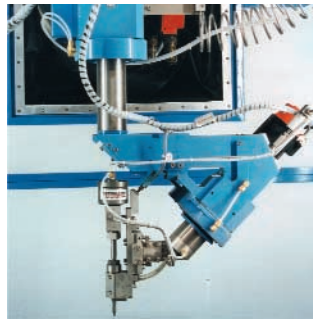


WJ-156

MULTI-AXIS ABRASIVE WATERJET SYSTEM

The Huffman WJ-156 Multi-Axis Abrasive Waterjet System is designed for increased productivity, precision, and reliability for a wide variety of applications including **FLIGHT AND INDUSTRIAL GAS TURBINE BLISKS, RINGS AND COOLING HOLES**. This system economically cuts or drills high quality, burr-free geometry with no heat affected zones (HAZ) in any direction for complex near-net shapes in metals, composites, glass and man-made fibers. For some applications, Huffman can integrate vision or digitizing systems to add even more flexibility and capability.



Inside the WJ-156

[WJ-156 AT-A-GLANCE]

- ▼ CUT METAL UP TO 16" (300 MM) THICK
- ▼ UP TO 8X FASTER THAN EDM
- ▼ ELIMINATE SECONDARY OPERATIONS
- ▼ EXCELLENT EDGE QUALITY (40 RMS)



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WJ-156

MULTI-AXIS
ABRASIVE
WATERJET
SYSTEM

[TECHNICAL DATA]

	Axis Type	Total Travel (axes under CNC control)	Feed Rate
X-AXIS	LINEAR	16" (406 MM)	0-393 IPM (0-10 MPM)
Y-AXIS	LINEAR	16" (406 MM)	0-393 IPM (0-10 MPM)
Z-AXIS	LINEAR	16" (406 MM)	0-393 IPM (0-10 MPM)
A-AXIS	ROTARY	UP TO 48" DIAMETER (UP TO 1219 MM)	
B-AXIS	ROTARY	±180°	10 RPM
C-AXIS	ROTARY	360°	10 RPM
	Programming Resolution	Positioning Accuracy	Positioning Repeatability
LINEAR AXES	0.0001" (0,001 MM)	±0.002"/FT (±0,167 MM/M)	0.002"/FT (0,167 MM/M)
ROTARY AXES	0.001°	±30 ARC SEC	30 ARC SEC
FEEDBACK OPTIONS	LINEAR ENCODERS	±0.0002"/FT (±0,0167 MM/M)	0.0002"/FT (±0,0167 MM/M)
TOTAL WEIGHT 16000 LBS (7257 KG)			
OVERALL DIMENSIONS 144 X 82 X 100" (3658 X 2083 X 2540 MM)			
NOZZLE CONCENTRICITY ±0.001" (0,025 MM)			

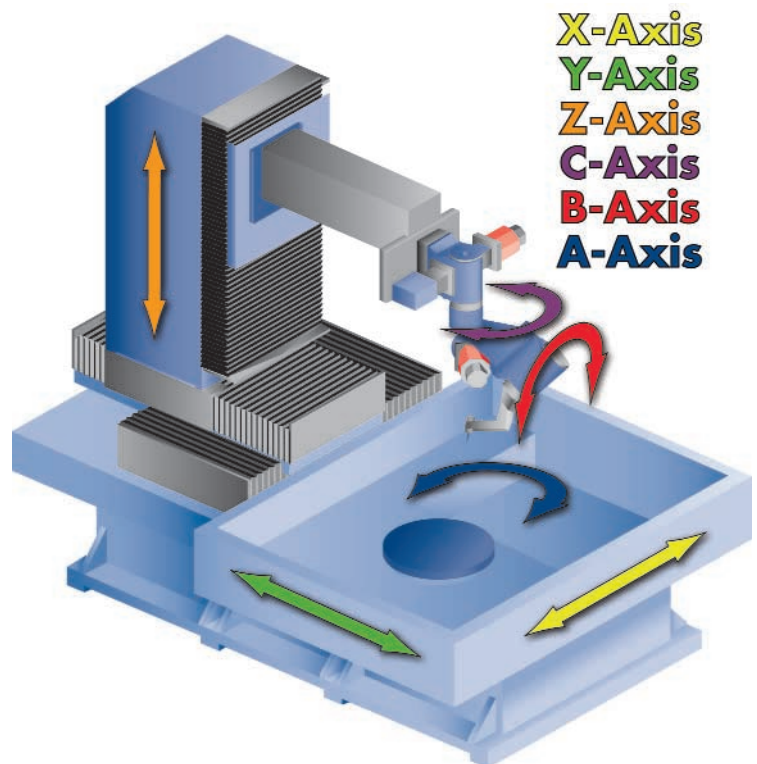
[WJ-156 AXIS CONFIGURATION]

▼ [STANDARD EQUIPMENT]

- Digital AC brushless servo drive systems
- Motor encoders on all axes
- Precision ballscrews and linear rails
- Metric design and hardware
- Vibro Isolation machine mounts
- Machine enclosure
- Heat exchanger for electrical cabinet
- Catcher tank integrated with machine base
- Plumbing interface kit

▼ [OPTIONAL EQUIPMENT]

- Huffman precision abrasive nozzle
- Huffman abrasive metering system
- Choice of intensifiers
- Bulk abrasive transfer system
- Reverse osmosis system
- Reclamation system
- Digital pressure gauge
- Contact probe
- Huffman abrasive clog sensor
- PC computer for programming
- Digitizing/splining software
- Autoload/unload capability
- CE compliance
- GE Fanuc or Huffman Open Architecture Control (OAC)



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