

Cybrid systems

CybridSystems.com

Crystal Lake IL. --- Phone: **224-565-5210** --- Fax: 815-477-8347

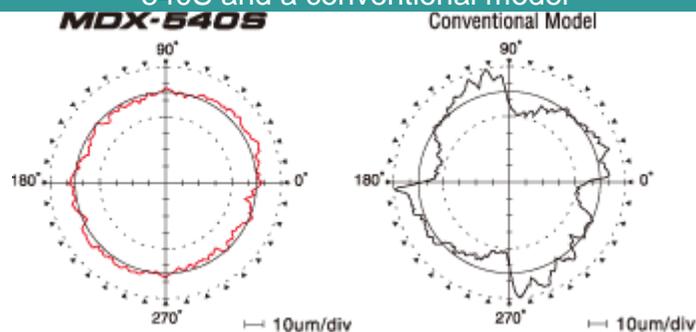
Roland MDX-540 Series SRP Milling Machine



- Creates accurate prototypes for complex snap-fits.
- Durable for production and assembly line operations.
- Produces functional prototypes for proof of concept and manufacturability testing.
 - Achieves smooth surface finish across a wide range of materials including plastics, aluminum, green ceramics and wood.
 - 400 to 12000 RPM, up to 295" federate.
 - 400W DC Brushless motor with increased torque for fast, accurate prototypes.
- Includes user-friendly CAM Software.
- Handheld controller and virtual control panel simplifies setup.
 - Specialty MDX-540S and MDX-540SA models available for enhanced precision and accurate, repeatable production.
 - Optional fourth rotary axis and automatic tool changer available.
 - Maximum 19.68" by 15.74" by 6.10" XYZ Axis Travel.

S models feature precision ball screws that achieve repeat accuracy up to ± 0.02 mm (± 0.0008 in.)

Compare round prototype accuracy created by MDX-540S and a conventional model



Comparison results were obtained by milling acrylic cylinders with 40mm radius and 30mm height using both an MDX-540S and a conventional mill.

MDX-540 (CNC Milling Machine, 19.6" x 15.7" x 6.1") **\$20,995.00**

MDX-540S (High Precision CNC Milling Machine, 19.6" x 15.7" x 6.1") **\$26,995.00**

MDX-540A (CNC Milling Machine, 15.7" x 15.7" x 6.1") (Built-in ATC) **\$31,995.00**

MDX-540SA (High Precision CNC Milling Machine, 15.7" x 15.7" x 6.1") (Built-in ATC) **\$36,995.00**



