

# Vertical Fine Boring Machine

This vertical boring machine is designed for machining cylinder sleeves in engines for ships, locomotives, and automobiles. It is also suitable for creating high-precision holes in various workpieces, featuring stepless spindle speed and an automatically defined stop tool.



## Overview

### Industrial Precision Boring and Milling

The Vertical Fine Boring-Milling Machine is engineered for the high-precision machining of large and deep holes, specifically designed for engine components like locomotive, steamship, and automotive cylinder bodies. This versatile machine combines robust vertical boring capabilities with surface milling functionality. Featuring servo-motor control for movement and a variable-frequency motor for stepless spindle speed adjustment, it provides the precise control necessary for demanding industrial applications.

## Technical Specifications

Control System	PLC, Servo-Motor, Man-Machine Interaction
Spindle Drive Type	Variable-Frequency Motor
Speed Control	Stepless speed change

## Key Features

### Core Machining Capabilities

- Boring of large and deep holes
- Engine cylinder body machining
- Surface milling of cylinders

### Design Advantages

Vertical Space Optimization • High-Rigidity Frame • Consistent Performance