



Acer DX

High-Speed, Precision Plasma Cutting Machine

The Acer DX is a high-speed, high-precision gantry that delivers the performance and ease-of-use desired by manufacturers, job-shops, and fabricators around the globe. Precision cutting and accuracy are ensured by a three-axis precision gantry with rack-and-pinion drives; precision linear ways in both the x- and y-axis; a compact, unitized rugged design with welded and precision-machined frame; digital AC drives and AC brushless motors. The gantry features steel construction with machined mating surfaces for stiffness and accuracy; dual side drives; and precision heavy-duty gearboxes for smooth motion and long life. The Acer DX is available with either a 5'x10' or 6'x12' working area. The machine includes an integrated downdraft table with multiple zones for efficient fume collection. Optional pull-out slag drawers are available for ease of cleaning.



Specifications	Acer DX 5 x 10	Acer DX 6 x 12
Cutting Width	60" (1500 mm)	72" (2000 mm)
Cutting Length	120" (3000 mm)	144" (4000 mm)
Overall Machine Width	102" (2591 mm)	122" (3099 mm)
Overall Machine Length	171" (4343 mm)	211" (5359 mm)

General Machine Specifications	
Cutting Processes	Plasma
Plasma System Options	Up to 360 Amps
Plasma Cutting Thickness	max. 1.25 inch
Maximum Plasma Stations	1
Work Table Height	33" (840 mm) nominal
Speed Range	2 - 1400 ipm (50 - 35560 mm/min)
Power Requirement	230/460/575 VAC, 50/60 Hz, 3-Phase, 30 Amp (Special input voltages are available upon request)

The Acer DX is available in the following configurations:

- 5'x10' or 6'x12' cutting zone
- 200 or 360 Amp m3 plasma with Automatic Gas Control
- Vision 51 or Vision T5 CNC
- Ethernet or USB Connections
- Packaged with dust collector & ductwork
- Packaged with basic software or automatic nesting

Standard Features

- 3 Axis Gantry with Rack-and-Pinion Drives
- Steel construction, precision machined mating surfaces
- Precision Linear Rail Guide Ways in X and Y axes
- Digital AC Drive Amplifiers for years of maintenance free operation
- AC Brushless Motors for wide speed range with accurate speed control
- Precision Heavy-Duty Gearboxes for accuracy and smooth motion
- Maximum Machine Speed: 1400 ipm (35560 mm/min)
- Positioning Accuracy: +/-0.004", Repeatability: +/-0.002"
- High speed torch lifter with Arc Voltage Height Control
- Mobile Operator's Pedestal for flexibility
- Integrated multi-zone downdraft table
- Handles up to 1.25" (32 mm) thickness
- 5' x 10' (1.5m x 3m) or 6' x 12' (2m x 4m) cutting sizes
- Available with either 200 Amp or 360 Amp m3 Precision Plasmarc System
- Plasma cutting and marking with the same torch, same nozzle
- Fully automatic m3 plasma gas control
- Easy installation, built-in fork-truck slots & floor leveling pads
- Fully enclosed hose & cable carriers
- Vision 5x CNC with USB and Ethernet

Specifications are subject to change without notice. Please contact ESAB Cutting Systems for the most current specifications, numerical control, and available equipment.



