MODELA MDX-50

Simply Advanced

Automated 3D milling right from your benchtop.

Roland®

Create Functional Prototypes With So Many Materials

The MDX-50 benchtop CNC mill combines precise, automated milling and unmatched ease-of-use. An ideal solution for short-runs and prototypes, it reduces operating time and simplifies production so users of all abilities can mill on a wide range of materials.

Woods
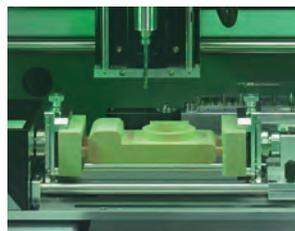Composites

Prototyping Foam

Mechanical Plastics
and Resins

Automated Production

The MDX-50 features a 5-station Automatic Tool Changer with an auto-sensing function to detect tool length and ensure milling accuracy.
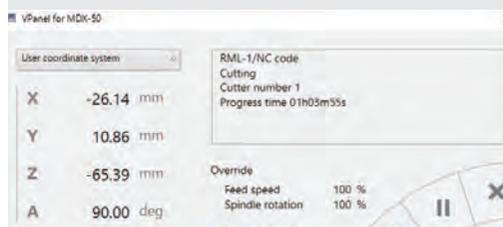
Optional Rotary Axis with self-centering headstock and tailstock workpiece clamps.

Operator-Friendly Controls

Almost all machine operations can be controlled from a built-in control panel without having to go back to a PC.

The VPanel serves as a computer-based virtual controller with all of the functionality of a physical on-board control panel, as well as tool life management and e-mail alerts.

For monitoring machine status in busy classrooms and studios, current job status can be checked from a distance with multi color-coded LED status lights and email notifications.
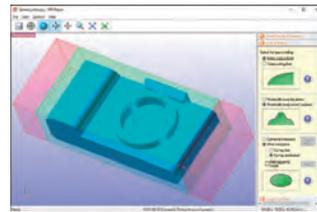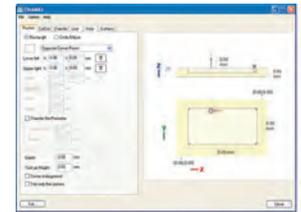
Included Software for Experts and Beginners

Popular industry and education software, SRP Player CAM has been updated to match the advanced functions of the MDX-50. Milling settings can be configured in five simple steps, making operation very straightforward.

Other bundled software includes ClickMill software for surfacing, drilling holes, cutting pockets and other finishing processes.

SRP Player CAM   ClickMill
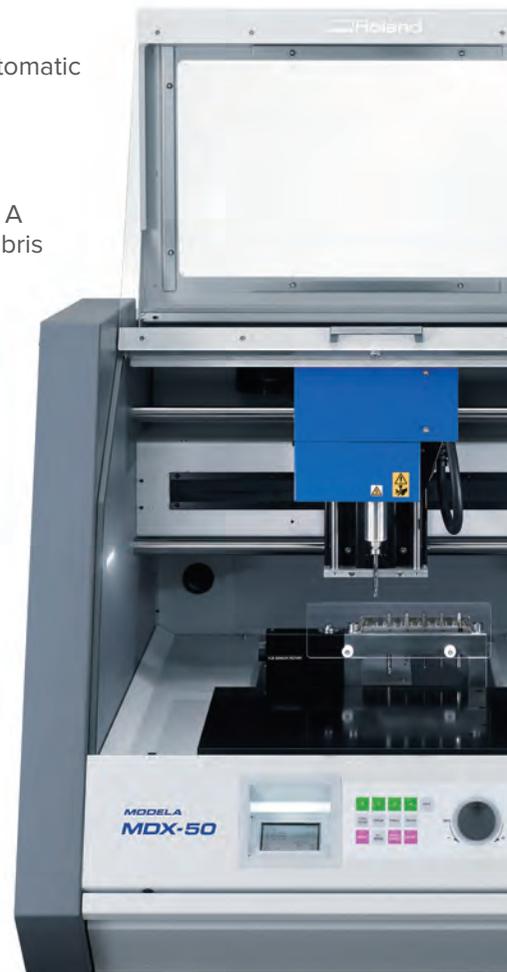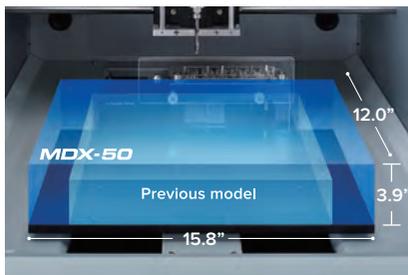
Mill Fine Details and Smooth Finishes

With an advanced drive system, machine rigidity and enhanced drive mechanics, the MDX-50 mills incredibly smooth and accurate prototypes. A machining area of 15.8 (X) x 12 (Y) x 3.9 (Z) inches supports production of large single objects or batch production of smaller parts.

Simplified Machine Set-Up

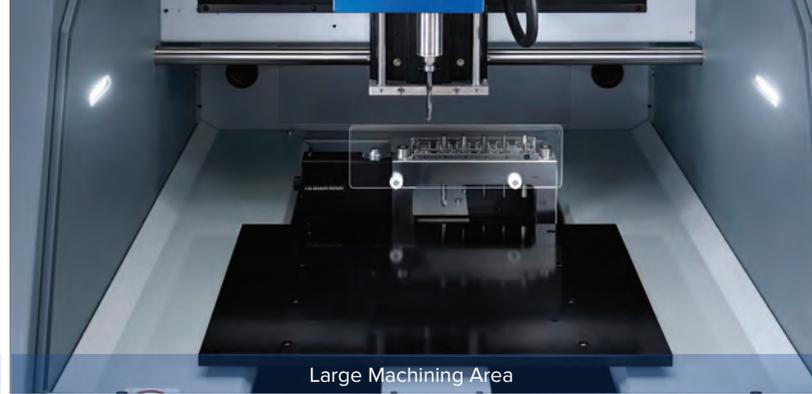The MDX-50 requires no special electrical set-up and provides simple-to-load tools and automatic machine calibration.

Safe, Clean and Convenient

The MDX-50 is designed for use in offices, machine shops, and educational enviornments. A newly improved door ensures extra-safe operation while waste is contained in a built-in debris collection drawer.

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Automatic Tool Changer

Large Machining Area

Dust Collection Drawer

Status Light

MODELA
MDX-50

Highlights & Specifications

- 5-station Automatic Tool Changer

- Advanced drive system supports dimensional stability when creating prototypes

- Large machining area (15.8 (X) x 12 (Y) x 3.9 (Z) in.) plus enhanced machine rigidity and drive mechanics

- Built-in control panel

- Optional Rotary Axis – easily converts the MDX-50 to a 4-axis mill

- Virtual Control Panel (VPanel) – allows users to make changes to milling parameters while the unit is still in operation

- User-friendly SRP Player CAM and ClickMill software included

- Automatic set-up and operation with automated machine calibration and tool length detection

- Supports G-code NC programming language

- Multi-color LED status light and email notification system inform users of machine status

- Built-in debris collection drawer with rail guided safety door for safe and clean production

- Internal LED light for workspace illumination

- Includes Roland's industry-best service and support, plus a comprehensive one-year warranty

- Ideal for use in offices, machine shops and educational environments

▶ For detailed features and specifications, visit www.rolanddga.com/mdx50.

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Imagine. **Roland**