



AXYZ

CNC Router Systems

4000/5000/6000/8000 Series



ROUTING - ENGRAVING - 3D CARVING - PLASMA - PRINT TO CUT - KNIFE CUTTING - MOULD MAKING - PROFILING



AXYZ

The AXYZ brand offers the most diverse range of CNC Routers in the industry. With more than 20 years of experience and thousands of CNC Routers installed and operating every day, AXYZ prides itself on manufacturing and selling robust, durable, and easy to use CNC Routers.



4000 Series

The AXYZ 4000 Series CNC Router is the smallest full size machine AXYZ builds. With a maximum process width of 60" (1524mm), the 4000 Series fits many materials with ease. The 4000 Series machine is popular in the commercial sign, woodworking, marine, POP, and education industries for its fit with many common materials, and overall footprint.



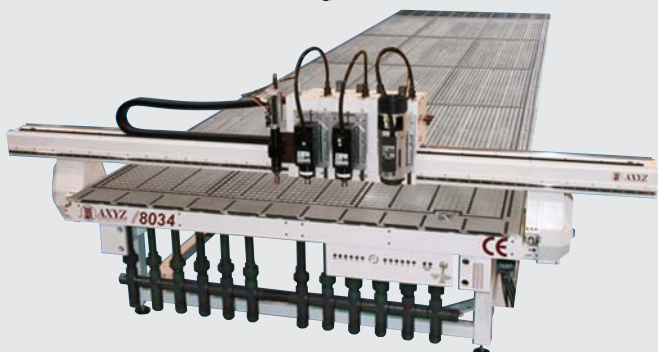
5000 Series

The AXYZ 5000 Series CNC Router is our most popular size format. Processing materials up to 72" (1842mm) wide, the 5000 Series can accommodate full sheets of most common substrates. AXYZ 5000 Series machines are commonly found in businesses that specialize in plastic fabrication, aluminum composite fabrication, signmaking, woodworking, solid surface fabrication, POP fabrication and more and are often configured with multiple spindles.



6000 Series

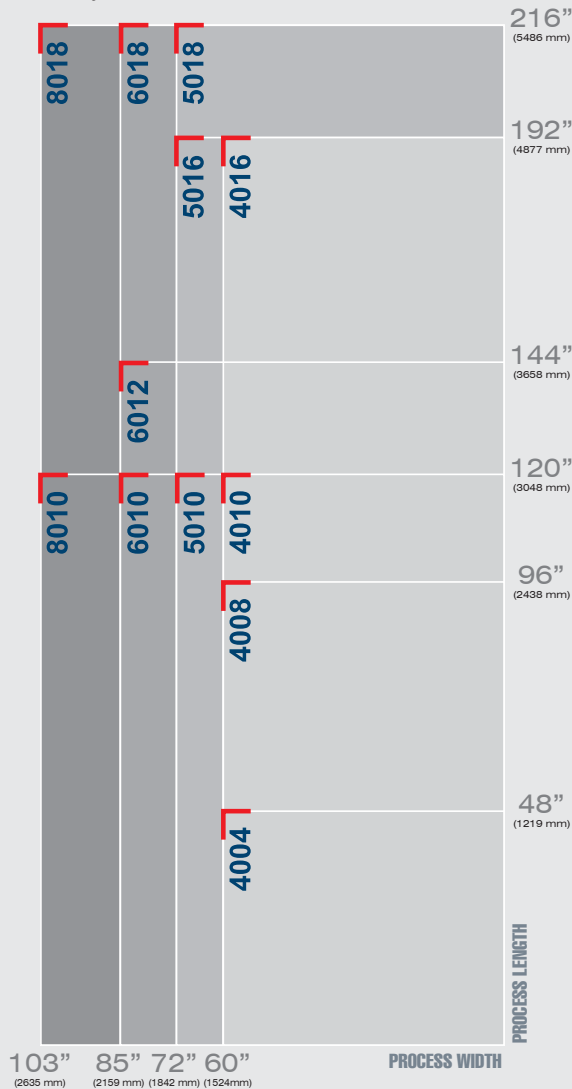
The AXYZ 6000 Series CNC Router delivers the largest processing width for this style of machine on the market. The 6000 Series offers a full 85" (2159mm) of processing width standard to ensure your materials will fit without cutting them down. AXYZ 6000 Series machines are commonly found in signmaking, solid surface fabrication, aluminum fabrication, plastics fabrication, marine fabrication, woodworking and more. 6000 series machines are often built with automatic vacuum zone switching to enable continuous operation on multiple sheets of material.



8000 Series

The AXYZ 8000 Series has the largest standard width of our smaller format machines with an impressive 103" (2635mm) process width. Built to handle an oversized 8 foot wide sheet, the machine deck size will enable your business to manufacture large signs and machine large shapes without additional processing off the machine. Companies working with large sheet goods including sign makers, aluminum fabricators, boat builders and plastics fabricators have all benefitted from the large size and robust design of the AXYZ 8000 Series CNC Router.

XYZ has the capacity to build the Series CNC Routers in a wide variety of machine sizes, tooling configurations and hold down options. For a better visualization, see the sample chart below for some of the sizes we commonly deliver to our customers.



All XYZ Series tables have the following standard and available options:

- Next generation XYZ A2MC control system for smooth reliable operation and easy connection to network for program transfer.
- User friendly, hand held machine subconsole provides ease of operation.
- Standard connectivity to NC files from virtually any CAM software package including XYZ PANELBuilder, EnRoute, ArtCam, Type 3, Mastercam, ProfileLab and more.
- 10" (250 mm) ball screw Z axis stroke with a standard 6" (150 mm) clearance.
- Rack and pinion drive system for X and Y axes.
- High torque / high speed motors and drives on all three axes.
- High tolerance THK bearings on X, Y, and Z axes.
- Process lengths configurable in 24" (600mm) increments
- Standard aluminum universal hold down deck combines T-Slot clamping with vacuum hold down distribution system.
- All vacuum hold down decks come configured with a minimum of 5 independently controlled zones for optimum hold down management.
- Many different tooling configurations available, including multiple spindles as well as HSD 5 and 10.8 HP quick release spindles. All spindles with 24000 RPM capability.
- Additional tooling options include drills, tangential and drag knives and plasma arc cutters.
- Efficiency options include automatic vacuum zone switching for pendulum processing, hardened steel pop up location pins, XYZ AVS vision registration system, Unist mister for non ferrous metal cutting.

XYZ A2MC Controller

The A2MC is XYZ International's next generation machine control system and is fitted as standard on all Series machines. With 8Gb internal memory, there is plenty of room for programs which run fast and smoothly on S-Curve trajectories. The A2MC connects to your local network for instant program download.

High Performance Vacuum Deck

All Series machines include a high performance zoned vacuum deck, which allows areas of the surface to be opened or closed to vacuum hold down as needed. Zone gasketing ensures the virtual elimination of any zone to zone vacuum bleed. The multipurpose deck system is also fully functional as a t-slot clamping and fixturing deck for non-vacuum hold down situations.

XYZ Smart Console

The new XYZ Smart Console brings unprecedented ease of use, context sensitive menus, realtime display of machine status and many more timesaving, useability and productivity features. It provides a graphical preview and current status of a running job and allows program feeds and speeds to be changed without pausing the program.

**Contact AXYZ today for more information and
a machine quotation based on your specific needs**



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