

CAMaster



Discover the
Titan XL CNC Machine:

The Ultimate Solution in Large Format CNC Machining

The Titan XL CNC Router is specifically engineered to process large sheets of ACM/MCM, High Pressure Laminates, Fiber Cement Board, Aluminum Extrusion, Aluminum Sheets and other Composite Panels in the fastest and most efficient way possible.

The Titan XL is fully customizable to suit your exact needs.

The typical Titan XL comes with a multi-head configuration that allows for two or three cutting heads. This configuration permits a near-immediate transition among cutting tools for tasks like grooving, drilling, and profile cutting, negating the need for an automatic tool-changing mechanism.

An Automatic Tool Changer (ATC) for single or dual cutting head configuration is also available.

Machine Specifications

Cutting Length	10 ft - 50 ft
Incremental Lengths	24 in
Cutting Width	5 ft - 12 ft
Gantry Clearance	6 in - 20 in
Drive System Type (X & Y Axis)	Helical Rack & Pinion
Drive System Type (Z - Axis)	Ballscrew
Rapid Traverse Speed	2,500 ipm
Vacuum Table Type	Phenolic
Vacuum Zones	Up to 18
Power Requirements	208-230V 3 Phase / 440-460V 3 Phase

Options



Spindles:

Single or Multiple HSD brand spindles, available in both 12 HP and 16 HP versions. Operating at variable speeds of up to 24,000rpm, they are engineered with optimal balance for fast, clean cutting and minimal noise.



Aggregates:

Aggregate tools are used for horizontal or angled cutting and drilling. Can be coupled with a C-axis to rotate the aggregate tool in order to cut or drill on all sides of the material.



Saw Head:

This tool is designed for high-speed straight-line saw cut processing of aluminum composite, high pressure laminates and fiber cement board. It offers full 270-degree positioning and uses 6.5" circular saw blades. It is a dry cut, no flooding or cooling is required.



Auto Tool Calibration:

This is a built-in automatic tool length sensor. This feature greatly benefits machines with multiple tools, offering a precise way to adjust tool bit heights with just the press of a button.



Aluminum Vacuum Table:

An aluminum vacuum table ensures superior stability and optimal suction. It's ideal for workpieces demanding high precision. It performs best when paired with an appropriately sized vacuum pump.



Pop-up Locating Pins:

Pop up locating pins are the most reliable method of ensuring quick and easy material positioning. Pop up pins can be fitted in both front and rear locations.



Automatic Machine Lubrication:

The Auto Lube System ensures the CNC machine is properly and automatically lubricated, ensuring proper maintenance for trouble-free operation.



Automated Vacuum Zones:

This advanced design enables specific sections of the vacuum table to be automatically activated or deactivated for vacuum hold-down as required during machine operation.



Automatic Tool Change:

A setup with an automatic tool changer with either a single or dual head, offers adaptability and might be better suited for certain operations.



Automated Label Printer:

The Automated Label Printer can be fully integrated with the machine allowing for rapid labeling and identification of individual panels as they are cut.



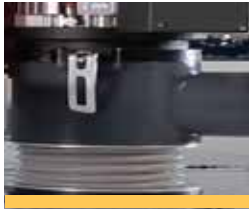
Vacuum Hold Down Pump:

A maintenance free vacuum pump that creates a very deep vacuum pressure and is very good in managing the air bleed for ultimate material hold down.



Mister System:

A Mister system dispenses small amounts of lubricant to cool and lubricate the cutting tool and is well-suited for machining the aluminum extrusions.



Pressure Foot:

A pressure foot is designed to ensure optimal depth accuracy during cutting – especially useful when dealing with panels that are not evenly flat.

Cut a Wide Variety of Materials

Titan XL CNC Router is optimized for processing a wide range materials from all major manufacturers

- **Aluminum Composite Materials & Panels (ACM)**
- **Metal Composite Materials (MCM)**
- **Fiber Cement Boards & Panels**
- **High Pressure Laminate Panels (HPL)**
- **Lightweight Display Board**
- **Aluminum Honeycomb Panels**
- **Aluminum Sandwich Panels / Corrugated Core Panels**
- **Aluminum Extrusions**