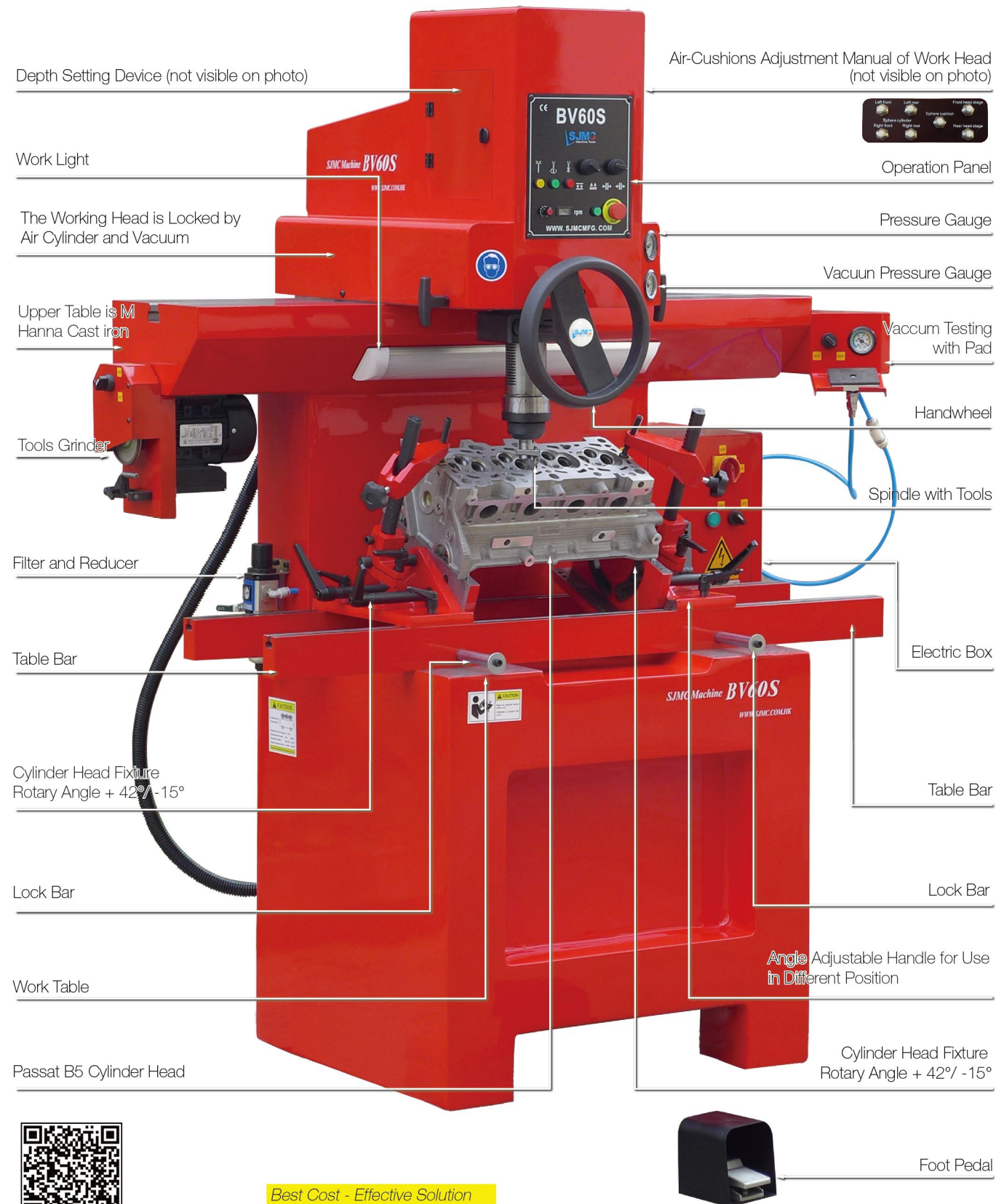


Valve Seats Boring Machine

Model: BV60S



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



Best Cost - Effective Solution



Video Online

Valve Seat Boring Machine Model: BV60S uses a compact design and offers a competitive price with its feature and accuracy. It can easily process six-cylinder heads and light truck heads on vehicles, however, it works best for processing cylinder head of motorcycles and middle size, small size yachts. Nowadays, new snow mobiles with continuous tracks on four-stroke engines, Private jet boats and all-terrain cars all use small valves. BV60S can process the valve seats accurately. You can have good surface finish with no chatter mark and perfect concentricity with BV60S.

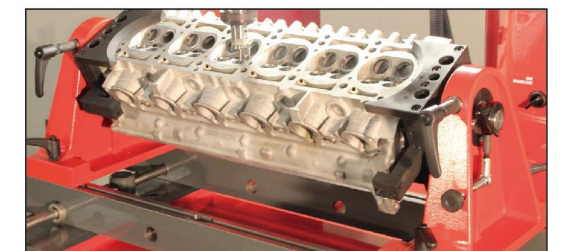
Specifications

Model	BV60S
Type of Drive System	Air / Electric
Max. Length of Cylinder Head	1000 mm
Max. Width of Cylinder Head	420 mm
Max. Height of Cylinder Head	170 mm
Max. Boring Dia.	14 – 60 mm
Work Head Longitudinal Floating Travel	850 mm
Work Head Cross Floating Travel	30 mm
Sphere – Cylinder Travel	10 mm
Floating inclination angle of Spindle	±3°
Vertical Travel of Spindle	170 mm
Power of Spindle	0.6 kW Servo Motor
Max. Torque of Spindle Motor	12 Nm
Spindle Speed	50 – 1000 rpm stepless
Power of Tools Grinder	0.12 kW
Tools Grinder Rotation Speed	2800 rpm
Clamper Rotary Angle	360°
Required Rated Air Pressure	5 Bar / 73 PSI
Required Max. Air Flow	300 L / Min
Required Continuous Air Flow	60 L / Min
Overall Dimension of Machine (LxWxH)	1100x930x1800 mm
Roughness of Finishing	Ra 0.6
Package Size (LxDxH)	1900x1300x2200 mm
N.W. / G.W.	780 Kg / 980 Kg

* All technical data and photos are subject to change due to designing without notice.

