

# Multibevel

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**Hypertherm**<sup>®</sup>  
True Hole Capable Machine

## Flexible Plasma Beveling

The Esprit Multibevel machine will cut components with a range of bevel details suitable for straight and radius edge weld preps, countersinks and a range of other component specifications. The Multibevel has an Esprit engineered precision bevel head and fully integrated True Bevel technology from Hypertherm for quicker set-up and more accurate bevel cutting.

The machine will handle plates up to 50 mm thick and covers V, A, and Top-Y style cuts with  $\pm 45^\circ$  limits. Secondary machining operations can be significantly reduced or eliminated offering huge operation savings.



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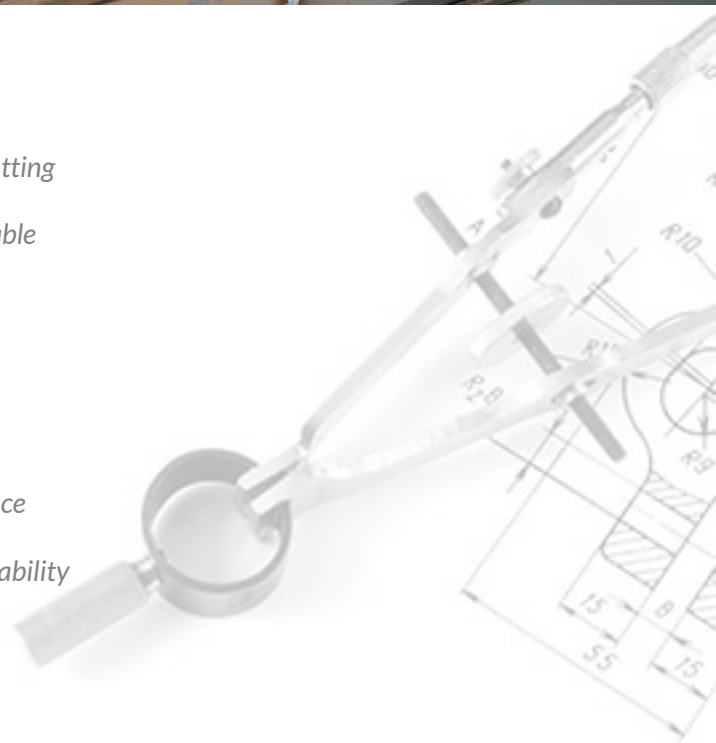


# Multibevel



## Design Features

- ✔ Advanced bevel head design ...*Precision bevel & conventional cutting*
- ✔ Reinforced heavy duty fabricated and machined design ...*Durable*
- ✔ Sizes available to suit any application ...*Flexible*
- ✔ Low profile floor mounted rails ...*High stability & accessibility*
- ✔ Overhead cable chain handling ...*Ease of access*
- ✔ Powerful digital AC brushless drives ...*High dynamic performance*
- ✔ Direct drive rack and pinion transmissions ...*Accuracy & repeatability*
- ✔ Unique perimeter safety system ...*Safe working area*
- ✔ Hypertherm True Hole capable ...*The best plasma cut holes*



## Multibevel Applications

- |                            |                                   |                           |
|----------------------------|-----------------------------------|---------------------------|
| ✔ Steel service centres    | ✔ Skip & waste handling equipment | ✔ Large fabrication       |
| ✔ Machinery manufacture    | ✔ Wind farm tower manufacture     | ✔ Agricultural machinery  |
| ✔ Ship building            | ✔ Offshore infrastructure         | ✔ Fork truck manufacture  |
| ✔ Yellow goods manufacture | ✔ Mining equipment manufacture    | ✔ HGV trailer manufacture |



# Designed & Engineered By Experts

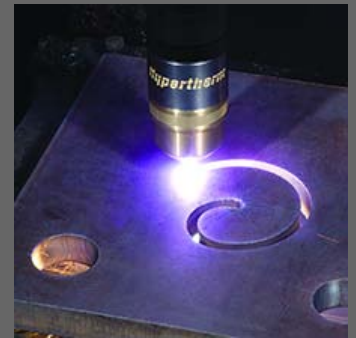
## EDGE Pro CNC

The EDGE Pro CNC incorporates all the latest technology for optimised machine performance and ease of use. The fibre-optic digital on-machine network ensures the very best contouring performance for accurate parts. The intuitive user interface via the 15" colour touch screen and on-screen wizards allow even inexperienced operators to achieve great results. Closely integrated with the HPR XD plasma systems, the EDGE Pro exploits plasma's full potential.



## HyPerformance HPR XD Plasma

HyPerformance Plasma cuts fine feature parts with superior quality and consistency, virtually eliminating the cost of secondary operations. Available in four sizes, the HPR XD plasma cutting systems cover all applications. Cutting mild steel, stainless steel and aluminium from gauge to 50mm and beyond, the HPR XD units produce high quality, consistent results over the life of the consumables. HyPerformance plasma delivers unprecedented cutting speed & quality.



The Multibevel machine is built to the same exacting standards of all Esprit machines, with integrated True Bevel technology from Hypertherm for unparalleled productivity. It is flexible enough to suit any application and is exceedingly durable with its reinforced machined & fabricated body design.



Every Multibevel machine is modelled and engineered by our design engineers using the Creo 3D software for precision, safety, and quality.



The precision gearboxes fitted to Multibevel machines are mounted on twin linear bearings for smooth and precise power transmission.