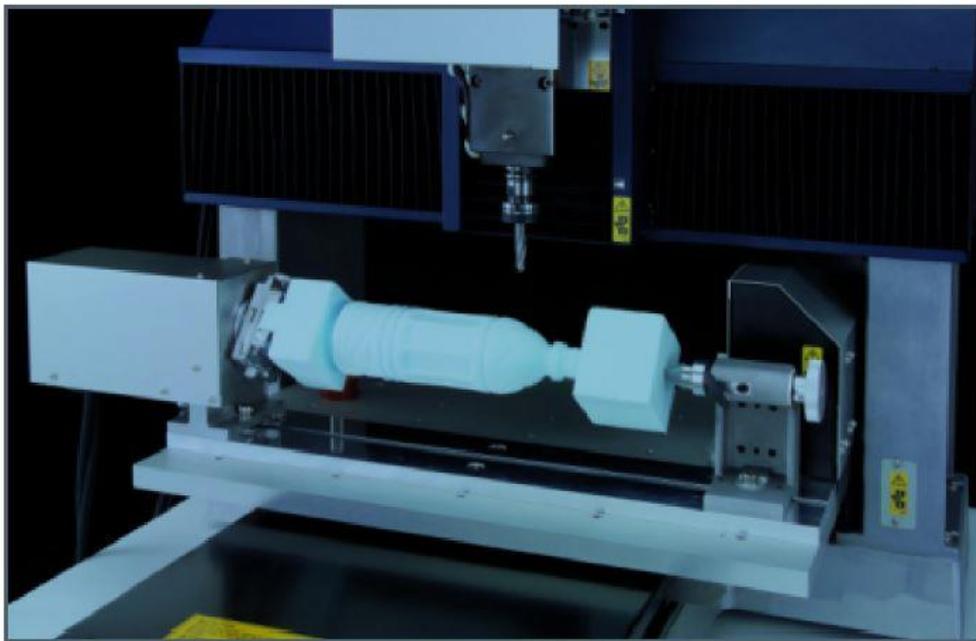
ZBX-540E



ZBX-540D

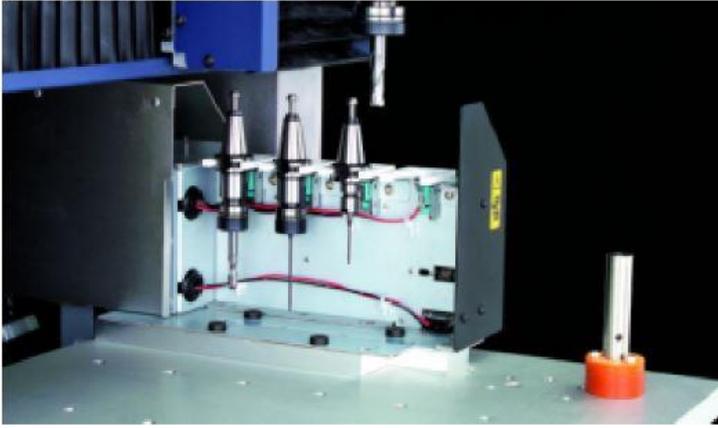
Safety Covers for the MDX-540 Series

ZBX-540D	Exterior dimensions 37.1" x 39.5" x 39.4", 121lbs (943mm x 1003mm x 1000mm)	\$3,595.00
ZBX-540E	Exterior dimensions 41.0" x 40.6" x 38.5", 150lbs (1042mm x 1030mm x 978mm)	\$1,540.00



Rotary Axis Unit

ZCL-540	(Rotary 4th Axis, 14.6" x 7.0" Working Diameter)	\$5,095.00
Support both 4-axis indexing and live 4-axis machining		



Automatic Tool Changer (included with the MDX-540A and MDX-540SA)

ZAT-540 4-Position Tool Changer

\$10,295.00

Includes: ATC Control box, ATC spindle, ATC magazine Setting clamp, spanner, (4) 1/4" tool holders and air tubing.



Optional T-Slot table

ZTT-540

\$1395.00

T-Slot table gives you the ability to use a wide variety of clamps and clamping systems.
(For 8 mm clamp sets)

Cybrid Systems exclusive items for the MDX-540 Series SRP mills

VisualMILL®



Visualmill CAM Software

3-Axis seat – \$1,500.00

4-Axis Seat - \$2,500.00

Visualmill Pro - \$5,000.00

Visualmill also has versions that run inside of Solidworks and Rhino. Price are the same.

Custom Workbench - \$2,295.00

TBL-540 - 42" x 48" Mobile table with 1 drawer, casters, levels, adjustable height, and swing tray laptop stand.



Self-Center Vices



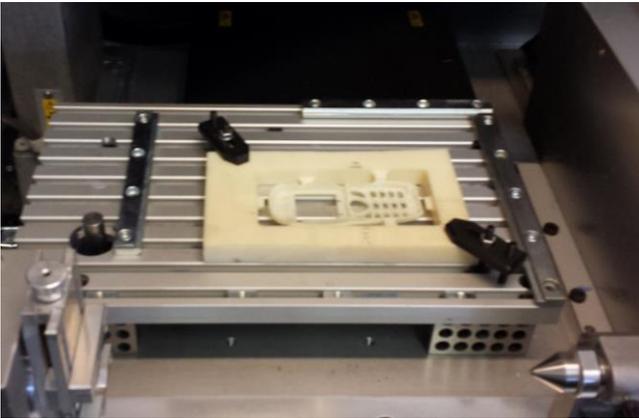
CY-6 6" Vice – Includes aluminum and steel jaws \$1,495.00

CY-10 10" Vice - Includes aluminum and steel jaws \$2,395.00

Exclusive CY-400T Raised T-slot Table Kit - \$1,295.00

Fits behind the 4th-axis unit to allow for 3-axis operations without taking off the 4th-axis unit and is raised 2" to allow small end mills to reach the work area.

