

BOSCHERT

*CNC Punch / Plasma Machine
CombiCut® Series*



Boschert CombiCut Series

**Plasma Cutting • Punching
Forming • Marking**

- Single, Twin or Tri-head configurations
- Punching capacity of 36 or 50 Tons
- Throat Depths to 60" • 60" - 120" X-axis
- Automatic Repositioning included
- Hypertherm® HPR130™ "HyPerformance" system
- Complex internal and external contours are easily processed with unsurpassed cut quality
- Available with Rotation and RevoTool (multi-tool)



simply better!

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CombiCut® SERIES of CNC Punch / Plasma Machines

Combination of Technologies

In a joint effort with Hypertherm, the world leader in plasma arc cutting equipment, Boschert has developed a cost-effective alternative to combination punch/laser machines. Because of advances in the fine plasma technology in recent years, it is now possible to cut even very thin gauge sheet metal with high quality, low consumable costs and high productivity.

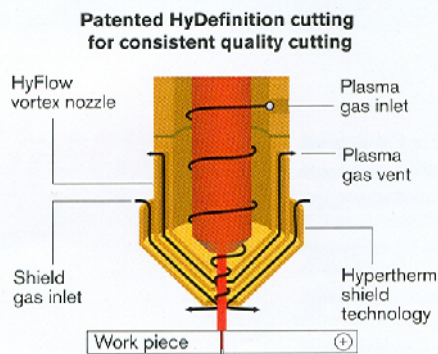
Advantages:

- High quality contouring with Hypertherm "HyPerformance" fine plasma system
- Large working areas at low cost
- High productivity at costs far less than combination punch/laser
- Many configurations available customized to your application

Extremely flexible:

Heavy-duty dual, C-frame construction allows working of oversized sheets by turning and automatic repositioning function.

Hypertherm "HyDefinition" Plasma System



**HyPerformance Plasma provides a
wide range of process flexibility**



HyPerformance technology aligns and focuses the plasma arc, improving arc stability and energy for more powerful precision cutting. Dross-free cutting minimizes part clean-up, scrap and rework. Improved hole and internal shape cuts rival laser quality at much lower cost.

Specifications:

Working range:

CombiCut 750x1500.....	30" x 60"
CombiCut 1000 x 2000	40" x 80"
CombiCut 1250 x 2500	50" x 100"
CombiCut 1500 x 3000	60" x 120"

Performance:

Plasma power	130 A
Maximum sheet thickness.....	1/2"
Maximum sheet length	33' w/ repo.
Maximum punching force	36 tons
Maximum punching force (optional).....	50 tons
Maximum workpiece weight.....	440 lbs.
Size of programmable parts chute.....	20" x 20"
Maximum punch diameter.....	4"
Tool change time:	

Manual monotool.....	15 sec.
RevoTool (4,6,7 or 8 tools).....	2 sec.

Maximum programmable stroke length	3.5"
Maximum stroke rate	

Punching	400 spm
Marking	800 spm

Maximum positioning speed

X-axis	2360 ipm
Y-axis	1180 ipm
Diagonal	3350 ipm

Positioning accuracy	+/- 0.004"
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Repeatability	+/- 0.001"
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Control.....	Boschert Graphic w/ RS232
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Type of drives	AC digital servo
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Height of table above floor	35.4"
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Approximate floor space

CC750	20' x 16' x 7'H
CC1000	23' x 18' x 7'H
CC1250	26' x 20' x 7'H
CC1500	30' x 21' x 7'H

Approximate weight

CC 750	29,750 lb.
CC 1000	31,750 lb.
CC 1250	36,000 lb.
CC 1500	38,250 lb.



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