

# DM-12CNC

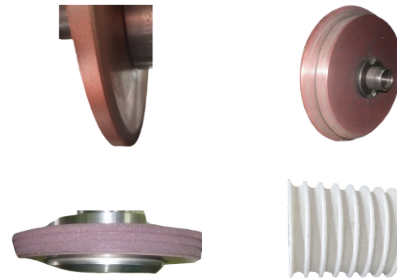
## CNC WHEEL DRESSING MACHINE

The Tridex DM-12 CNC Grinding Wheel Dressing Machine is your standalone solution for precision grinding wheel dressing. Capable of dressing wheels up to 12" (310mm) in diameter and 9.4" (240mm) wide, this versatile machine seamlessly integrates into your manufacturing process. Its interchangeable arbors ensure compatibility across all in-feed, thru-feed, and OD/ID grinders using wheels within the size envelope. It is designed to handle aggressively hard electrochemical resin-bonded wheels used on Tridex ECG Grinding Machines. Shape wheels offline for uninterrupted production, optimizing your grinder's efficiency. Fully CNC-controlled, the DM-12 enables precise dressing of custom wheel geometries, ensuring utmost accuracy. Elevate your grinding process with the Tridex DM-12 CNC – the ultimate solution for precision, reliability, and productivity.



### KEY FEATURES

- Interchangeable arbors ensure compatibility across all in-feed, thru-feed, and OD/ID grinders using wheels within the size envelope.
- Standalone machine that CNC dresses precision contours in vitrified, resin, and superabrasive grinding wheels.
- Designed to handle aggressively hard electrochemical resin bonded wheels used on Tridex ECG Grinding Machines.
- Fully functional Mitsubishi CNC control with color HMI screen.
- Ensures uninterrupted grinding by dressing wheels offline.
- Uses long lasting diamond dressing rolls of various shapes.
- Adapts to diverse workshop layouts, maximizing space efficiency.
- Standard coolant and filtration system.
- 5.5kW Main Spindle Motor
- 0.75kW Dressing Spindle for 4-6" Diameter Dressing Rolls



The DM-12 CNC supports grinding wheels up to 12" diameter and 9.4" wide.

### SPECIFICATIONS

**Wheel Diameter Max:** 12" (310mm)

**Wheel Length Max:** 13.7 (350mm)

**Rapid Traverse Speed (X axis):** 1200"/min (30mm/min)

**Rapid Traverse Speed (Z axis):** 1200"/min (30mm/min)

**Electrical requirements:** 480VAC, 3PH, 50/60Hz

**Power Consumption:** 20kVA

**Machine Footprint:** 78" x 74" x 73" (1980mm x 1880mm x 1850mm)

**Machine Weight:** 6,600 lbs (3,000kg)