400 mm x 250 mm x 20 mm, (15-3/4" x 9.8" x 3/4") M6 size fixturing. Includes: T-Slot table with mounting holes and Z-sensor access hole, Side rails, Side Clamps, Top Clamps and spacer blocks. (Works with both the standard and T-Slot tables on the MDX-540)



Top Clamps



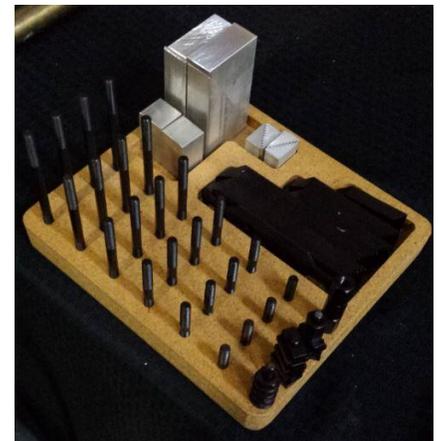
Side Clamps



With Self-Center Vice (Additional item)

Exclusive CY-8mm Stud, Clamp and Aluminum Chop Block Set - \$295.00

Works with both the standard and T-slot tables that come with the Roland MDX-540 Series along with the raised T-slot table listed above.





Collets for MDX-540 and MDX-540S (Non-Tool Changer collets)

US-EY16-3.5A (1/8" flex collet for the MDX-540 and MDX-540S)	\$81.95
US-EY16-5A (3/16" flex collet for the MDX-540 and MDX-540S)	\$81.95
US-EY16-7A (1/4" flex collet for the MDX-540 and MDX-540S)	\$81.95
US-EY16-10A (3/8" flex collet for the MDX-540A and MDX-540SA)	\$81.95

Collets for MDX-540A and MDX-540SA (Tool Changer collets)

US-COL7-1/8 (1/8" flex collet for the MDX-540A and MDX-540SA)	\$59.95
US-COL7-1/4 (1/4" flex collet for the MDX-540A and MDX-540SA)	\$59.95
US-COL7-5 (3/16" flex collet for the MDX-540A and MDX-540SA)	\$59.95
US-EY16-10A (3/8" flex collet for the MDX-540A and MDX-540SA)* Requires Chuck US-DMC10-52 sold separately	\$81.95

3/8" (10mm) ATC End Mill Capability

US-DMC10-52 (3/8" (10mm) CNC Drill Mill Chuck without collets)	\$425
US-COL10-10 (3/8" (10mm) flex collet for ATC Drill Mill Chuck)	\$69.99
US-SPAN33 (Spanner for 3/8" (10mm) CNC Drill Mill Chuck)	14.95

The above 3 items are required if you want to use larger, 3/8" end mills with your ATC system. The standard MDX-540 ATC tool holders have a maximum tool size of 1/4".



Tooling Kits

EM-KIT-SR (Short Reach Tooling Kit, Contains 1/8", 1/16", 1/32", 1/64" Ball and Flat End Mills) **\$143.99**

EM-KIT-LR (Long Reach Tooling Kit, Contains 1/4", 1/8", 1/16", 1/32", 1/64" Ball and Flat End Mills) **\$379.99**

Submicron grade carbide cutting tools manufactured with tight tolerances for precision milling. These kits include our most popular sizes in two different lengths. Short reach tooling for small detailed work and long reach tooling for reaching those hard to cut features. **EM-KIT-SR and EM-KIT-LR are both recommended for all cutting needs.**

Replacement Flat End Mills, Short Reach

EMF-125-2F-125	(1/8" Shank, 2 Flute, 1/8" Mill, 0.375" Flute Length, 1.5" OAL)	\$14
EMF-125-2F-063	(1/8" Shank, 2 Flute, 1/16" Mill, 0.188" Flute Length, 1.5" OAL)	\$14
EMF-125-2F-031	(1/8" Shank, 2 Flute, 1/32" Mill, 0.094" Flute Length, 1.5" OAL)	\$14
EMF-125-2F-016	(1/8" Shank, 2 Flute, 1/64" Mill, 0.047" Flute Length, 1.5" OAL)	\$27

Replacement tools for EM-KIT-SR tool kits.



