



FORTIS

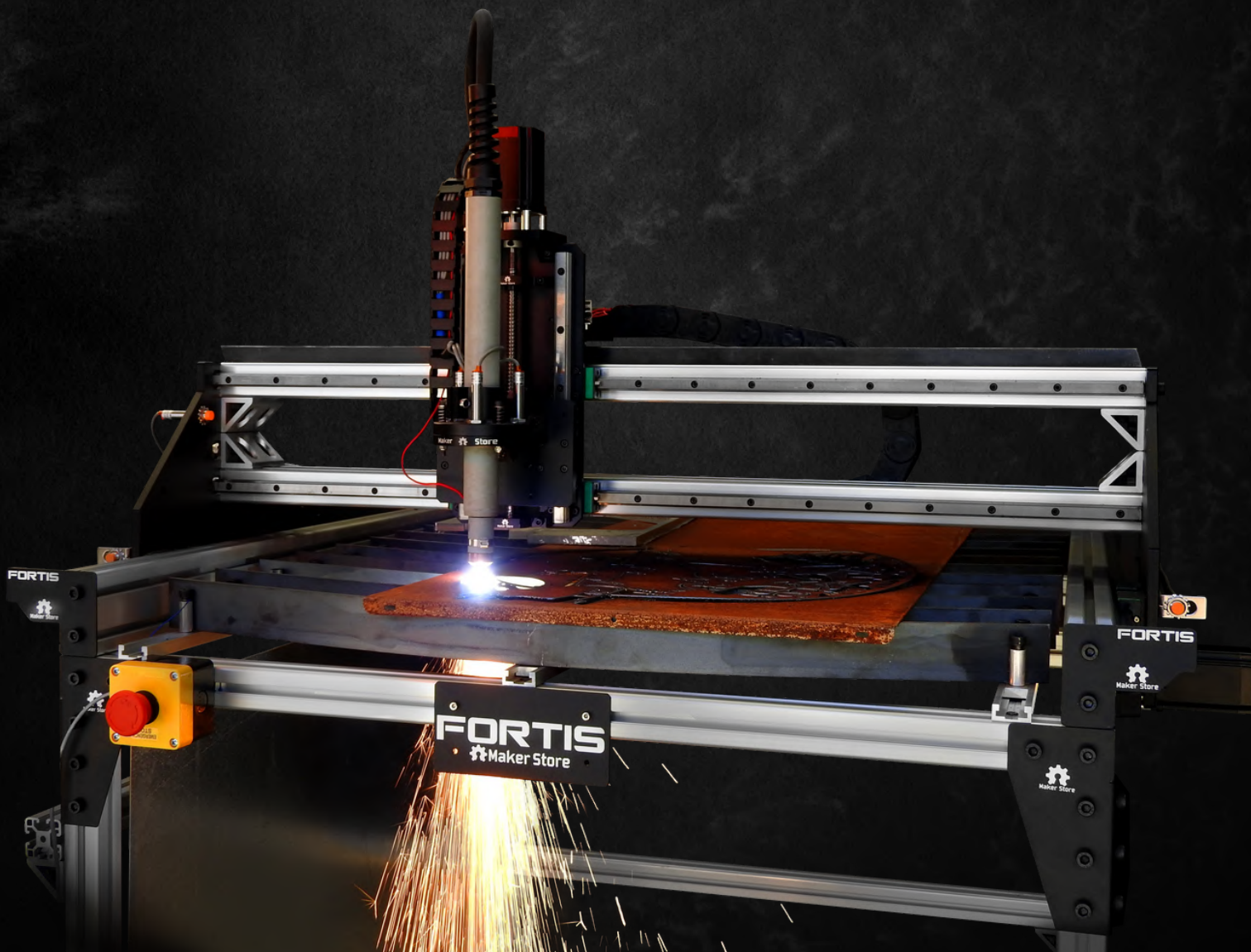
PLASMA CNC

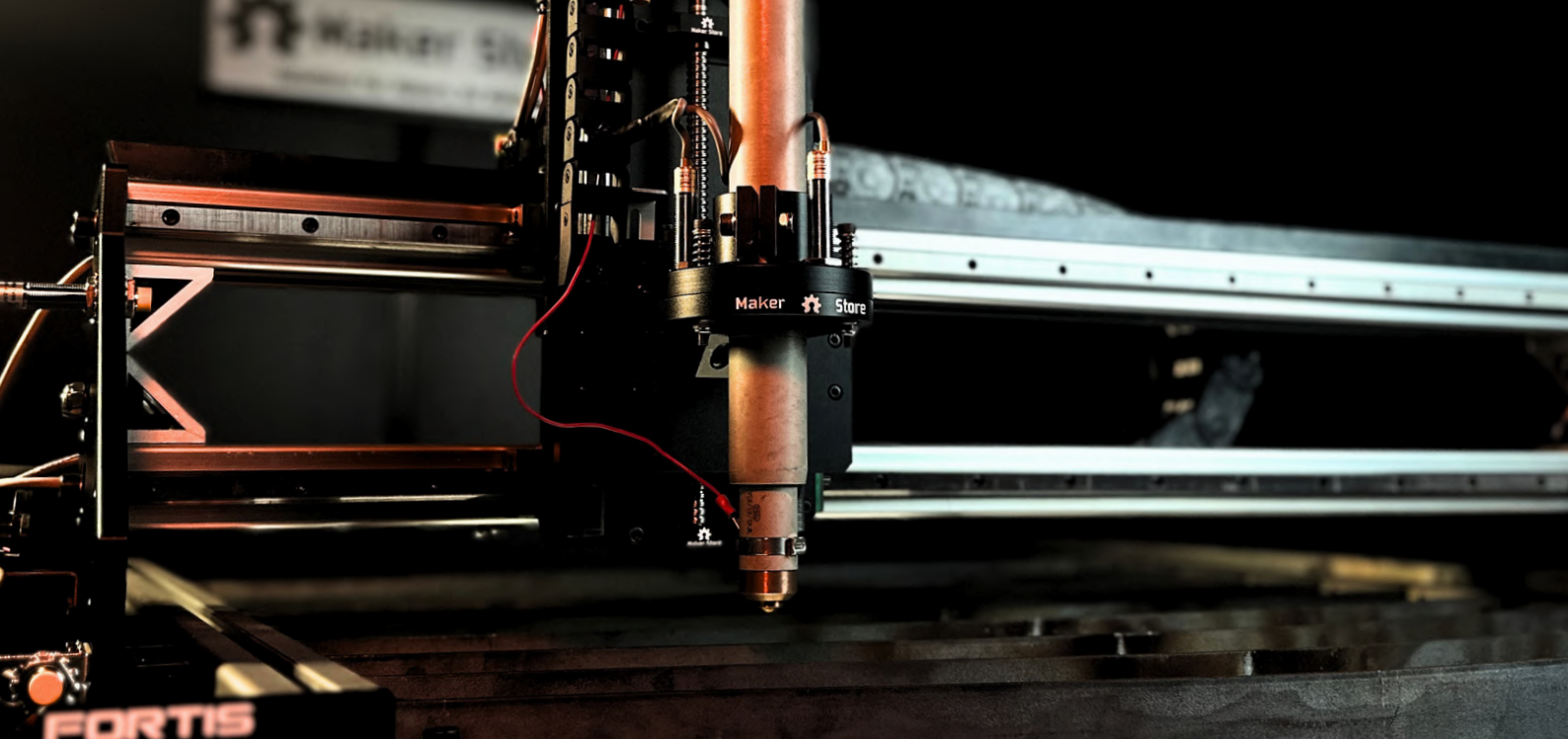
Unleash Precision. Ignite Possibilities.

FORTIS Plasma CNC combines groundbreaking technology with a rigid, lightweight and high-strength aluminium extrusion frame, ensuring precise and efficient cuts for every project.

Designed for adaptability, its helical gear racks paired with powerful NEMA23 3Nm stepper motors deliver rapid feed rates of 35,000mm/min and the flexibility to scale machine sizes to fit any operational need.

FORTIS Plasma CNC is a perfect fit for businesses looking to optimise fabrication processes, whether handling intricate designs or high-volume production.





Applications

Art & Decorations

FORTIS Plasma CNC excels in creating intricate metal art and custom signage, offering precise cuts for detailed designs.



