

CNC Valve Seat Boring Machine

This high-precision machine incorporates air-float automatic centering and a motor spindle. The air-floated table fixture enhances workpiece movement flexibility, making it suitable for repairing small motorcycle and automotive multivalve cylinder heads.



ADDITIONAL IMAGES



Overview

Precision Valve Seat Machining

The TL120CNC is a high-precision CNC machine engineered specifically for the efficient processing of various cylinder head types. Featuring a modern, lightweight, and high-stability design, it incorporates a self-adaptive triple air cushion boring work head and a high-torque built-in spindle motor. This machine simplifies complex operations through an intuitive touch screen interface and advanced clamping systems, ensuring consistent, high-quality results for engine remanufacturing and performance building.

Technical Specifications

Spindle Speed Range	2000 RPM
Table Travel	600mm x 400mm
Max Cylinder Head Height	300 mm
Clamping Rotation Range	-45° to +45°

Features

Cutting Modes

General Cutting • Step Cutting

Core Capabilities

CNC Control, Triple Air Cushion, High Torque Spindle, Touch Screen Interface, Electronic Pulse Handwheel

Accessories

Included Accessories

- Bit holder
- Tool holder
- Pilot
- Bits
- Tool setting device
- Sharpener
- Clamping system

Optional Accessories

- TD-ER20SW spanner wrench
- TD-ER20SC spring collet
- T3200 Adaptor for morse
- T3100 Precision chuck with MT2 shank
- TENDTOOL REAMER RN Type
- TD-ER20CN ER-32 clamping nut