

DS-2

2-AXIS WIRE EDM



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

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
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Wire Diameter Range	.004 to .014" .1 to .35mm
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Wire Guide Type	Round Diamond
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Wire Spool Capacity (Max.)	6"/152mm Dia. 14lb/6.3kg
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Power Supply

Output Current (Max.)	20 amp
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Cutting Speed (Max.)	14in ² /hr 150mm ² /min
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Surface Finish Capability	10 μ inchAA
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Input Power	195-250 VAC 60Hz, 3 phase
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Dielectric System

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

Control

Type	PC-based
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Controlled Axes	XY simultaneous
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Memory	850MB
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CRT Display	14"/365mm color
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Input	Manual, RS-232 3.5" disk drive
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Output	RS-232 3.5" disk drive
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Floor Space (WxDxH)	71x57x83" 1803x1448x2180mm
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Net Weight	2,200lb/1,000kg
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A Division of Arrow EDM Inc.

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