

# ***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.

- The Acer DX is available in the following configurations:**
- + 5'x10' or 6'x12' cutting zone
  - + 200 or 360 Amp m3 plasma
  - + Vision 51 or Vision 55 CNC
  - + Ethernet or USB Connections
  - + Packaged with dust collector & ductwork
  - + Packaged with basic software or automatic nesting

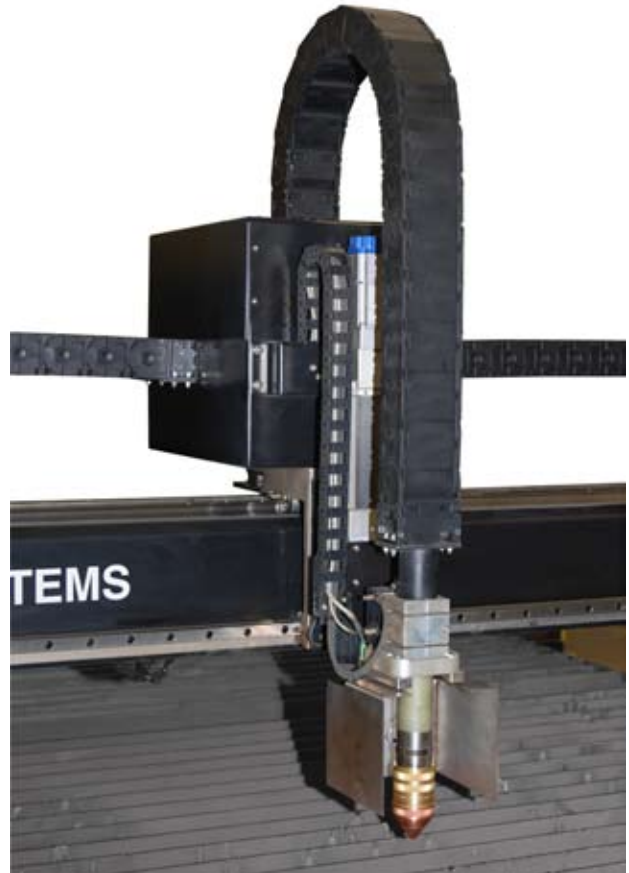
<b>Specifications</b>	<b>Acer DX 5x10</b>	<b>Acer DX 6x12</b>
Cutting Width	60" (1500 mm)	72" (2000 mm)
Cutting Length	120" (3000 mm)	144" (4000 mm)
Maximum Material Thickness	1.25" (32 mm)	
Maximum Machine Speed	1400 ipm (35560 mm/min)	
Cutting Table Surface Height	33" (840 mm) nominal	

## Acer DX 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

## 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
- + Exclusive SpeedLoader tool for quick consumable changes
- + 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

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



**ESAB Welding & Cutting Products**



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