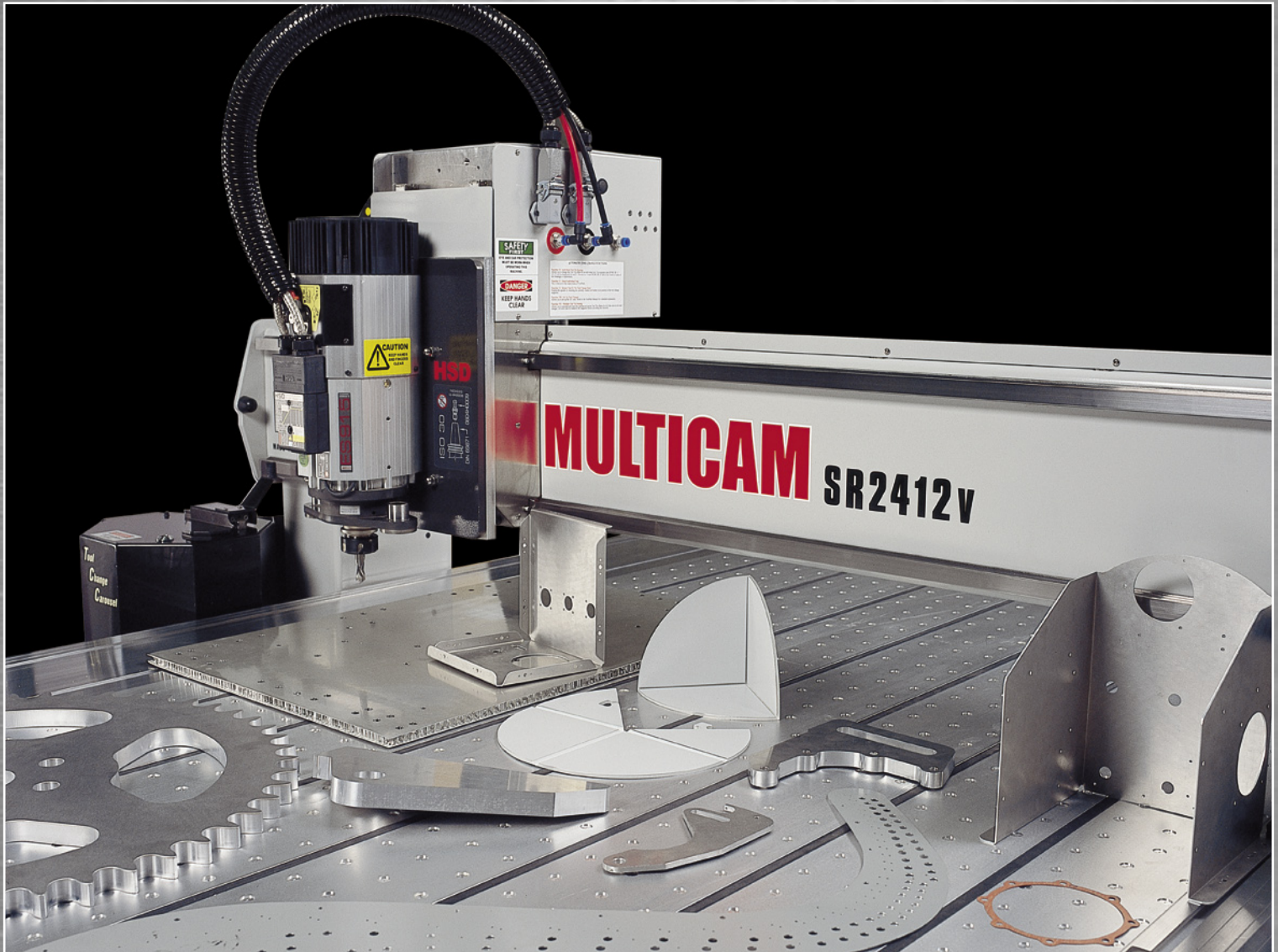


# MULTICAM

## CNC ROUTING MACHINERY

“Designed to suit the needs of Metal Fabricators”



**HEAVY DUTY CONSTRUCTION** - The fully Australian manufactured SR Series of Multicam CNC Routers are designed for heavy duty production. The steel gantry is manufactured from 250 x 150 x 5mm RHS. The steel column supports are welded to the gantry beam making it, and the column supports one rigid construction. The X axis bearings are mounted to the gantry with the Linear rails secured horizontally on our specially designed section. This section is milled prior to the bearing rails being fitted. The robust steel gantry is designed to carry heavier spindles and for cutting through thicker material at higher feedrates. The machine incorporates precision machined rack and pinion drives on the X and Y axis with a fully controllable 200mm ball screw on the Z axis as standard. The machine frame is manufactured from 150 x 150 x 5mm Steel RHS while the Z axis spindle mount is machined from 16mm plate.