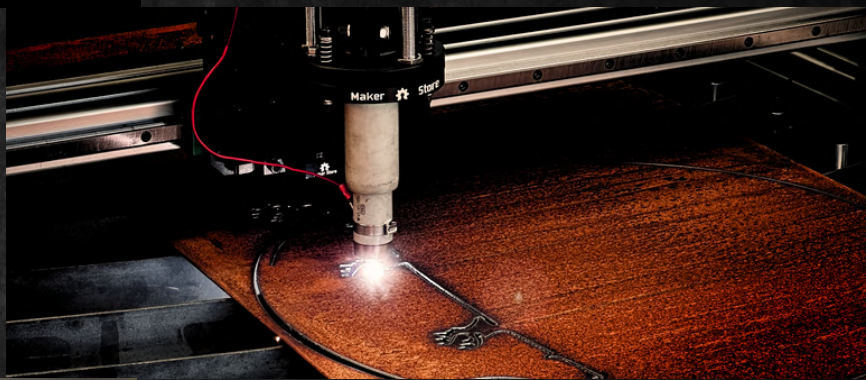
Rapid Prototyping

FORTIS Plasma CNC enables fast, accurate prototyping from 2D drawings, reducing development time and allowing quick design iterations.



Mass Production

With its reliable performance and precision, FORTIS Plasma CNC is perfect for mass production, FORTIS Plasma ensures high-quality results with every project!

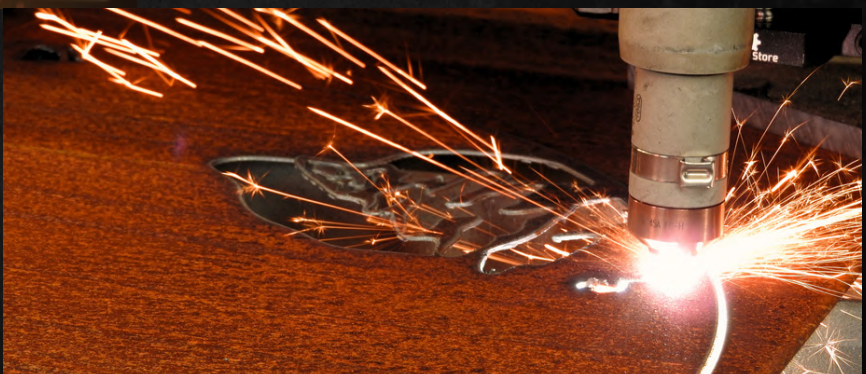


Automotive Manufacturing

Creating Automotive parts such as body panels, air intakes, and mounting plates has never been easier with FORTIS Plasma CNC

General Fabrication

Whether it's cutting a custom bracket or creating precise holes in existing products, FORTIS is here to save you time and money.



Features

Collision & Material Detection

The Collision and Material Detection System detects collisions between the plasma torch and workpiece, pausing operations to prevent damage. It also identifies the workpiece surface to enable plasma cutting for torches without an Ohmic Sensor



Helical Gear Rack & Pinion Transmission (X & Y Axes)

The Helical Rack and Pinion System provides high speed, smooth movement, and precise cutting. It also allows for machine size expansion.



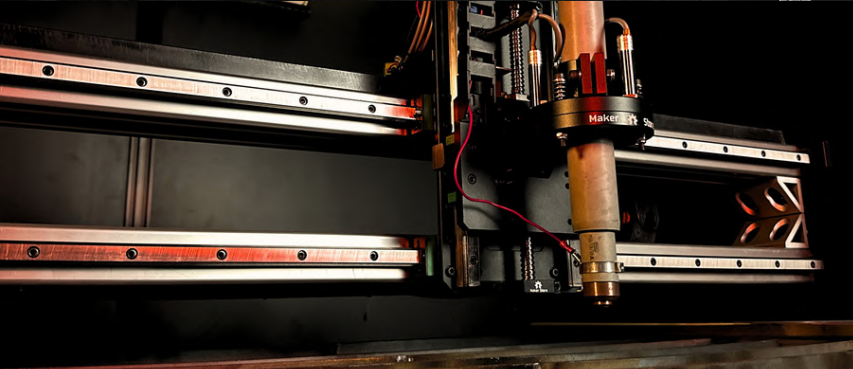
Ball Screw Transmission (Z-Axis)

The SFU1204 Ball Screw ensures precise Z-axis control while cutting the workpiece, maintaining torch height for accurate cuts.



