



MillRight CNC Model M3 Specifications

Price: \$850

Machine Classification: Fixed Gantry, Moving Bed, 3 Axis

Movement Range: 10.25" x 10.25" x 2"

Cutting Tool: DeWalt DWP611 Router, 1.25 HP, 16,000-27,000 RPM, ¼" collet

Laser Engraver: 1.8 Watt, 445 nanometer wavelength, variable intensity (for engraving only)

Millable Materials: MDF, softwood, hardwood, plywood, plastics, FR4 copper clad boards, carbon fiber, aluminum, etc. (Milling settings vary by material, cutter geometry, etc.)

Laserable Materials: MDF, softwood, hardwood, plywood, cardboard, foam, paper

Rapid Traverse Rates: 315 IPM (X and Y); 118 IPM (Z)

Micro-step Resolution: 0.001" (X and Y); 0.0005" (Z)

No-load Repeatability: Approximately 0.006" or less

Motors: NEMA 17, 76 oz/in

Linear Motion: V wheels on extrusion (X and Y); Linear bearings on linear shaft (Z)

Drive Mechanism: 10mm wide fiberglass reinforced GT2 belt with 20 tooth GT2 pulley

Work holding: Grid of sixteen pronged 10-32 tee nuts

Firmware: Grbl 0.9, USB based, preconfigured

Construction: MDF frame, aluminum extrusion rails, aluminum bearing plates

Finish: Black epoxy, moisture and cutting oil resistant

Homing Switches: Yes

Overall Dimensions: 19" x 19" x 16.5"

Weight: 25 lbs.