

VIPER
ESPRIT

CNC Plasma Cutter

Heavy duty precision cutting, 24 hours a day



ESPRIT
AUTOMATION

The logo for Viper Esprit, featuring the word "VIPER" in a large, bold, italicized sans-serif font, with "ESPRIT" in a smaller, all-caps sans-serif font directly beneath it.

Heavy-Duty. Flexible. Reliable.

The Esprit Viper is a workhorse you can rely on to accomplish your most heavy-duty cuts, with outstanding precision. Since 2000, the Viper has upgraded the production capabilities of more than 200 businesses worldwide.

The reliability and flexibility of the Viper, which can carry up to 8 plasma or oxy-fuel cutting torches, make this machine the perfect solution for the most demanding applications.

True Hole™
Optimised Machine

First Year
of Manufacture

1999

The logo for Esprit Automation, featuring the word "ESPRIT" in a large, bold, all-caps sans-serif font, with "AUTOMATION" in a smaller, all-caps sans-serif font directly beneath it.



Having dealt with Esprit for 8 years now we have purchased 2 machines from them and found them to be extremely well built. The cut quality is excellent from the thinnest to the thickest plates. Their team are knowledgeable, helpful and dependable. They have helped us to grow and we would always recommend Esprit.



*John Ready,
General Manager, Eggleston Steel Ltd.*



Number of
machines built
200+

VIPER
ESPRIT

A Workhorse Ready for Action

No matter how big or heavy your plate, the Viper is your best partner in extreme working environments. Ready to work and manufacture your most demanding parts with an outstanding precision.

Taking Your Production Capabilities to the Next Level

With a Viper, your workshop production capabilities will significantly increase. The Viper can carry up to 8 plasma or oxy-fuel torches, boosting your productivity with the maximum flexibility across materials and thicknesses.

Always Available For You

The Viper can work 24 hours a day, even when performing in very demanding applications; it's as simply and convenient as that. Since it was first launched, the reliability of the Viper has been remarkable: the first Viper was installed in 1999 and is still working in the field today!

ESPRIT
AUTOMATION

Conceived for Heavy Duty

Low profile rails ensure high stability and the independent cutting table prevents accidental knocks affecting performance. Every element of the Viper has been designed to withstand the most demanding applications while offering high precision and productivity.

Simple & Intuitive Controls

With an easy-to-use touch screen interface and powerful embedded capabilities, the Hypertherm EDGE Connect CNC offers advanced features to make cutting quick and simple, without the need for extensive training.

Keeping You Protected

A unique, emergency stop rated perimeter safety system, as well as magnetic torch collision protection and protected main cables and hoses, make the Viper a safe and reliable plasma cutter.

Accuracy & Robustness

Precision gearboxes, direct rack and pinion drives, and a ball screw digital torch height control ensure that the Esprit Viper is precise and robust, providing excellent cutting quality.