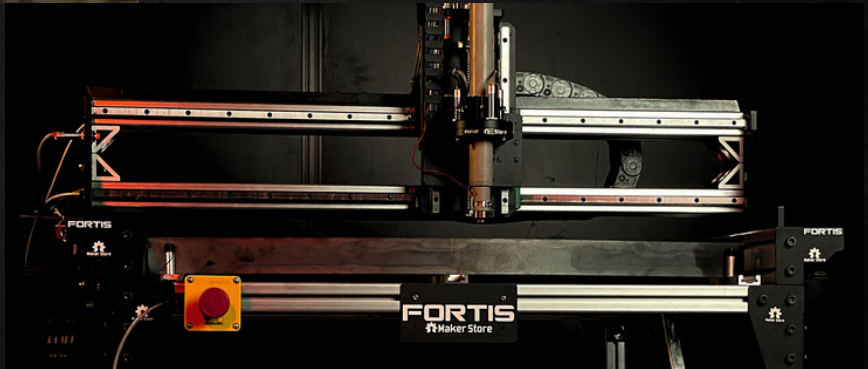
HGR 15 Linear Rails

The HGR15 linear rail system ensures precise, durable, and smooth motion, ideal for high-speed plasma CNC cutting with minimal maintenance.



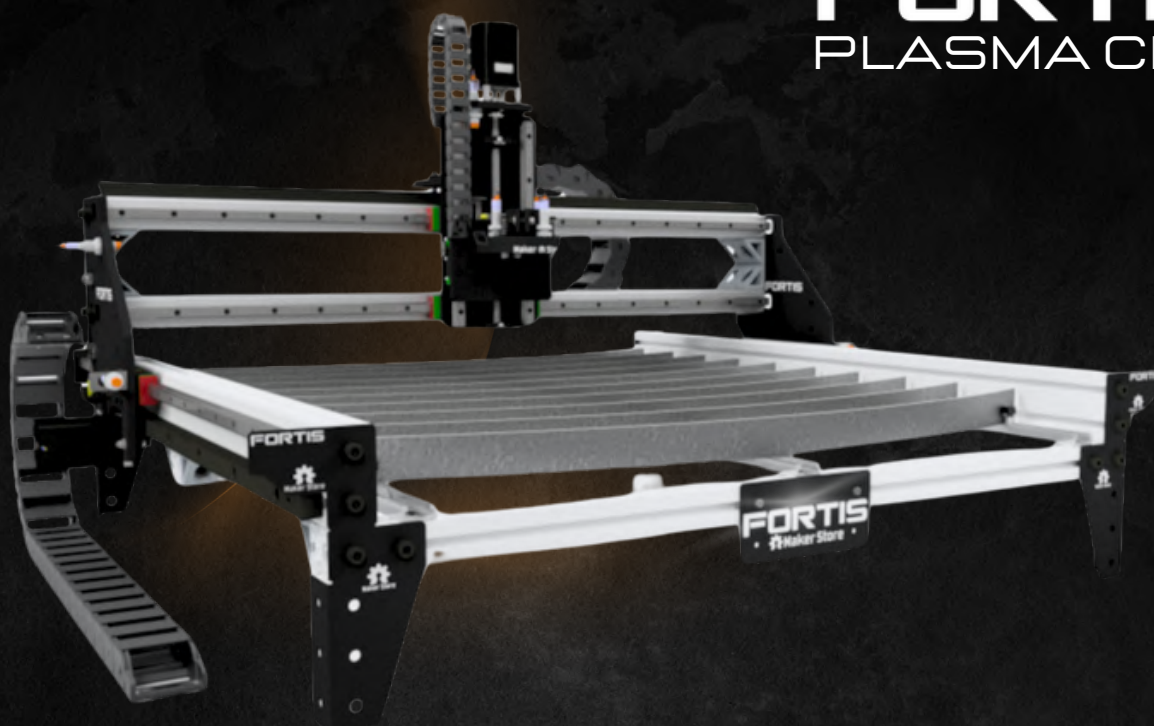
40 Series T-Slot Rigid Aluminium Frame

The T-Slot aluminium frame used in the FORTIS design ensures precision, durability, and easy customisation for demanding industrial, hobby, and commercial use.



