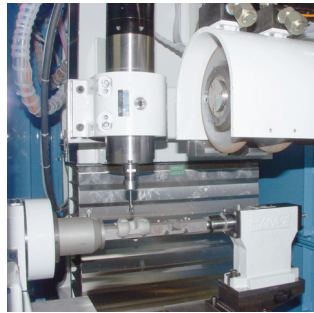


HS-154R-M

○ MULTI-AXIS SUPERABRASIVE GRINDING SYSTEM WITH HIGH-SPEED MILLING CAPABILITY

The Huffman HS-155R-M Multi-Axis Machining System includes high speed milling capability on a precise, durable, superabrasive grinding platform. The multi-tasking system opens new doors of opportunity to reduce setups, reduce total throughput time and cost, and to increase quality by combining operations into a single machine cycle. The system is designed to deliver exceptional commercial and technical benefits for a wide variety of applications including **MEDICAL INSTRUMENTS AND IMPLANTS, FLIGHT AND INDUSTRIAL GAS TURBINE BLADES, VANES AND SHROUDS, AND AUTOMOTIVE COMPONENTS.** All Huffman systems are designed with massively ribbed castings and other heavy-duty components to maximize process capability and reliability.



Inside the HS-154R-M

[HS-154R-M AT-A-GLANCE]

- ▼ MULTI-TASKING: GRINDING & MILLING
- ▼ SHORTER SETUP & CYCLE TIMES
- ▼ RIGID MACHINE DESIGN
- ▼ OPERATIONAL SIMPLICITY
- ▼ ERGONOMIC DESIGN FOR USER FRIENDLY SETUP & OPERATION
- ▼ 6 POSITION AUTOMATIC TOOL CHANGER



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HS-154R-M

MULTI-AXIS
SUPERABRASIVE
GRINDING
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	360°	
Programming Resolution		Positioning Accuracy	Positioning Repeatability
LINEAR AXES [SCALE FEEDBACK]	0.0001" (0,001 MM)	±0.0001 IN/FT (±0,008 MM/M)	0.0001 IN/FT (0,008 MM/M)
ROTARY AXES [SCALE FEEDBACK]	0.001°	±10 ARC SEC	10 ARC SEC
WHEEL SPINDLE RANGE	4000-8000 RPM*	TOTAL WEIGHT	16000 LBS (7257 KG)
WHEEL DIAMETER	4-10" (102-254 MM)	OVERALL DIMENSIONS	209 x 120 x 121" (5309 x 3048 x 3073 MM)
SPINDLE POWER	28 HP (20,9 kW)*	FLOOR TO CENTERLINE OF WORKHOLDER	42" (1067 MM)
MILLING SPINDLE	5000-30000 RPM*		
MILLING SPINDLE POWER	9.4 HP (7 kW)*		

* Variable speed and higher power options are available

▼ [STANDARD EQUIPMENT]

- 6 position tool changer
- High speed milling spindle
- Stress-relieved cast iron machine base
- Digital AC brushless servo drive systems
- Motor encoders on all axes
- Single wheel hub
- Metric design & hardware
- Oil-based coolant compatibility

▼ [OPTIONAL EQUIPMENT]

Application Software Options

- Aerospace, energy & automotive components
- Medical components
- Cutting tools
- CAD/CAM compatibility with Huffman or 3rd party post-processors

Grinding Spindle Options

- Variable speed, multiple wheel hub configurations, quick-change hubs, wheel balancing, higher power motors

Workholding Options

- EROWA, 3-R, HSK, CAT, collet, arbor-style tooling, tailstock with centers, steady-rests, quick change pallets

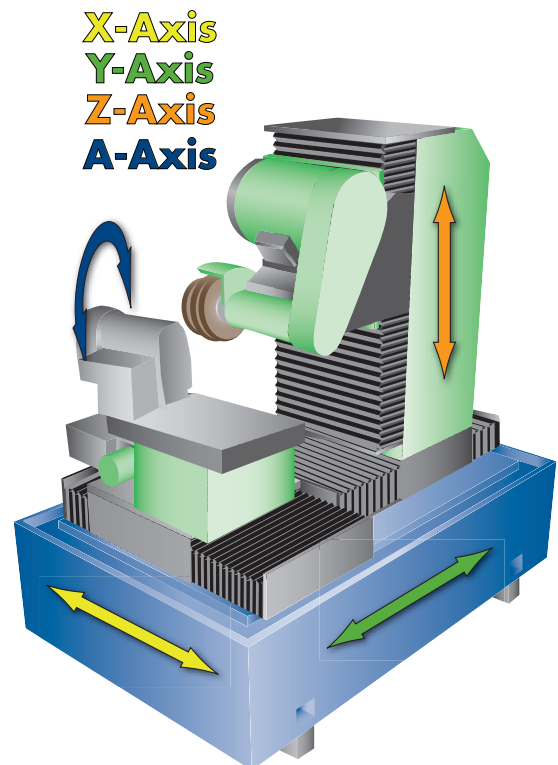
Coolant System Options

- 100-500 psi (7-35 bar)
- Water-soluble coolant capacity
- Paper, centrifuge, DE & other filtration
- Temperature control
- Mist exhaust filtration
- Spray washdown system

Control Options

- GE Fanuc, Huffman Open Architecture Control

[HS-154R-M AXIS CONFIGURATION]



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