

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(Descriptive Name)	TQZ850	TQZ950	TQZ1000	TQZ1100
1	最大氣缸直徑 (Max. Cyl. Dia.)	85	95	100	110
2	最大氣缸頭尺寸 (Max. Size of Cylinder Head For Machining)	1200x500x300	1200x500x300	1200x500x300	1500x550x350
3	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
4	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
5	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
6	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
7	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
8	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
9	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
10	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
11	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
12	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
13	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
14	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02
15	氣缸直徑公差 (Cyl. Dia. Tolerance)	±0.02	±0.02	±0.02	±0.02

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	TQZ8560B	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