FORTIS

PLASMA CNC



FORTIS Plasma CNC 1000 x 1000mm Kit

RRP
A\$4,913.84



Working Area	780mm x 840mm
Footprint	1197mm x 1020mm
Motors	NEMA23 High Torque - 3Nm
X/Y/Z Motion System	HGR15 Linear Rails
X/Y Transmission System	Helical Rack/Pinion Mod 1.0
Z Transmission System	SFU1204 Ball Screw

ADD-ONS

A\$369.90



**1000 x 1000mm
Machine Table**

**From
A\$2,699.00**



**EX-TRAFIRE Plasma
Cutter**

A\$49.95

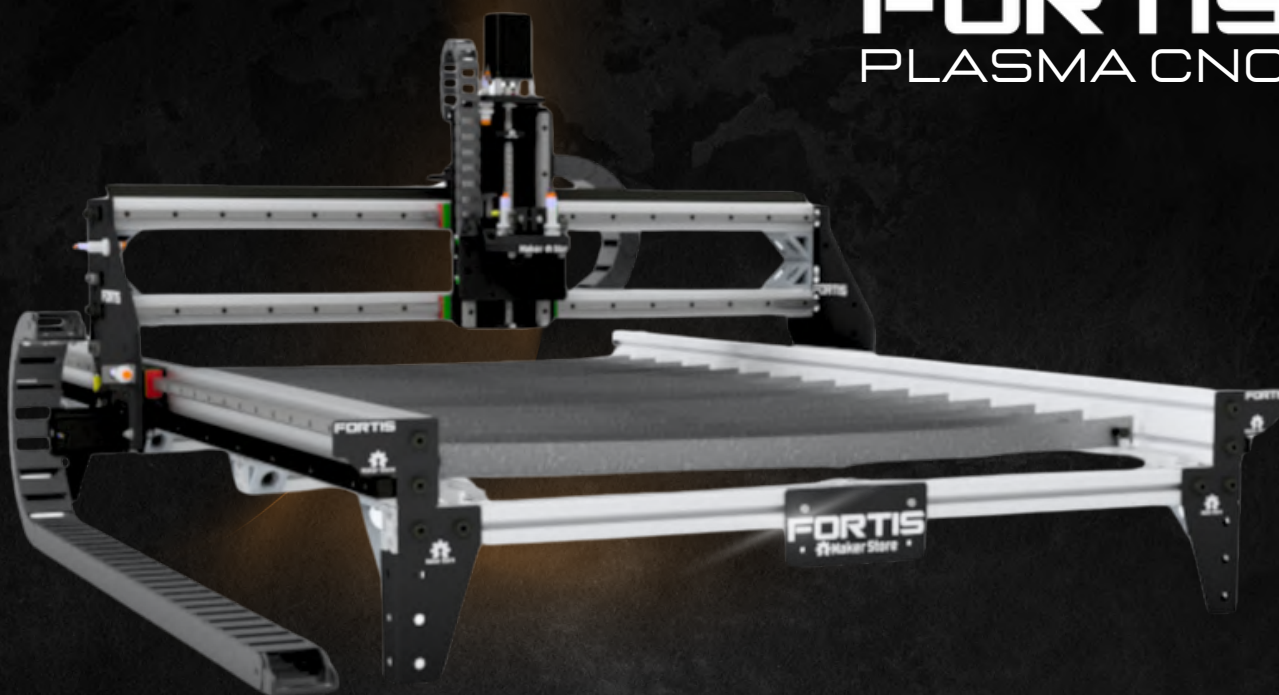


**EX-TRAFIRE
CNC Interface Plug**

All prices are inclusive of GST. E&OE.

FORTIS

PLASMA CNC



FORTIS Plasma CNC 1000 x 1500mm Kit

RRP
A\$5,387.76



Working Area	780mm x 1340mm
Footprint	1197mm x 1520mm
Motors	NEMA23 High Torque - 3Nm
X/Y/Z Motion System	HGR15 Linear Rails
X/Y Transmission System	Helical Rack/Pinion Mod 1.0
Z Transmission System	SFU1204 Ball Screw