Optional 360° Roll Over Fixture

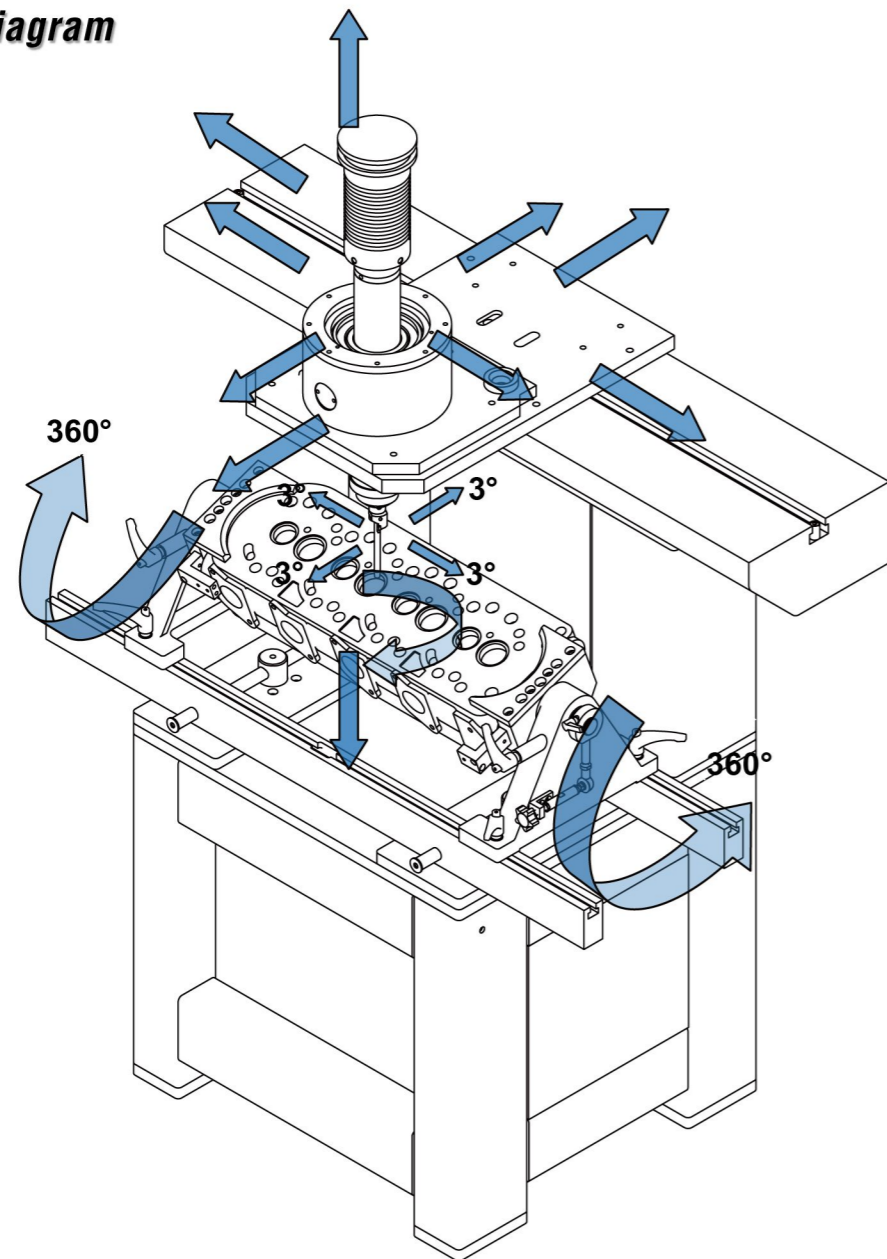
This feature allows a quick and easy mounting of the cylinder head while keeping a powerful clamping thanks to two jaws. It makes easier operations which require the access to different sides of the head. Guide levelling is made with the fine feed setting.



