

# **MultiCam**<sup>®</sup>

## **CNC Cutting Solutions**

## **Features & Specifications Guide for MultiCam 4000 Series CNC WaterJet**

### **Small Footprint... ...Big Performance!**

The MultiCam 4000 Series Cantilever WaterJet cutting system is an affordable, highly accurate, highly accessible, production cutting solution. Designed for manufacturers who need to cut heavy stone or like materials or need a large processing area without sacrificing accuracy or cutquality. This system is manufactured with precision and accuracy as the end result. Using high precision machinery processes, and verifying with certified laser calibration equipment, insures the overall standards guaranteed by MultiCam. Precision machined helical rack and pinion gears and top of the line high precision planetary gear boxes will take the system well into the future and help build any business plan.

The MultiCam 4000 Series Waterjet also comes with the full support of the MultiCam Technology Center network, with over 70 locations worldwide. MultiCam sales, service, and training are always nearby.

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**Innovation. Quality. Performance.**

# 4000 Series WaterJet

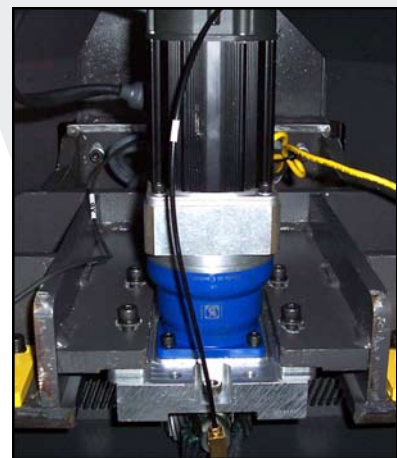
Your investment is protected against shop elements with armoloy rail coatings, labyrinth seals, bellows, and built in self-test routines. If that wasn't enough, the MultiCam gantry and X-axis base are welded, stressed relieved, and machined from heavy structural steel. The cantilever design will provide full access to three sides of the cutting tank, which provides easy loading and unloading of material. It is no surprise that the MultiCam 4000 Series system is one of the most reliable, smoothest and accurate cutting systems on the market today.



## Standard Features

No machine offers more standard features than the MultiCam

- Digital Brushless AC Servos provide high-speed contouring
- Fully programmable retract between cuts
- User-friendly MultiCam EZ Control
- Standard Ethernet interface with DNC file system with unlimited file size transfer capabilities
- Material Database accessible via hand-held keypad
- High Precision planetary gearboxes with 1 arc minute backlash and 5 year warranty
- All axis are environmentally protected by bellows
- Single or Multiple head configurations available
- Fast switching between pure water and abrasive cutting
- Tool-Free, hand tightening abrasive nozzle design
- Tighter water jet stream for increased cutting speed
- Stress-relieved heavy-duty all steel construction
- Built-in connections for automatic abrasive removal
- Adjustable bed height
- Untitized cutting tank and x-axis
- Integral pneumatic water level control



## Machine

- Z-Axis Clearance 11”
- Z-Axis Travel 11”
- Resolution: .0001”
- Repeatability: +/- .001”
- Rapid Traverse: 1000 IPM
- Drive System X and Y-Axis: Helical Rack and Pinion
- Drive System Z-Axis: Ball Screw

## EZ Control

- Type: Stand Alone CISC/IFPU
- Interface: RS232 or Ethernet/DNC
- Memory: 8 MB
- File Size Limit: Unlimited
- File Type: M & G codes (EIA 274D), U-Cito, & HPGL

## Other Options

- CAD/CAM Software
- CE Certification/ UL Listing
- Abrasive Cutting Head
- Abrasive Metering System
- Abrasive Hopper (500 – 4000 pound capacity)
- Garnet Removal System
- Settling Weir
- Water Recycling System
- Intensifier Water Chiller
- Bar-code scanning interface
- Industrial PC Workstation with Graphical Interface

## KMT Intensifiers

- SL-V 15 HP .26 GPM Flow rate @60K PSI
- SL-V 30 HP .52 GPM Flow rate @60K PSI
- SL-V 50 HP .90 GPM Flow rate @60K PSI
- SL-V 60 HP 1.02 GPM Flow rate @60K PSI
- SL-V 75 HP 1.34 GPM Flow rate @60K PSI
- SL-V 100 HP 1.83 GPM Flow rate @60K PSI
- S-30 30 HP .52 GPM Flow rate @52K PSI
- SL-V E50 50 HP 1.00 GPM Flow rate @52K PSI