ADD-ONS

A\$791.97



**1000 x 1500mm
Machine Table**

**From
A\$2,699.00**



**EX-TRAFIRE Plasma
Cutter**

A\$49.95

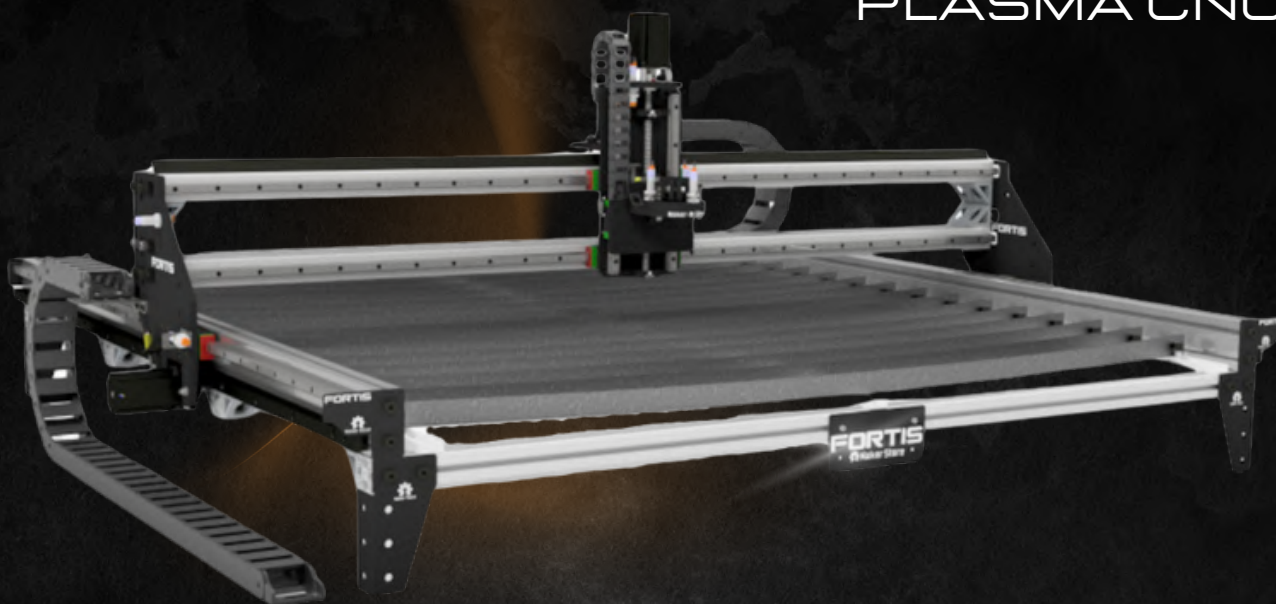


**EX-TRAFIRE
CNC Interface Plug**

All prices are inclusive of GST. E&OE.

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PLASMA CNC



FORTIS Plasma CNC 1500 x 1500mm Kit

RRP
A\$5,695.38



Working Area	1280mm x 1340mm
Footprint	1697mm x 1520mm
Motors	NEMA23 High Torque - 3Nm
X/Y/Z Motion System	HGR15 Linear Rails
X/Y Transmission System	Helical Rack/Pinion Mod 1.0
Z Transmission System	SFU1204 Ball Screw