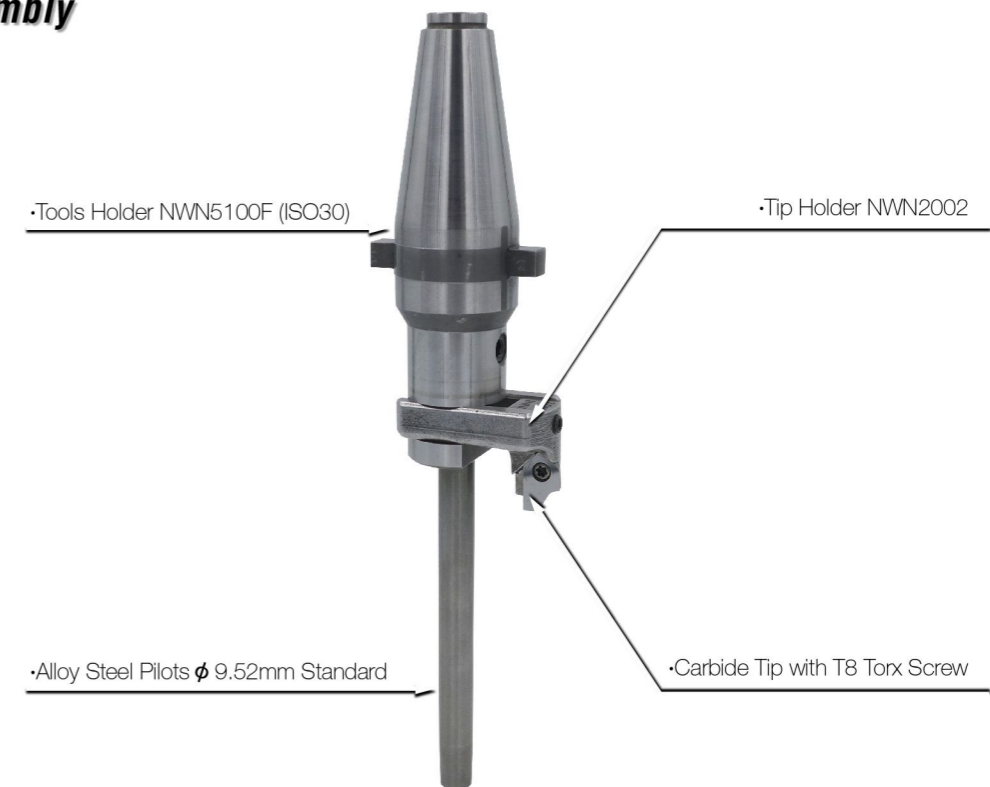
Features

1. Machining Capacity: 14 mm / 0.55" - 60 mm / 2.36"
2. SJMC's high-accuracy carbide centering pilots and super light workhead gives perfect centering in the valve guide and the good concentricity.
3. Lightweight workhead: built-in servo motor and triple air-float automatic centering system. Minimal workhead inertia and maximal floatation for unmatched centering sensitivity.
4. Spindle Servo Motor: Infinitely variable speed 100 – 1000 rpm, with sensor less Vector Flux Control in open loop. Extremely broad torque ratings from lowest RPM with constant torque spindle rotation. Digital RPM read-out for accurate speed setting.
5. Air Floating work table and Vacuum clamping
6. 360 Degree Rollover Fixture
7. Equipped with downfeed DRO. for spindle feeding. Accuracy 0.01 mm, Shows the operator exactly how much has been removed from the seat assuring consistent seat depth
8. Machine body integrated with Tools cabinet, convenient storage of tools holder, Tip holder, Pilots, Insert, Tools setting device, and other accessories of tooling available from SJMC
9. Compact design and Competitively priced
10. The KVA of the BV60S in full load condition is less than 0.5kW, Economic, environmental and high efficiency.

