

# MS-40C

3-AXIS CNC RAM EDM



**HANSVEDT**

CNC Ram EDM Systems  
*for precision and affordability*

Ram EDM Machining.  
Perfected by

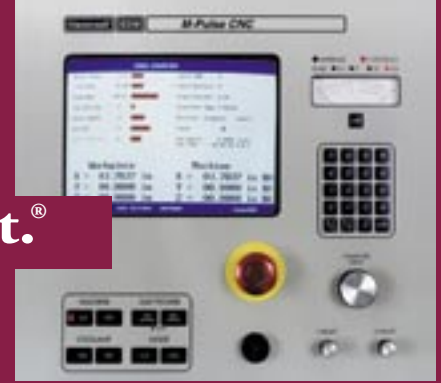
**HANSVEDT®**



# CNC Ram Electrical Discharge Machining.

## Perfected by Hansvedt.®

Hansvedt...simplifying the EDM process.



### MS-40C EDM FEATURES:

- Heavy-duty, compact machine tool utilizing the patented Hardinge® HARCRETE® base design
- Precision linear guideways on the X-, Y- and Z-axes
- Extended Z-axis travel (12")
- High-response AC servos and ballscrew drives
- Flexible, very-friendly software with menus for a wide variety of tasks
- Remote control for convenient setups
- Programmable orbiting, vectoring, contouring and positioning
- 3.5" disk drive and RS-232 I/O
- High-performance, digital 75-amp M-Pulse power supply (150-amp optional)
- Programmable DC arc protection
- High-flow dielectric fluid system including reservoir, turbine pump and dual 5 micron filters
- Dielectric chiller
- Flushing controls for pressure, vacuum worktank bypass and fluid level
- Fluid level safety switch and transparent worktank door

### PRODUCTIVITY YOU DEMAND:

- Easy-to-program single or multiple cavity jobs at the machine or off-line
- Built-in library of surface finish settings plus user defined capability
- Dependable DC arc sensing avoids damaged parts and electrodes
- Optional 6-position automatic tool changer for extended productivity

### PERFORMANCE YOU EXPECT:

- Exceptional metal removal rates: 1.4 in<sup>3</sup>/hr, graphite to steel 2.7 in<sup>3</sup>/hr optional
- Surface finish: 8 micro-inch AA
- Fast worktank fill and drain rates
- Continuous filtration system provides a high flow of clean fluid to the work area
- Positioning accuracy: ±0.0002"

### PROFITABILITY YOU DESERVE:

- Customize an option package to suit your requirements:
  - 75-amp booster module
  - Fire suppression system
  - 6-position ATC
  - High-precision dielectric chiller
  - Off-line programming software
  - Capacitor module
  - System 3R electrode and workpiece tooling
- Outstanding customer support with installation, training and phone assistance
- Energy efficient and operator safe low voltage power supply output

### MS-40C EDM SPECIFICATIONS:

<b>Machine</b>	
Table Dimensions (WxD)	15x9"/381x229mm
Worktank Dimensions (WxDxH)	25.6x16x11"
	650x407x280mm

<b>Table Travel</b>	
X-Axis	12"/304mm
Y-Axis	7"/177mm
<b>Ram Travel (Z-Axis)</b>	
	12"/304mm
<b>Platen-to-Table Distance</b>	
	8 to 21"
	203 to 533mm

<b>Electrode Weight (Max.)</b>	
	100lb/45kg
<b>Workpiece Capacity (Max.)</b>	
	300lb/135kg

<b>Power Supply</b>	
Peak Current	75 amp
	150 amp optional
<b>Electrode Wear</b>	
	<1%
<b>Surface Finish Capability</b>	
	8 μinch AA
<b>Input Power</b>	
	195 to 250 VAC
	60Hz, 3 phase

<b>Dielectric System</b>	
Reservoir Capacity	100 US gal / 170 liter
Filter Type	Dense Pack
Chiller	2,400 BTU

<b>Control</b>	
Type	PC-based
Controlled Axis	ZXY simultaneous linear Z stepped, XY circular
Memory	2 GB
CRT Display	14"/365mm
Input	Manual, RS-232 3.5" disk drive
Output	RS-232, 3.5" disk drive

<b>Floor Space</b>	
(WxDxH)	83x70x84"
	2108x1778x2134mm

<b>Net Weight</b>	2,900lb/1315kg
-------------------	----------------



A Division of Arrow EDM Inc.

### Hansvedt

802 Veterans Parkway  
Rantoul, IL 61866 USA

To Order, Call:

**800-637-0956**

Fax:

**217-893-1887**

Internet:

**www.hansvedt.com**

*"Hansvedt Quality. Redefining  
Craftsmanship for the 21st Century."*

All marks indicated by ® or ™ are trademarks of Hansvedt. All tooling shown is optional. All specifications are subject to change without notice.

Brochure 1167  
Part No. C -0009500-1167  
© Hansvedt, 2003