

# Metalworking Vertical Drilling Machine

This precision vertical drilling machine is designed for metalworking applications. It features a robust construction, variable speed control, and a coolant system for efficient and accurate drilling.

MERHEIN		VERTICAL DRILLING	
WD5040		VERTICAL DRILLING	
Item No.		WD5040	
Description		DESCRIPTION	
Maximum drill tapping capacity	Ø 100T Ø 100T/Ø 100T	mm	40/20/24
Spindle speed	1500RPM	mm	145
Maximum spindle speed to maximum diameter	Ø 100T Ø 100T/Ø 100T	mm	145
Max. distance spindle travel to maximum diameter	Ø 100T Ø 100T/Ø 100T	mm	18.000
Distance spindle travel to base	Ø 100T Ø 100T/Ø 100T	mm	1120
Max. load of worktable	Ø 100T Ø 100T/Ø 100T	mm	220
Spindle travel	Ø 100T	mm	1800
Spindle power (net output)	Ø 100T/Ø 100T	kW/HP	0.3/0.4
Spindle speed range	Ø 100T	rpm	30-1450
Spindle speed steps	Ø 100T/Ø 100T	mm	18
Spindle diameter	Ø 100T	mm	100
Worktable size	Ø 100T	mm	1000x500
Distance between columns	Ø 100T	mm	1700x800
Distance between bases	Ø 100T	mm	1000x500
Control panel	Ø 100T	mm	75
Motor power	Ø 100T	mm	1000x500
Feeding rate (mm/min)	Ø 100T	mm	20-1500/110
Spindle run	Ø 100T	mm	1000x500
Spindle stop	Ø 100T	mm	1000x500
Spindle stop	Ø 100T	mm	1000x500

## ADDITIONAL IMAGES



## Overview

### Professional Vertical Drilling Solutions

The WD5040 vertical drilling machine is a robust precision tool engineered for versatile metalworking applications. Featuring a high-performance variable speed system and an integrated cooling pump, it ensures efficient drilling, reaming, and tapping operations. Its heavy-duty construction and intuitive control panel make it an ideal choice for high-precision manufacturing environments.

### Key Features

Variable Speed, Coolant System, Precision Drilling, Tapping Capable

## Key Performance Metrics

### Core Capacities

**40 mm**

Max Drilling Capacity

**24 M**

Max Tapping Capacity

**1450 rpm**

Max Spindle Speed

## Technical Specifications

### Spindle Configuration

Feature	Value
Spindle Travel	180 mm
Spindle Taper	MT4
Spindle Speed Steps	18
Spindle Power Feed	0.1/0.2 mm/r

### Machine Dimensions

Component	Measurement
Worktable Size	560x560 mm
Column Diameter	150 mm
Base Dimensions	735x510 mm
Distance (Spindle to Column)	350 mm

## Logistics and Power

### Power and Logistics

- Motor Power: 0.85/1.5 KW
- Cooling Pump Power: 75 W
- Net Weight: 500 Kg
- Gross Weight: 600 Kg
- Packing Size: 227x58x110 cm
- 20' Container Load: 20 sets