

# DS-2



**HANSVEDT**

wire EDM Systems

*for precision and affordability*

Wire EDM Machining.

Perfected by

# HANSVEDT®



# CNC Wire Electrical Discharge Machining.

Perfected by Hansvedt.®

Hansvedt...simplifying the EDM process.



## DS-2 EDM FEATURES:

- Heavy-duty compact machine tool with 300-lb workpiece capacity
- Precision linear guideways on the X- and Y-axis
- Turcite®-lined Z-axis guide
- High-response DC servos and ballscrew drives
- Round diamond guides
- Flexible, user-friendly software with menus for a wide variety of tasks
- Thermally-stable granite upper and lower guide supports
- Dry-run tracing tablet to verify programs
- Remote control for convenient setups
- Granite wire alignment block
- 3.5" disk drive and RS-232 I/O
- High performance, digital M-Pulse power supply
- High-flow dielectric fluid system including reservoir, turbine pump and 1 micron filter
- Dielectric chiller enhances cutting accuracy
- Flushing controls for pressure through upper and lower guide
- Fiber optic worklight

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



A Division of Arrow EDM Inc.

## PRODUCTIVITY YOU DEMAND:

- Easy to program single or multiple cuts at the machine or off-line
- Built-in library of surface finish settings plus user-defined capability
- Dependable DC arc sensing avoids damaged parts
- Optional precision workholding tooling
- Compatible with all major CAD/CAM systems

## PERFORMANCE YOU EXPECT:

- Easy-to-thread wire transport system
- Accommodates wire spool sizes up to 6"
- Surface finish: 10 micro-inch AA
- Extended duty conical carbide wire contractors
- Continuous filtration system provides a high flow of clean fluid to the work area
- Positioning accuracy:  $\pm 0.0002"$

## PROFITABILITY YOU DESERVE:

- Ideal for:
  - Mold inserts
  - Extrusion dies
  - Trim dies
  - Stamping dies
  - Powdered metal dies
  - Form tools
  - Punches
  - Parts production
  - EDM electrodes
  - Metallurgical samples
- Outstanding customer support with installation, factory training and phone assistance

## DS-2 EDM SPECIFICATIONS:

Machine	
Workpiece Rail (WxD)	7.5x11.5"/191x292mm
Workpiece Dimensions (WxDxH)	18x27x6" 457x685x152mm

Table Travel	
X-Axis	6.5"/165mm
Y-Axis	10.5"/267mm
Z-Axis	6"/152mm
Workpiece Weight (Max.)	300lb/135kg
Wire Diameter Range	.004 to .014" .1 to .35mm
Wire Guide Type	Round Diamond
Wire Spool Capacity (Max.)	6"/152mm Dia. 14lb/6.3kg

Power Supply	
Output Current (Max.)	20 amp
Cutting Speed (Max.)	14in <sup>2</sup> /hr 150mm <sup>2</sup> /min
Surface Finish Capability	10 $\mu$ inchAA
Input Power	195-250 VAC 60Hz, 3 phase

Dielectric System	
Reservoir Capacity	40 US gal / 151 liter
Filter Type	Paper, 1 micron
Chiller	2,400 BTU
Resin Capacity—Standard	1/3 ft <sup>3</sup> /9.5 liter
Optional	1 ft <sup>3</sup> /28 liter

Control	
Type	PC-based
Controlled Axes	XY simultaneous
Memory	850MB
CRT Display	14"/365mm color
Input	Manual, RS-232 3.5" disk drive
Output	RS-232 3.5" disk drive

Floor Space (WxDxH)	71x57x83" 1803x1448x2180mm
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Net Weight	2,200lb/1,000kg
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[www.tdmachinetools.com](http://www.tdmachinetools.com)

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