

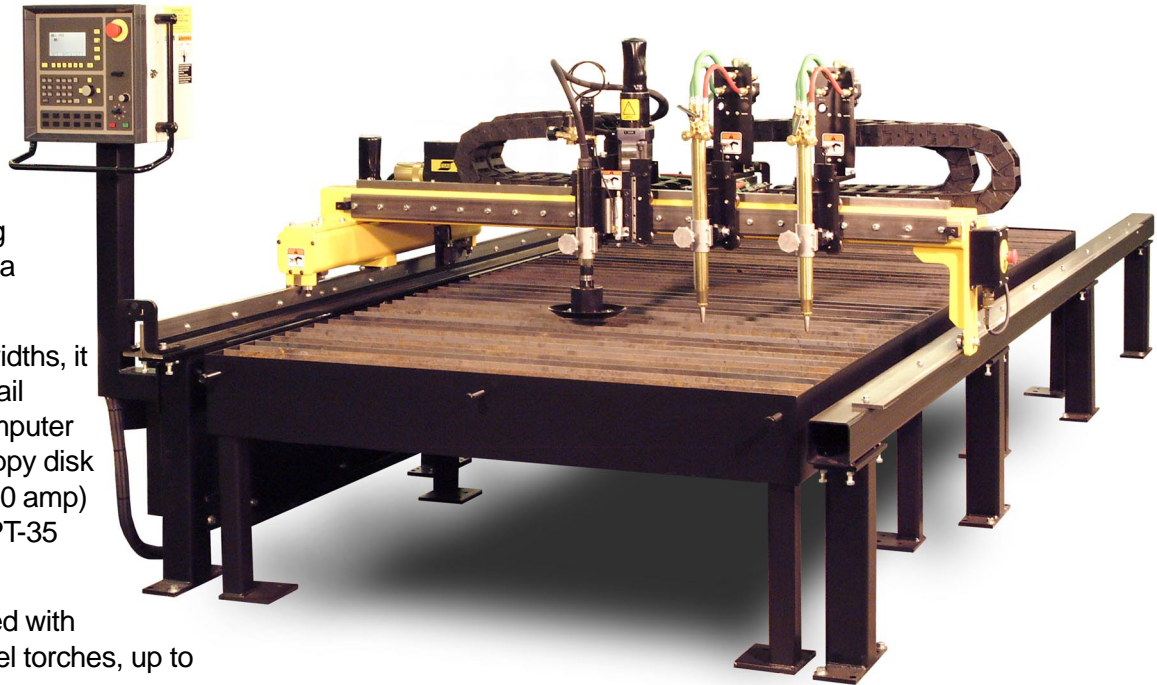
Piecemaker Plus

Gantry Cutting Machine

The **Piecemaker Plus** is the ideal high performance machine for small to medium size fabricators needing the flexibility and precision of a Computer Numerical Controlled cutting machine without the cost of a large gantry.

Available in three different widths, it comes standard with a 16' rail system, the Vision™ LE computer numerical control, a 3.5" floppy disk drive, and the ESP-50 (20-50 amp) plasma power supply with PT-35 plasma torch.

Optionally, it can be equipped with manual or motorized oxy-fuel torches, up to 200 Amp plasma, a pneumatic marker, the Vision™ PC Windows based CNC, and even the VideoPath solid state electronic template tracer.



Piecemaker Plus	5	6	7
Single Station Cutting Width	60" (1524 mm)	72" (1828 mm)	88" (2235 mm)
Machine Width	85" (2159 mm)	97" (2464 mm)	109" (2768 mm)
Rail Gauge	75" (1905 mm)	87" (2209 mm)	99" (2515 mm)
Internal Clearance	68" (1727 mm)	80" (2032 mm)	92" (2336 mm)

Specifications	
Positioning Accuracy	+/- 0.015" (.38 mm)
Repeatability	+/- 0.005" (.13 mm)
Speed Range	2 - 750 ipm (50 - 19050 mm/min)
Maximum Plasma Stations	1
Maximum Oxy-Fuel Stations	4
Maximum Marking Stations	1
Maximum Process Tools	5
Parking Area	43" (1092 mm)
Machine Height	66" (1676 mm)
Cutting Table Slat Height	25-7/8" (657 mm)
Maximum Workpiece Height	31" (787 mm)
Power Requirement (for gantry)	230/460/575 VAC, 50/60 Hz, Single Phase, 30 Amp (Special input voltages are available upon request)