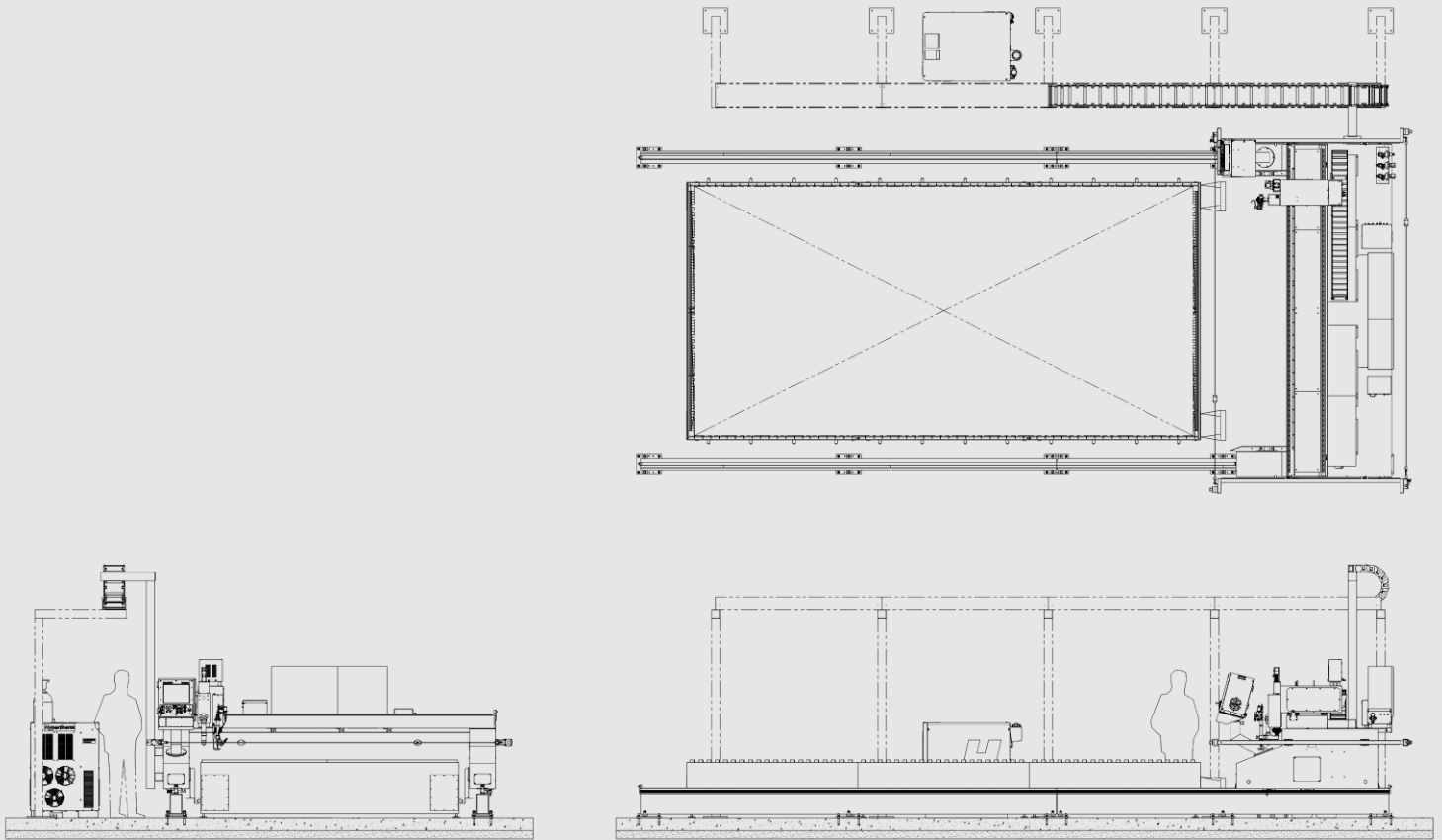
As standard, Multibevel machines are fitted with the unique Esprit perimeter safety system to protect workers. All Esprit machines are fully CE marked.



The Multibevel machine sits on low profile floor mounted rails, ensuring stability and accessibility never becomes an issue.

## Multibevel Machine Options

- ✓ HPR130XD - 16 mm dross free mild steel cutting
- ✓ HPR260XD - 32 mm dross free mild steel cutting
- ✓ HPR400XD - 38 mm dross free mild steel cutting
- ✓ HPR800XD - 160 mm stainless steel cutting
- ✓ Full range of Hypertherm plasma
- ✓ Oxy-fuel flame cutting - 300 mm
- ✓ Bed sizes 3 x 1.5 m to 50 x 6.5 m
- ✓ Up to 8 cutting torches
- ✓ High speed pin matrix marking
- ✓ Procut CAD/CAM software



## DESIGN SPECIFICATIONS

Nominal Cut Width	As per machine denomination (e.g. Multibeam 1500 = 1,500 mm)
Nominal Cut Length	Variable in 1,000 mm increments
Rail Length	Nominal Cut Length + 3,000 mm
Overall Width	Nominal Cut Width + 1,893 mm
Overall Length	Nominal Cut Length + 3,413 mm
Overall Height	3,008 mm (with Overhead X Axis Cable Chain) 1,908 mm (with Floor Mounted X Axis Cable Chain)
Maximum Traversing Speed	20 m/min

## POWER REQUIREMENTS

Input Voltage ( $U_1$ )	415 V / 3 Ph / 50 Hz / Earth / Neutral
Input Current ( $I_1$ )	6 - 9 A
Input Power ( $U_1 \times I_1 \times \sqrt{3}$ )	4.3 - 6.5 kVA
Recommended Fuse Size	16 A
Recommended Cable Size	2.5 mm <sup>2</sup> 5 core SY Control Flexible Cable



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