ADD-ONS

A\$898.31



**1500 x 1500mm
Machine Table**

**From
A\$2,699.00**



**EX-TRAFIRE Plasma
Cutter**

A\$49.95

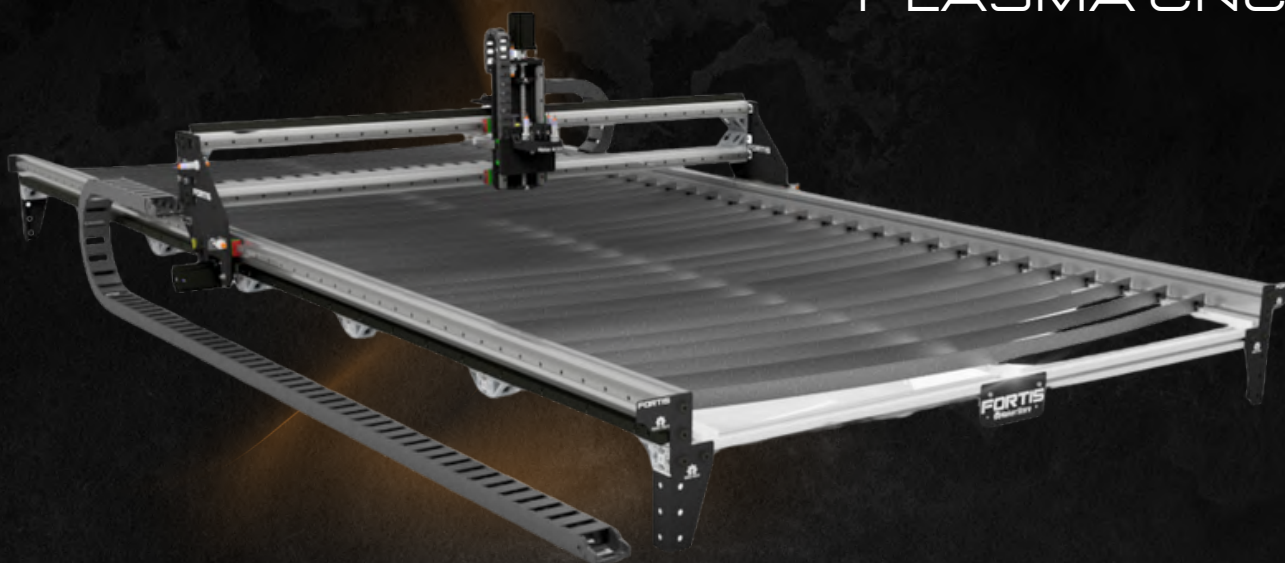


**EX-TRAFIRE
CNC Interface Plug**

All prices are inclusive of GST. E&OE.

FORTIS

PLASMA CNC



FORTIS Plasma CNC 1500 x 3000mm Kit

RRP
A\$7,444.46



Working Area	1280mm x 2910mm
Footprint	1697mm x 3070mm
Motors	NEMA23 High Torque - 3Nm
X/Y/Z Motion System	HGR15 Linear Rails
X/Y Transmission System	Helical Rack/Pinion Mod 1.0
Z Transmission System	SFU1204 Ball Screw

ADD-ONS

A\$1,321.12



**1500 x 3000mm
Machine Table**

From
A\$2,699.00



**EX-TRAFIRE Plasma
Cutter**

A\$49.95



**EX-TRAFIRE
CNC Interface Plug**

All prices are inclusive of GST. E&OE.

Recommended Plasma Cutters



EX-TRAFIRE® 40SD

A\$2,699.00

The Thermacut EX-TRAFIRE 40SD Plasma Cutter is engineered for precision, reliability, and ease of use, making it the perfect choice for your Plasma CNC cutting applications.

Max Output	40 A
Max Cutting Capacity*	20 mm
Input voltage	1-Phase 240 VAC $\pm$ 15 %
Required Air flow [lpm/bar]	120/4.5
Duty Cycle	60% at 40 A

EX-TRAFIRE® 75SD

A\$3,495.00

Whether you're cutting thin or thick metals, the 75SD delivers consistent performance every time.

Max Output	75 A
Max Cutting Capacity*	35 mm
Input voltage	3-Phase 400 VAC $\pm$ 15 %
Required Air flow [lpm/bar]	110/5.2
Duty Cycle	100% at 75 A



EX-TRAFIRE® 100SD

A\$4,400.00

With an impressive 100A output, the 100SD can handle a wide variety of materials with clean, quick, and accurate cuts.

Max Output	100 A
Max Cutting Capacity*	50 mm
Input voltage	3-Phase 400 VAC $\pm$ 15 %
Required Air flow [lpm/bar]	135/5.2
Duty Cycle	100% at 80 A



*values for low alloy steel, e. g. MS S235JR

Why choose Maker Store?

Maker Store is not just another supplier of CNC machines and tools; it's a hub of innovation, driven by a passion for empowering creators. With a team of experts who have spent years mastering the intricacies of CNC technology, Maker Store has earned a reputation for delivering cutting-edge solutions that push the boundaries of what's possible.

Warranty

Apart from ensuring you get the best quality products, all our products are also backed by our 12-month comprehensive warranty.

Lifetime Aussie Technical Support

Our Lifetime Assistance ensures you have ongoing support for your CNC machine long after your purchase.

Full Assembly Service (Optional Service)

Our full assembly service provides customers with a ready-to-use CNC machine, eliminating the need for complex and time-consuming assembly.



Order your FORTIS



FORTIS Plasma CNC is more than just a machine; it's a promise of precision, reliability, and innovation. Whether you're a seasoned professional or an ambitious hobbyist, FORTIS empowers you to create, cut, and craft with confidence!

Don't wait to elevate your cutting projects.

*All pre-orders are expected to be dispatched in February 2025



MakerStore.com.au