Air Floating Diagram



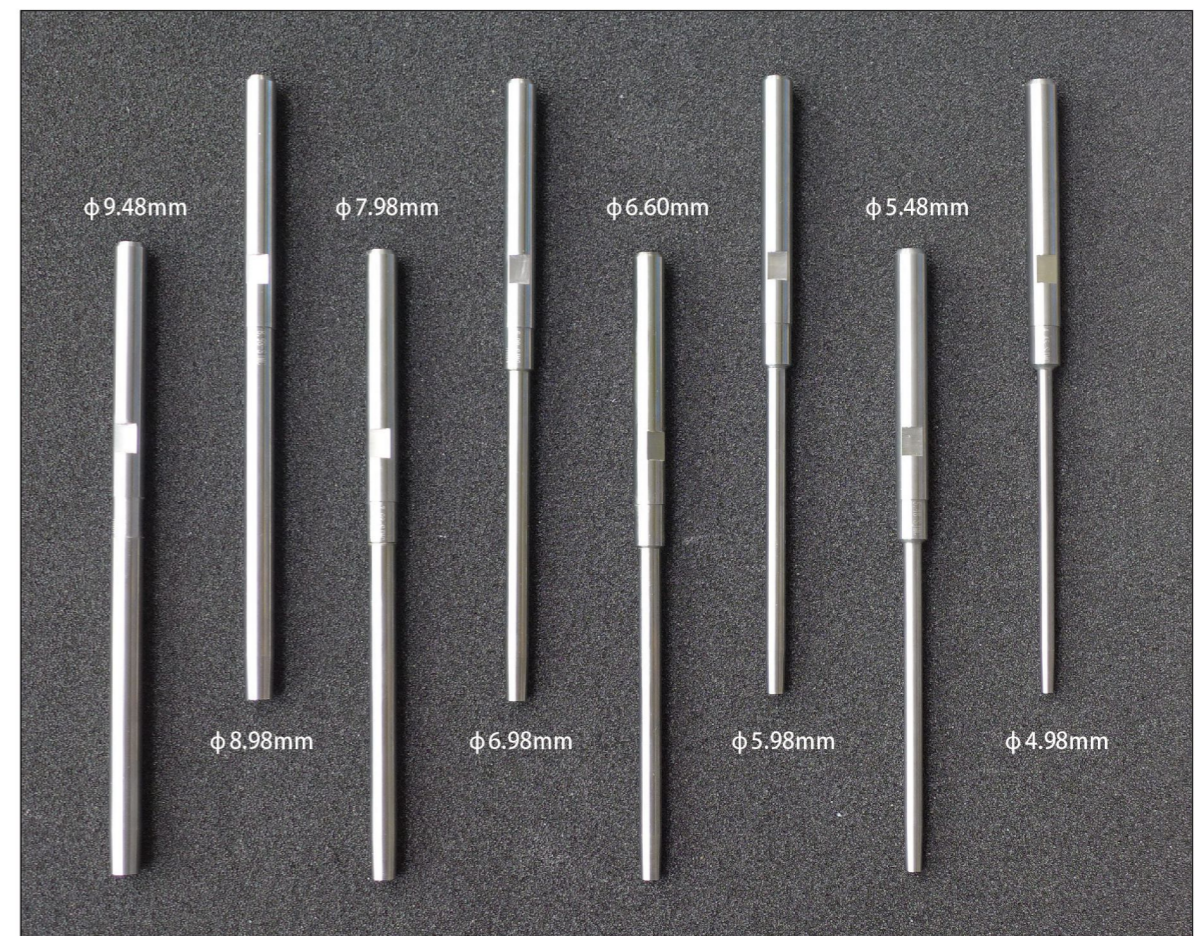
Tools Assembly



Accessories

- 1 Hard Alloy Steel Pilots φ 9.52 Standard (≥ 60 HRC)

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



* The BV60S is equipped 8 pieces of Alloy Steel Pilots as standard Acc. You can free to choose any size.

2 Tools Holder ISO30



NWN5100F Fits Tip Holders
NWN2000 , NWN2001 ,
NWN2002

3 Carbide Tip



Please Refer to the Appendix
of Carbide Tips Page No.52~75

4 Tip Holder

NWN2002



Diameter Range: 40-60 mm

NWN2000



Diameter Range: 18-30 mm

NWN2001



Diameter Range: 28-42 mm

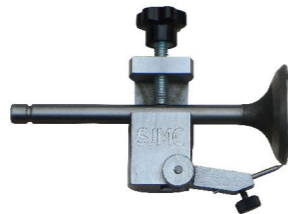
5 Dial Gauge



6 Vertical Level for Valve Seat



7 Tools Setting Device



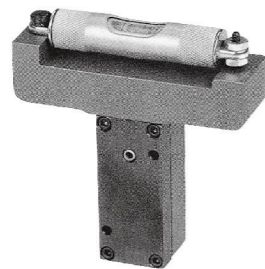
8 Vacuum Pad



9 Leveling Instrument



10 Special Level for Valve Seat



11 Adaptor for morse #2
to Taper ISO30



12 Pneumatic Vacuum Cleaner



13 T8x60 Torx Driver



14 9 Pcs Long Arm Ball
Point Hex Key Set



15 Precision Counterboring Setting
Micrometer



16 Cylinder Head Support Jack



17 Portable Vacuum Detector



Table of Standard Acc. and Optional Acc.

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

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

Required Space