*Oldest machine
in operation*
19 Years





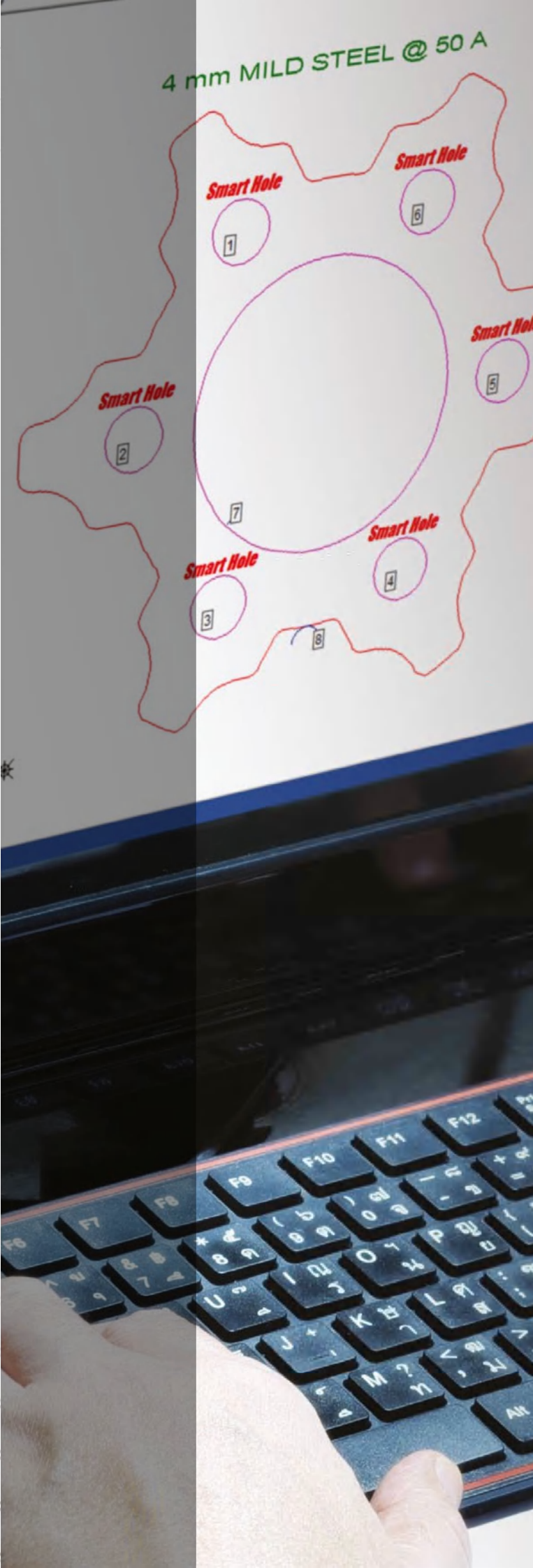
Versatile Cutting Processes

The Esprit Viper can be integrated with a variety of flexible cutting systems to suit your application and maximise your productivity.

The full range of high definition and conventional Hypertherm plasma systems are available for selection, including XPR, HyPerformance, LongLife Oxygen & Powermax. For extra versatility and cutting capacity, up to 8 oxy-fuel cutting torches can also be fitted.

Whatever your application – mild steel, stainless steel, galvanised steel or aluminium – a wide range of materials and thicknesses can be cut precisely and efficiently on the Viper.

Hypertherm®
SHAPING POSSIBILITY™



VIPER
ESPRIT

Procut CAD/CAM Software

Procut is an advanced nesting solution that has been designed in-house by Esprit to incorporate all our cutting knowledge and experience. For more than 25 years, Procut has been constantly upgraded and used worldwide by sheet metal processing companies. Procut enables users to create and cut parts quickly, easily, and reliably.

PROCUT

IRIS (Intelligent Real-time Information System)

Maximising uptime and minimising downtime is essential to our customers. Not satisfied with 'on-demand' remote access to diagnose problems after the event, Esprit set about developing a solution in-house. The result, IRIS – a system that monitors your Esprit cutting machine in real-time.