Replacement Ball End Mills, Short Reach

EMB-125-2F-125	(1/8" Shank, 2 Flute, 1/8" Mill, 0.375" Flute Length, 1.5" OAL)	\$16
EMB-125-2F-063	(1/8" Shank, 2 Flute, 1/16" Mill, 0.188" Flute Length, 1.5" OAL)	\$16
EMB-125-2F-031	(1/8" Shank, 2 Flute, 1/32" Mill, 0.094" Flute Length, 1.5" OAL)	\$16
EMB-125-2F-016	(1/8" Shank, 2 Flute, 1/64" Mill, 0.047" Flute Length, 1.5" OAL)	\$35

Replacement tools for EM-KIT-SR tool kits.



Replacement Flat End Mills, Long Reach

EMF-250-2F-250L	(1/4" Shank, 2 Flute, 1/4" Mill, 0.500" Flute, 1.5" Reach, 3.0" OAL)	\$42
EMF-125-2F-125L	(1/8" Shank, 2 Flute, 1/8" Mill, 0.375" Flute, 1.5" Reach, 2.5" OAL)	\$38
EMF-125-2F-063L	(1/8" Shank, 2 Flute, 1/16" Mill, 0.188" Flute, 1.0" Reach, 2.0" OAL)	\$38
EMF-125-2F-031L	(1/8" Shank, 2 Flute, 1/32" Mill, 0.094" Flute, 0.75" Reach, 2.0" OAL)	\$38
EMF-125-2F-016L	(1/8" Shank, 2 Flute, 1/64" Mill, 0.047" Flute, 0.2" Reach, 2.0" OAL)	\$38

Replacement tools for EM-KIT-LR tool kits.



Replacement Ball End Mills, Long Reach

EMB-250-2F-250L	(1/4" Shank, 2 Flute, 1/4" Mill, 0.500" Flute, 1.5" Reach, 3.0" OAL)	\$42
EMB-125-2F-125L	(1/8" Shank, 2 Flute, 1/8" Mill, 0.375" Flute, 1.5" Reach, 2.5" OAL)	\$38
EMB-125-2F-063L	(1/8" Shank, 2 Flute, 1/16" Mill, 0.188" Flute, 1.0" Reach, 2.0" OAL)	\$38
EMB-125-2F-031L	(1/8" Shank, 2 Flute, 1/32" Mill, 0.094" Flute, 0.75" Reach, 2.0" OAL)	\$38
EMB-125-2F-016L	(1/8" Shank, 2 Flute, 1/64" Mill, 0.047" Flute, 0.2" Reach, 2.0" OAL)	\$38

Replacement tools for EM-KIT-LR tool kits.

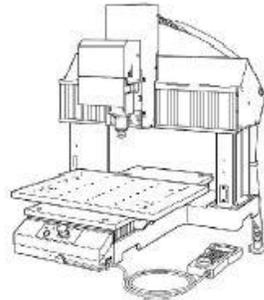


Training – Cost of training vary upon conditions and skill levels. \$1,200.00 is the standard cost per day and includes travel expenses.
Usually 1 to 2 days are required for the machines.

Extended Warranty MDX-540 & MDX-540A

Additional 1 Year Warranty Coverage (MDX-540/MDX-540A)	\$2,450
Additional 2 Years Warranty Coverage (MDX-540/MDX-540A)	\$4,900
Additional 3 Years Warranty Coverage (MDX-540/MDX-540A)	\$7,350

Additional coverage covers the machine for parts, labor and shipping of unit one way if necessary.



Extended Warranty MDX-540S & MDX-540SA

Additional 1 Year Warranty Coverage (MDX-540S/MDX-540SA)	\$2,995
Additional 2 Years Warranty Coverage (MDX-540S/MDX-540SA)	\$5,990
Additional 3 Years Warranty Coverage (MDX-540S/MDX-540SA)	\$8,985

Additional coverage covers the machine for parts, labor and shipping of unit one way if necessary.

