

Valve Seat Boring Machine

This boring machine utilizes air floating, auto-centering, and vacuum clamping to ensure high accuracy. It incorporates a frequency motor spindle for stepless speed adjustment and includes a vacuum test device to verify valve tightness.

序號	參數名稱(Engl/Front-end)	TQZ850	TQZ950	TQZ1050	TQZ1100
1	最大氣缸磨削直徑 (mm)	6-14 / 600 mm	6-14 / 600 mm	6-14 / 600 mm	6-20 / 600 mm
2	最大加工氣缸蓋孔深 (mm) Max. size of cylinder head for machining	1200x500x300 mm	1200x500x300 mm	1200x500x300 mm	1500x550x350 mm
3	氣缸磨削行程 (mm) of spindle motor	1.2m	1.2m	1.2m	1.2m
4	氣缸磨削速度 (mm/min) of spindle speed	0-1000rpm	0-1800rpm	0-1800rpm	0-1800rpm
5	氣缸磨削精度 (mm) of boring accuracy	±0.01mm	±0.01mm	±0.01mm	±0.01mm
6	氣缸行程 (mm) of stroke	200mm	200mm	200mm	200mm
7	氣缸磨削速度 (mm/min) of spindle speed	600mm/min	600mm/min	600mm/min	600mm/min
8	磨削工件最大重量 (kg) Max. weight of workpiece	150kg	150kg	150kg	150kg
9	磨削工件最大長度 (mm) Max. length of workpiece	1400mm	1400mm	1400mm	1400mm
10	磨削工件最大直徑 (mm) Max. diameter of workpiece	140mm	140mm	140mm	140mm
11	磨削工件最大重量 (kg) Max. weight of workpiece	150kg	150kg	150kg	150kg
12	磨削工件最大長度 (mm) Max. length of workpiece	1400mm	1400mm	1400mm	1400mm
13	磨削工件最大直徑 (mm) Max. diameter of workpiece	140mm	140mm	140mm	140mm
14	磨削工件最大重量 (kg) Max. weight of workpiece	150kg	150kg	150kg	150kg
15	磨削工件最大長度 (mm) Max. length of workpiece	1400mm	1400mm	1400mm	1400mm
16	磨削工件最大直徑 (mm) Max. diameter of workpiece	140mm	140mm	140mm	140mm

ADDITIONAL IMAGES



Overview

Precision Valve Seat Boring Machine

The air float centering valve seat boring machine provides a highly accurate solution for engine rebuilding and cylinder head maintenance. Designed with a rigid frame and high-precision spindle, it allows for tight tolerances and excellent surface finishes. This machine features an automated pneumatic clamping system and a multi-cutter boring head for increased efficiency and reduced operator effort in high-volume repair environments.

Performance Metrics

Key Performance Metrics

1.2 kW

Spindle Motor Power

1000 rpm

Max Spindle Speed

200 mm

Spindle Stroke

0.7 MPa

Required Air Pressure

Technical Specifications

Comparison Table

Specification	TQZ850B	TQZ85100
Boring Diameter (mm)	14-60	20-100
Max Cylinder Head Size (mm)	1200x500x300	1500x550x350
Spindle Move (mm)	950x35	1200x35
Machine Weight (Net/Gross) (kg)	1150/1350	1400/1800

Operating Requirements

Operational Specs

- Power Supply: 220V/50Hz
- Air Supply Flow: 300 L/min
- Fixture Rotary Angle: +45° to -15°
- Spindle Swing Angle: 5°

Certifications & Application

Application Areas

Engine Rebuilding, Automotive Repair, Precision Machining, Cylinder Head Maintenance