IRIS

ESPRIT
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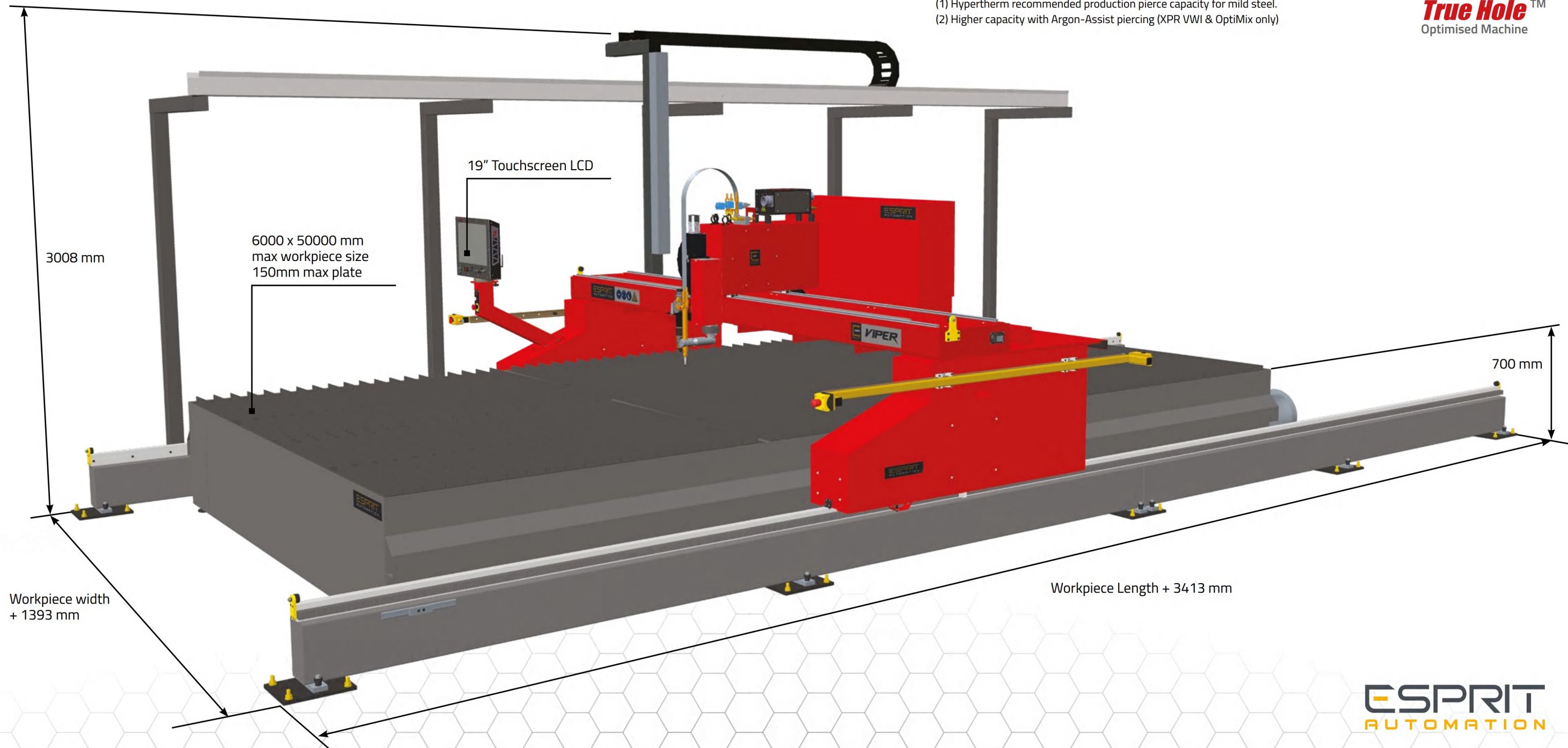
CNC Plasma Cutter

	Viper
Max. Traverse Speed	20 m/min
Input Voltage	415 V / 3 Ph / 50 Hz / Earth / Neutral
Input Current	6-9 A
Input Power	4.3-6.5 kVA

	HPR130XD	XPR170	HPR260XD	XPR300	HPR400XD
Output Current	130 A	170 A	260 A	300 A	400 A
Output Voltage	150 VDC	210 VDC	175 VDC	210 VDC	200 VDC
Cutting Capacity (1)	32 mm	35-40 mm (2)	38 mm	45-50 mm (2)	50 mm
Cutting Speed (12 mm MS)	2,200 mm/min	3,060 mm/min	3,850 mm	3,940 mm	4,430 mm/min
Input Voltage	400 V / 3 Ph / 50-60 Hz / Earth				
Input Current	32 A	59 A	75 A	103 A	131 A
Input Power	22.1 kVA	40.5 kVA	51.9 kVA	71.4 kVA	90.6 kVA
Process Gases	Air, Argon, Hydrogen, Nitrogen, Oxygen, F5 and H35				
ISO 9013 Cut Range	2-4				

(1) Hypertherm recommended production pierce capacity for mild steel.
(2) Higher capacity with Argon-Assist piercing (XPR VWI & OptiMix only)

True Hole™
Optimised Machine





 **Esprit Automation Ltd**
Plackett Mill, Church Drive, Sandiacre,
Nottingham, NG10 5EE, United Kingdom

 **+44 (0) 115 939 1888**

 **sales@espritautomation.com**

 **espritautomation.com**

 **Esprit Automation Ltd**

 **espritautomation**

 **@EspritPlasma**



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