Made in USA

NWN5100F Tool Unit 18~40 mm



NWN5100F Fits Tip Holders NWN2000 , NWN2001 , NWN2002

4) NWN5300 Tool Unit 40~80 mm



NWN5300 Fits Tip Holders NWN2003 , NWN2004 , NWN2005





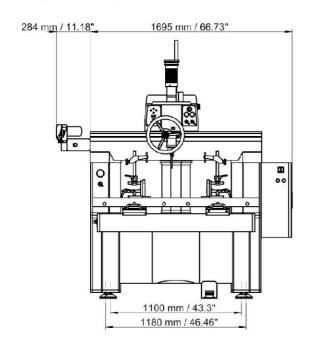


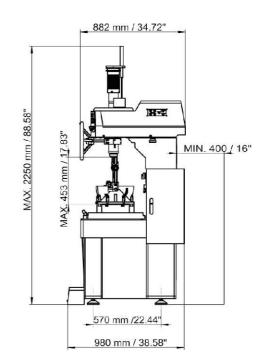
Table of Standard Acc. and Optional Acc.

Standard	1,	2,	3,	4,	5,	6,	7,	8,	13,	14,	16	
Optional			9,	10),	11,	12,	15,	17			

^{*} Special size of Carbide Pilots and Carbide Tip, please contact with our sales staff

Required Space





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