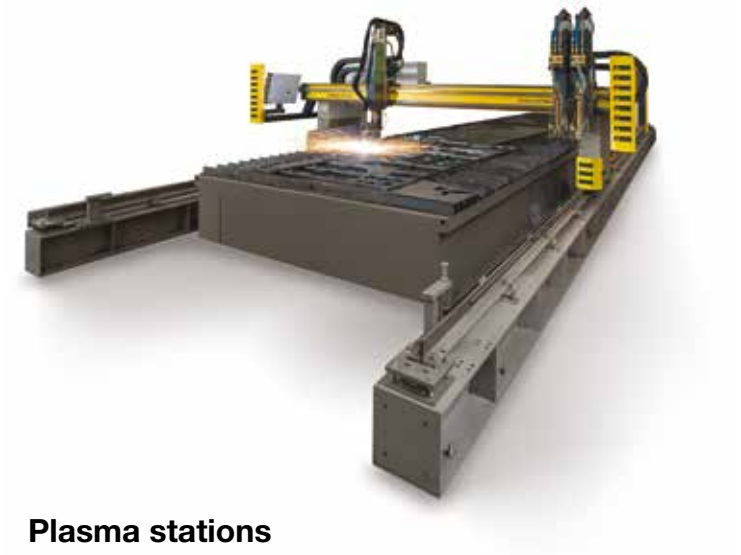
Combirex™ DX

CNC Gantry Cutting Machine



The Combirex DX offers large gantry design and performance in a compact package. The rugged gantry features all-steel construction with machined mating surfaces for stiffness and accuracy. Heavy duty weldments support triple machined T-rails to provide a sturdy, stable foundation. Featuring a precision linear rail Y-axis guiding system, precision three-axis rack-and-pinion drives, digital AC drives and AC brushless motors, this machine delivers the cutting performance you would expect from much more expensive gantries.

Plasma stations

The Combirex DX can be equipped with air plasma systems up 120 amps or ESAB's iSeries Plasma System, which allows the machine to cut and mark with the same plasma torch. The iSeries system is available on the Combirex DX in 100, 200, 300 or 400 Amp configurations.

Plasma bevelling

The Combirex DX can be equipped with the optional DMX Automated Plasma Beveller. The compact plasma bevel system uses compound motion and ESAB's SmartBevel Technology to deliver high productivity with reliable beveling.

Oxy-Fuel torch stations

The Combirex DX may be equipped with up to 4 oxy-fuel cutting stations. The stations feature heavy duty motorized lifters with capacitive height control and pilot flame torch ignitors. An electronic proportional valve gas control sets high/low preheat pressures, cutting oxygen pressure, and pierce ramp automatically through the built-in process database.

Plate marking

With the Combirex DX, plate marking can be accomplished by the iSeries plasma system or by an optional air scribe marker, allowing accurate marking and cutting on the same parts.

Combirex DX Features:

- Built with sturdy components typically reserved for larger machines, Combirex delivers exeptional durability.
- Featuring oversized drives, linear rails, and a stiff gantry design, Combirex excels at precision plasma and small hole cutting.
- Combirex makes it easy to product high-quality parts thanks to high speeds, excellent accuracy and smooth motion.
- The machine is equipped with an innovative safety package that provides full compliance with EC Machinery Directive.

Visit **esab.com** for more information.

Combirex™ DX

Gantry Specifications

Combirex DX	2500	3000	3500	4000
Recommended Max. Plate Width	1.5 m	2 m	2.4 m	3 m
Max Cross Travel with 1 Tool	2000 mm	2500 mm	3000 mm	3500 mm
Max Cross Travel with 2 Tools	2000 mm	2500 mm	3000 mm	3500 mm
Max Cross Travel with 3 Tools	1800 mm	2300 mm	2800 mm	3300 mm
Max Cross Travel with 4 Tools	1600 mm	2100 mm	2600 mm	3100 mm
Max Cross Travel with DMX	-	2130 mm	2630 mm	3130 mm
Max Cross Travel with DMX + 1 Oxy	-	-	2420 mm	2920 mm
Max Cross Travel with DMX + 2 Oxy	-	-	2210 mm	2710 mm
Max Cross Travel with DMX + 3 Oxy	-	-	2000 mm	2500 mm
Rail Gauge	2500 mm	3000 mm	3500 mm	4000 mm
Internal Clearance	2184 mm	2692 mm	3200 mm	3683 mm
Maximum Table Outside Width	1956 mm	2451 mm	2947 mm	3454 mm
Machine Width	3625 mm	4125 mm	4625 mm	5125 mm
Machine Height	2100 mm			
Work Table Height	660 - 762 mm			
Parking Area	1440 mm			
Speed Range	50.8 - 25000 mm/min			
Power Requirement	230/460/575 VAC, 50/60 Hz, Single-Phase, 30 Amp (Special input voltages are available upon request)			

Rail System Specifications

Track Height 463 mm

Rail Length	Travel Length	H-Beam Length
5 m	3569 mm	5236 mm
6 m	4569 mm	6236 mm
8 m	6569 mm	8236 mm
10 m	8569 mm	10236 mm
15 m	13569 mm	15236 mm
20 m	18569 mm	20236 mm

Tool Specifications

Cutting Processes	Plasma, Plasma Bevel, Oxy-Fuel
Plasma System Options	Up to 450 Amps
Plasma Cutting Thickness	Max. 50 mm (2 in.)
Plasma Bevel Cutting Thickness	Max 40 mm (1.5 in.)
Maximum Plasma Stations	1
Oxy-Fuel Cutting Thickness	max. 200 mm (8 in.) when edge starting
Maximum Pierce Thickness	150 mm (6 in.) with one oxy-fuel torch
Maximum Oxy-Fuel Stations	4
Maximum Marking Tools	1 Air-Scribe Unit
Maximum Total Stations	4
Maximum Tool Configurations	1 plasma and 3 oxy-fuel, or 4 oxy-fuel, or 1 plasma, 1 marker, and 2 oxy-fuel

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

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XA00193720 / GL-EN / 10/2017 Note: Specifications subject to change without notice. Products may vary from those pictured.