Roland MDX-40A

Frequently Asked Questions

Q. What is the list price of the MDX-40A?

A. The MDX-40A has a list price of $7,995 USD.

Optional accessories offered:
- ZCL-40A Rotary axis unit $3,595.
- ZSC-1 Contact scanning probe and scan software $495.
- ZDX-40 Chip collection bin $495.

Q. When will the MDX-40A and ZCL-40A be available?

A. The official release is July 2009. We will have a limited number of units arriving late July and more coming in August.

Q. What are the system requirements for the MDX-40A?

A. Please ensure your computer meets the following specifications.

Operating System	Windows Vista® (32-bit only), Windows XP® (32-bit only)
CPU	Intel Pentium® 4 2.4GHz or faster is recommended
RAM	1GB or more is recommended (2GB or more is recommended for Vista)
Video card and monitor	Monitor supporting 1024 x 768 or more is recommended, and at least 16-bit high color
Available Hard disk space	72MB or more
Optical drive	CD-ROM drive
Interface	USB port

Q. What are some of the features and benefits of the Roland MDX-40A milling machine?

A. Roland SRP milling machines have unique advantages over Additive Rapid Prototyping machines such as non-proprietary material choices including FDA approved materials, smooth surface finishes, and low annual operating costs to maximize return on investment. Engineers and designers are able to produce models using the same materials as the final product giving them the ability to perform functional testing with their models. They are able to check for fit and finish, feasibility, durability and production capability. Additionally, Roland milling machines are easy-to-use and do not require a machinist to operate them.

The MDX-40A milling machine builds on Roland's SRP technology and makes the model creating process easier, more efficient and better than ever before. New software and hardware improvements over the MDX-40 are what make this system one of the most efficient milling machines available.

Q. What is new on the MDX-40A?

A. New features on the MDX-40A include:

New Virtual Panel: The virtual panel has been improved with new capabilities. Users can now easily move the cutting tool to the location they desire at the speed they select. They can also control the cutting speed and spindle speed during machine operation, saving time and avoiding unneeded interruptions. Existing users of the rotary axis unit will appreciate the fact that the new VPanel now treats the rotary axis detection function separately from the origin setting functions, streamlining the milling process and making operations more efficient.

New ClickMILL™ Utility: New utility included with the MDX-40A makes it easy to create pockets, drill holes, surface blocks of material, cut slots in material, and chamfer edges, all without CAD/ CAM software or geometry!

G-code Support: The MDX-40A accepts RML code (SRP Player) or industry standard G-Code making the machine compatible with a wide variety of CAM software products.

Work Area Doubled: The all new ZCL-40A rotary axis unit allows you to load material that is twice as long as the ZCL-40 it replaced. The maximum diameter has also increased to 4.7" (120mm) vs. the ZCL-40's 3.3" (85mm).

Q. What are the physical differences between the MDX-40 and MDX-40A?

A. Physically, the exterior colors have changed to new silver and dark grey colors. The control panel label has changed and the LED's are now blue. The logos have been moved off of the clear cover for a more unobstructed view.

Q. If I have an MDX-40, can I upgrade my machine to an MDX-40A?

A. Yes. Roland DGA will offer a free performance upgrade that will allow you to upgrade your MDX-40 to the new MDX-40A specifications at no additional cost. This includes:

1. Firmware updater for the MDX-40A
2. Installer for MDX-40A VPanel
3. MDX-40A Windows Driver (32-bit only at this time)
4. Installer for MDX-40A ClickMILL™ software

All you need to do is visit www.rolanddga.com/mdxupgrade and register for your free upgrade.

Q. If I have an MDX-40, will I be able to use the new ZCL-40A and its larger cutting area?

A. Yes. You will need to upgrade your MDX-40 (referenced above). Once this is done, you will be able to use the new ZCL-40A with larger cutting area.

Q. What file formats can I import into SRP Player?

A. You can import industry standard STL, IGS , 3D DXF files as well as 3DM files. STL files are preferred.

Q. Is a contact scanner still available for the MDX-40A?

A. Yes, the optional ZSC-1 contact scanner is available for the MDX-40A giving you reverse engineering capability.

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Q. How can I edit the scan data and can I integrate the contact scan data with LPX scan data?

A. You can use Roland's Pixform Pro II reverse engineering software to join multiple scans together. You can also use Pixform Pro II to integrate contact scan data with LPX scan data when needed.

Q. Can I install the SRP Player software and ClickMILL software on multiple computers?

A. Yes, there is no limitation to the number of installations of SRP Player or ClickMILL™ software. However, in order for the software to be functional, you must install the MDX-40A driver on the same system. For more information contact Roland technical support at Rxpress@rolanddga.com.