Notes:

- Rails are available in increments of 9' and 16' (2743 and 4876 mm).
- Basic machine includes 16' rail system, yielding 12' of travel.
- Basic 16' rail can be extended by 9' for an effective travel length of 21', or by 16' for an effective travel length of 28'.
- Cutting Width listed is for a single process carriage. Cutting Width is reduced for each additional process carriage.
- Machine Height is to top of CNC.
- Accuracy is measured over a 60" x 60" area.

Standard Features

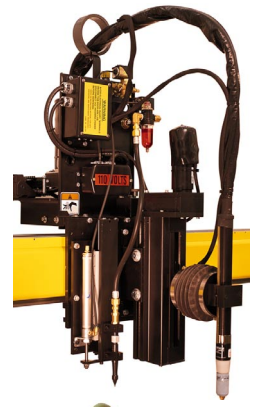
- Rack-and-Pinion Drives
- 1/2" Wall Steel Tubing Construction for high-rigidity
- High-stiffness delta-brace design
- Precision Hardened V-Rail Cross Beam Guiding System
- Precision Heavy-Duty Gearboxes for accuracy and long life
- Digital AC Drive Amplifiers for years of maintenance free operation
- AC Brushless Motors for smooth, accurate motion
- Maximum Machine Speed: 750 ipm (19050 mm/min)
- Cross Axis Powertrack Hose & Cable Carriers
- Handles up to 4 inch thick (100 mm) material.
- Positioning Accuracy: +/- .015", Repeatability: +/- .005"
- Heavy Duty Welded Pedestals with Leveling Adjusters
- Precision Machined T-Rail X-Axis
- Tongue & Groove Rail Joints
- Standard 16' Rail System (12' Cutting Length)
- Vision LE Computer Numerical Control

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

Available Process Tools

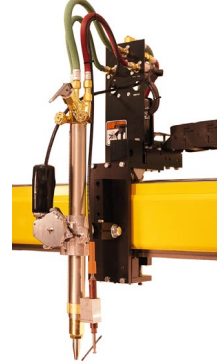
Plasma

The Piecemaker Plus can be equipped with standard plasma cutting stations featuring the PT-35, PT-20AM, PT-600, or PT-15XL torch. These stations include high speed vertical lifters, omni-directional crash protection, and can be configured for Air plasma up to 100 Amps, Oxygen or Nitrogen plasma up to 200 Amps, or Argon-Hydrogen plasma up to 200 Amps.



Oxy-Fuel

The Piecemaker Plus may be equipped with up to 4 oxy-fuel cutting stations, and can include motorized lifters, automatic ignitors, and automatic gas control solenoid valves. A Hi/Low Preheat Gas Control System is available for automatic switching between high and low preheat pressures.



Air Scribe

The Shadow 2 can be equipped with a pneumatic scribe marker for marking layout lines and text on steel plate. Used in conjunction with a cutting torch, the marker can make accurate marks on parts prior to cutting, including bend lines, center points, and text.



Options

- Rail Extensions to 25' or 32' total rail length (21' or 28' total cut length)
- 50 Amp, 100 Amp, 150 Amp, or 200 Amp Plasma Systems
- Arc Voltage Height Control
- Crash Protection
- Air Scribe Plate Marker
- Oxy-Fuel Torch Stations, with manual or motorized lift
- Water Spray Head
- Vision PC Windows Based CNC



**ESAB - Your Partner
in Welding and Cutting**



In U.S.A.
411 S. Ebenezer Rd
P.O.Box 100545
Florence, SC 29501-0545
Phone (843) 664-4394
Fax (843) 664-4403

In Canada
6010 Tomken Road
Mississauga, Ontario L5T 1X9
Phone (905) 670-0220
Fax (905) 670-4879

In Mexico
AVE. Diego Diaz de Berlanga No. 130
Col. Nogalar
San Nicolas de los Garza, N.L. 66480
Monterrey, Mexico
Phone 52-8-305-3700
Fax 52-8-350-5920

www.esabcutting.com