

# NEW **MODELA MDX-50** *Benchtop CNC Mill*



*Introducing the new MDX-50, Roland's most advanced benchtop CNC milling machine ever. The ideal solution for short-runs and prototypes, it combines precise, automated milling with unmatched ease-of-use. By reducing operating time and simplifying production, users of all abilities can mill functional parts with incredible quality on ABS, POM, nylon, plastic foam, modeling wax, chemical wood and more.*

*With an improved drive system, machine rigidity and enhanced drive mechanics, the MDX-50 mills incredibly smooth and accurate prototypes for testing structure, function, and assembly with other parts. A machining area of 15.7"(400mm) (X) x 12"(305mm) (Y) x 5.3"(135mm) (Z) supports production of large single objects or batch production of smaller multiple parts.*

*The automated features of the MDX-50 enable users to mill with speed and confidence. Combine the 5-station ATC and optional rotary axis unit for the most automated and precise operation:*

- *Auto-sensing function corrects the tool length to ensure milling accuracy for every job*
- *Optional rotary axis for effortless production of complex surfaces:*
  - *Includes a wide, self-centering headstock and tailstock workpiece clamps*
  - *Auto-rotates materials from 0-to-360 degrees. Indexes for 2-sided, 4-sided and custom angles*



*Operating range X: 15.75in (400mm) Y: 12.00in (305mm) Z: 5.315in (135mm)*

*Table size W: 15.75in (400mm) D: 12.00in (305mm)*

*Loadable workpiece size X: 15.75in (400mm) Y: 12.00in (305mm) Z: 3.90in (100mm)*

*Optional ZCL-50A Rotary Axis Unit*

*Operating range X: 14.29 in (363mm) Y: 12.01 in (305 mm) Z: 4.92 in (125 mm)*

*A: A:  $\pm 2146680^\circ$  (approximately  $\pm 5963$  rotations)*

*Loadable workpiece size 4.72 in (120mm) - 2.36 in (60mm) maximum radius from center of rotation*

*Loadable workpiece length 14.96 in (380mm)*

## **Key Features Overview**

- *Improved drive system supports dimensional stability – create prototypes with millimeter accuracy*
- *5-tool Automatic Tool Changer - continuous operation without stopping to change tools*
- *Expanded machining area plus enhanced machine rigidity and drive mechanics*
- *Built-in control panel - almost all operations can be completed from the unit itself*
- *Optional Rotary Axis - wider than previous models with self-centering headstock and tailstock workpiece clamps*
- *User-friendly SRP Player CAM and ClickMill software included*
- *Built-in debris collection drawer and newly-designed machine door for safe and clean production*



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