Compare the rigid design and construction to other brand CNC routers and it is easy to see that Multicam CNC routing machinery was designed for the metal cutting industry.

**APPLICATIONS** - If you are a manufacturer of Aerospace components, Aluminium boats, Bull bars, Truck body parts, or if you are fabricating Mild steel or Aluminium sheet or plate you need a Multicam CNC routing machine. A Multicam CNC routing machine will achieve all of your Aluminium, Brass, Copper and Mild Steel machining requirements. Extrusions can now have round and irregular shaped holes machined without burring. With cutting speeds of up to 6000mm/min in Aluminium sheet we have developed many unique features aimed at cutting metals with confidence.



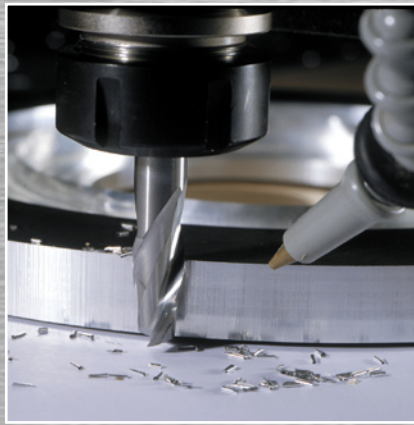
## Multicam SR Series Features

- Heavy Duty Steel Gantry (250 x 150 x 5 RHS)
- Steel Gantry and Steel Column supports are all one fabricated piece for increased rigidity.
- X axis bearings mounted directly to gantry supports. This increases rigidity.
- X axis Linear Rails mounted horizontally on our specially designed section that is machined prior to bearing rails being mounted.
- Standard 150mm Gantry clearance with 200mm Z axis. Optional clearance up to 300mm with 350mm Z.
- Z axis plate is machined 16mm 5083 Plate.
- "State of the art" fully enclosed Auto-Tool Change carousel, travelling on the gantry, providing rapid tool change at any position along the X axis.
- Soft touch tool tip sensor which automatically measures each tool length and records this to the machines FlashRAM.



## Automatic Tool Change

All Multicam Series CNC routing machines have Automatic Tool Change available. Our unique enclosed tool change carousel was designed with tool protection and operator safety in mind. If you manufacture components which require multiple tools, the use of a fully Automatic Tool Change system will see major increases in production, and performance. The tool change operation is carried out completely automatically by the Multicam control system.



## Machining

The Multicam's steel gantry and rigid design, along with industry proven HSD high frequency spindles incorporating ISO30 tooling, provide stability and accuracy while achieving high quality edge finishes. Integrating a cutting fluid misting unit allows for consistent heat dissipation, lubrication and improved tool life. Additional features include Multiple TAB's, Lead in/out, Start point selection, Tool plunge speed, Restart control, Multi Job storage, Tool offset, Depth Adjustment, Pattern Digitising, Drill Points and Climb Milling.



## Trico Mist Sprayer

We have been using the MD-1200 for a number of years. The MD-1200 positive-feed misting unit provides consistent tool lubrication and cooling. Features include positive pressure design which gives instant fluid delivery for faster cycle times and independent controls allow for maximum flexibility in adjusting liquid air flow for each nozzle.

**MULTICAM**  
CNC ROUTING SYSTEMS

**NSW OFFICE:**  
60 Enterprise Drive, Beresfield,  
NSW 2322 Australia  
Phone (02) 4964 1900 Fax (02) 4964 1911

**VIC OFFICE:**  
72/170 Forster Road, Mt Waverley,  
VIC 3149 Australia  
Phone (03) 9558 8022 Fax (03) 9558 8055



[www.multicam.com.au](http://www.multicam.com.au)