

# CNC High Speed Drilling, Punching, and Disk Marking Machine

This CNC machine performs high-speed drilling, punching, and disk marking. It features a robust frame and a CNC control system for precise and automated operations.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency CNC Processing Center

The TPPRHD103 is a versatile CNC machine engineered for simultaneous drilling, punching, and disk marking operations on a single plate. Designed for industrial metal fabrication, it utilizes a Siemens CNC system and servo-driven X, Y, and Z axes to ensure high precision and repeatable quality. Featuring a modular assembly for easy maintenance and a robust hydraulic cooling system, this machine optimizes workflow efficiency while reducing manual labor intensity.

## Operational Metrics

### Key Performance Metrics

**1200 kN**

Punching Force

**125 kN**

Marking Force

**50 mm**

Max Drilling Diameter

**3000 r/min**

Max Drilling Speed

### Workpiece Capacity

Parameter	Value
Max workpiece size (LxW)	1500x800 mm
Max punching thickness (Q235)	5-25 mm
Max punching thickness (Q420, 16Mn)	5-20 mm
Max drilling thickness	40 mm

## Technical Specifications

### Drilling Spindle Specs

- Taper: BT50
- Stroke: 350mm
- Spindle Torque: 280Nm
- Motor Power: 22kW

### Standard Features

Siemens PLC, Servo Motor Control, Internal/External Cooling, Self-diagnosis, Modular Assembly

## Physical Dimensions

### Physical Dimensions & Weight

- Overall Dimensions: 3300x3200x3000 mm
- Machine Weight: Approx. 8000 kg