



Roland Miller/Routers are the only milling/routing machines to be DIRECTLY CONTROLLED from TechSoft Design V3

Specification

Axis Travel:	400 x 305 x 135mm
Max. Machinable:	400 x 305 x 105mm
Maximum Feedrate (X,Y):	60mm/sec
Maximum Feedrate (Z):	50mm/sec
Spindle Speed Range:	4500-15000rpm
Resolution:	0.01mm
Interface:	USB
Weight:	122kg
Dimensions:	760(W)x900(D)x732(H)mm

Automatic Tool Changer

The built in 5 position Automatic Tool Changer really does make life simple. Tool holders which are available for shank diameters up to 6mm are loaded into the stocker, and the machine then takes over and calibrates each one automatically. The Z0 position is set with a sensor whenever a new material is loaded, and the machine does the rest. Tools are selected by simply specifying their number in 2D Design or SRP Player software.



Optional Extras

Rotary Axis Unit

For automated full-3D machining operations, the optional Rotary Axis Unit means that work can be left unattended from start to finish.



Miller/Router with Automatic Tool Changer

What is an MDX-50E?

The MDX-50 has been built with features to meet the demands and tight-deadlines of professional design studios, but like all Roland equipment this model is simple and intuitive to use and will be equally at home in the school or university workshop. For a compact bench-top machine the working area is simply massive – larger machines fall into the category of production prototyping or large-format routing. With its brushless DC spindle motor and advanced drive mechanics, the MDX-50 mills incredibly smooth and accurate prototypes in a massive range of materials, at eye-wateringly high speeds. The built in control panel allows setup operations and on-the-fly adjustments to be made at the machine, while the computer based virtual control panel has sophisticated features such as tool-life management and machine code editing. An optional dust extraction kit keeps the work area tidy, while any heavy waste falls into a built-in debris collection drawer. This versatile machine is ideal for modelling complex 3D shapes, cutting acrylic profiles, or engraving PCBs with astoundingly high levels of precision.

Intuitive Software

Once again, TechSoft have collaborated with Roland to ensure seamless integration with 2D Design V2 to make the most of this advanced machine in a familiar software environment. For 3D work, SRP Player software from Roland is included in the package. This wizard based software simplifies the process of setting up complex tool paths, guiding the user by straightforward step-by-step setup routines. Built in animated virtual machining allowing students to preview the finish and estimate machining duration before the machine is put into action.

Why Choose the MDX-50?

You can't buy time, but the automated start-to-finish machining capability will certainly save you some. If you need extra capacity and a versatile compact desktop machine, this is the model for you.

Prices £*

*See Pricing Information on page 2

MP-RL-MDX50E	Roland MDX-50E (including, 6 x 6mm tool holders, 1 x 4mm tool holder & 1 x 3mm tool holder)	
Optional Extras		
RL-MDX50ROT	Rotary Unit for Roland MDX-50E	
Recommended Extras		
RL-ROTO-VICE	Self-Centering Vice	
RL-ROTO-VAC3	Extraction Attachment for MDX-50E	
MM-EXTRACTION36	Numatic Standard Extractor, Single Motor	
Recommended Tooling For details of these packs and other tooling see page 82		
TP-MIX-50E	Mixed Tool Pack (General set of tools)	
TP-3D-50E	3D Tool Pack (Specialist 3D tools)	
TP-PCB-50E	PCB Tool Pack (Specialist PCB tools)	
Recommended Materials		
See details of this pack on page 91, and our full range of materials on pages 87-91		
TPM2-MDX50	Mixed Pre-Cut Materials Pack Save £15	

Recommended Software

TechSoft Design V3 (page 12), PCB V3 (page 14) & SOLIDWORKS (page 18)