

INNOVATOR



Full Scale Capability for Innovative Professionals

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# Innovator

## Full Scale Capability for Innovative Professionals

The all new AXYZ Innovator builds on the legacy of AXYZ CNC router machines manufactured to process the widest range of materials. The perfect router for fabricators who need to deliver great finishes using high quality components, at a cost-effective price.

### Popular industries include:

**Educational Institutions**  
new curriculum option  
for basic CNC training

**Sign & Graphics Shops**  
easy processing of  
2D/3D signs in woods,  
metals, and plastics

**Woodworking Shops**  
fabricate all types  
of wood for furniture,  
shopfitting, scenery  
production and more

**Prototyping Shops**  
takes the guesswork  
out of projects with  
simple prototyping  
jobs power and speed

## Automate Operation

The Innovator comes available with an enclosed optional 3 position tool changer, exclusive to AXYZ. This saves valuable time by keeping your machine running continuously without the need for operator input. The automated cover protects the toolholders from getting contaminated, reducing maintenance and downtime.



### Choose Basic Spindles or Knife Blades

The new Innovator is equipped to cut both flexible and semi-rigid materials easily. Options include a choice of 5HP Collet or Quick-release Spindles for high speed routing or a variety of knife blades for precision cutting.

## Capable of Cutting the Strongest Materials

The Innovator can cut more than just wood.  
Fabricate parts out of aluminum material or use the Innovator to cut HDPE.





# Options

The Innovator comes standard with option ready installation packages so you can grow your machine along with your business! Call an XYZ Technical Specialist today at 1.800.361.3408 to see what's available and optimize your CNC capacities.

| CUTTING SYSTEMS                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Collet Spindle</li> <li>• Quick Release Spindle</li> <li>• Oscillating Knife</li> <li>• Tangential Knife</li> </ul> |

| AUTOMATION                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Automatic Tool Changer</li> <li>• Tool Length Sensor</li> <li>• XYZ Vision System (AVS)</li> <li>• Quick Release Spindle</li> </ul> |

| PERIPHERALS                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Vacuum Pumps</li> <li>• Regenerative Blowers</li> <li>• Chip Collection</li> <li>• Unist Mister &amp; Cold Guns</li> </ul> |



Tool Changer



Dust Collection

## A2MC Controller

The Innovator is equipped with the XYZ proprietary A2MC controller, used by thousands of operators all over the world. It's cost effective, easy-to-use and works with the CAM program of choice.



A2MC Controller



XYZ SmartController



## Industry Standard Software

Compatible with most trusted software applications in the industry, all XYZ machines come equipped with the tools you need to hit the ground running. Popular software applications include: VCarve PRO, Aspire, and SAI enROUTE.

| Model                                 | Innovator 4x4                                               | Innovator 5x8 |
|---------------------------------------|-------------------------------------------------------------|---------------|
| Cutting Envelope Length               | 49" (1244mm)                                                | 96" (2438mm)  |
| Cutting Envelope Width                | 53" (1346mm)                                                | 60" (1524mm)  |
| Gantry Clearance                      | 6" (152mm)                                                  | 6" (152mm)    |
| Drive System Type (X & Y Axis)        | Helical Rack & Pinion, Integrated Servo Motors              |               |
| Drive System Type (Z - Axis)          | Ballscrew, Integrated Servo Motors                          |               |
| X, Y Axis Traverse Speed (Per Minute) | 1000" (25.4m)                                               |               |
| Z Axis Traverse Speed (Per Minute)    | 100" (2.54m)                                                |               |
| Vacuum Table Type                     | Aluminum T-Slot                                             |               |
| Number of Vacuum Zones                | 4 Zones                                                     |               |
| Air Requirements                      | 100 PSI                                                     |               |
| Power Requirements                    | 208-230V 3 Phase / 440-460V 3 Phase (Single Phase Optional) |               |