ESAB CUTTING SYSTEMS

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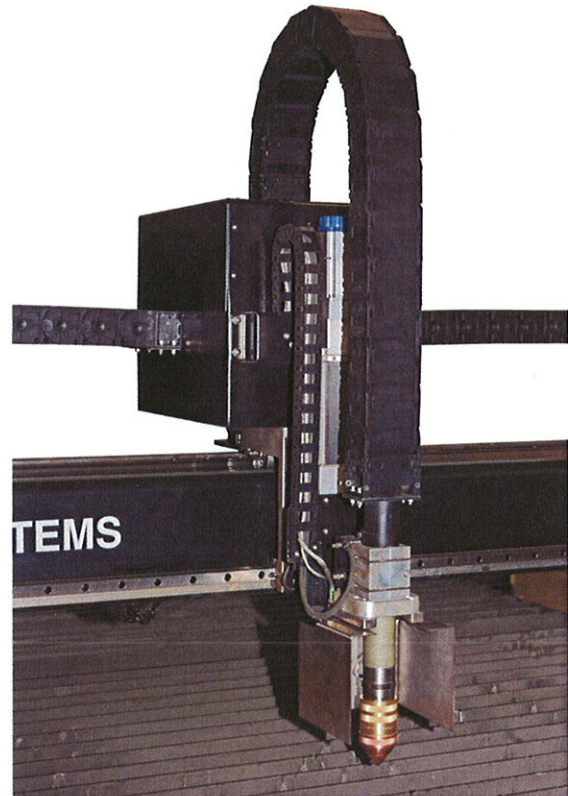
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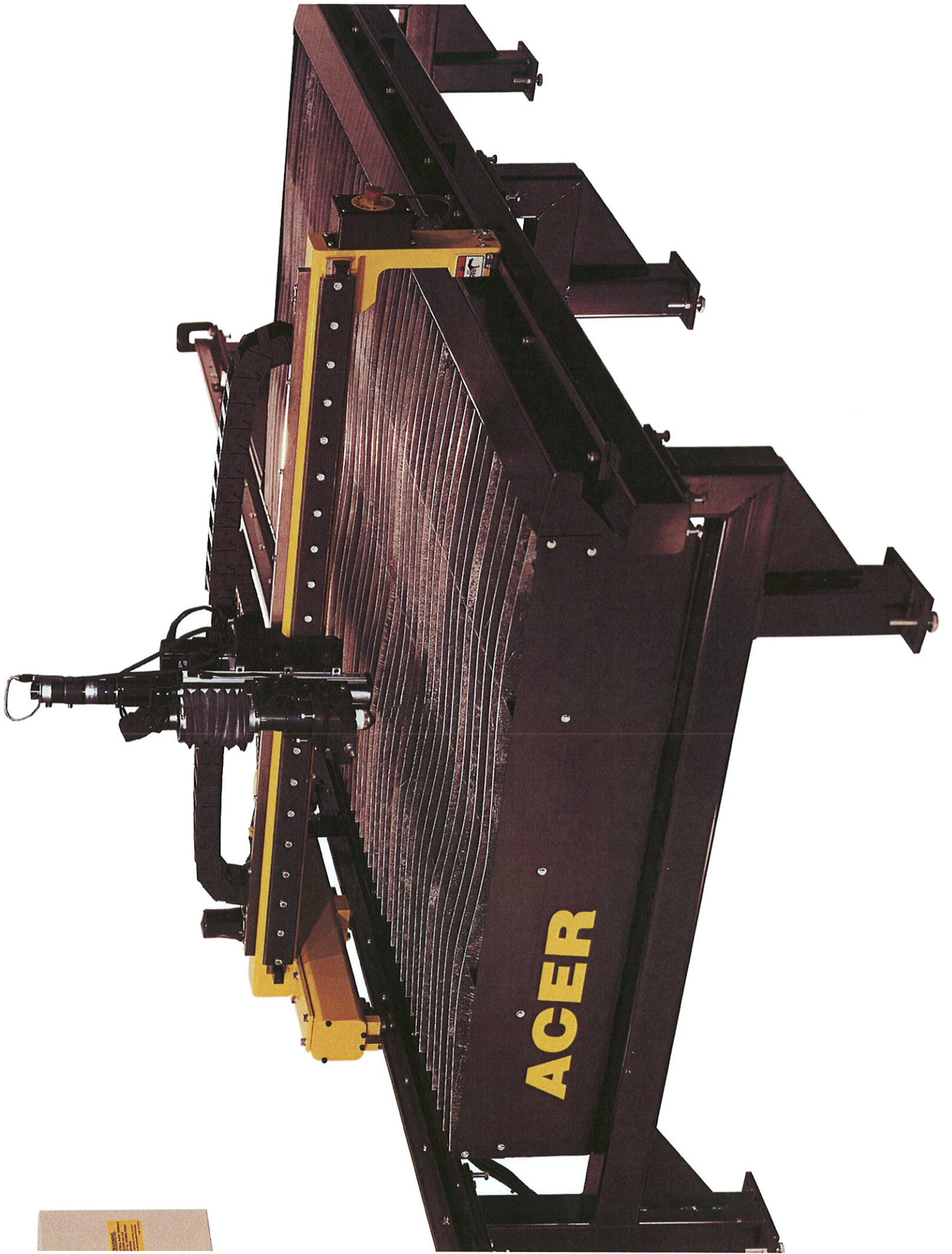
Precision Plasmarc® Cutting & Marking

The Acer DX features ESAB's exclusive m3 Precision Plasmarc® system, providing a wide range of capabilities, including conventional high-speed plasma cutting, precision plasma cutting, and plasma marking, all in a single plasma system. Available with either 200 or 360 amp systems, m3 is fully integrated into the Vision CNC for quick and easy process setup. A built-in process database allows the operator to pick the material type and thickness, then shows the torch parts and part numbers on screen. The plasma station features a soft-touch initial height sensing system, and a break-away crash protection system.



Every system includes:

- m3 Precision Plasmarc with Automatic Gas Control
- Both Cutting and Marking Capability
- PT-36 Tool Kit and Startup Kit with start-up consumable supply
- Built-in Process Database for easy plasma setup
- Multi-Gas Capability for Mild Steel, Stainless, and Aluminum



ACER

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