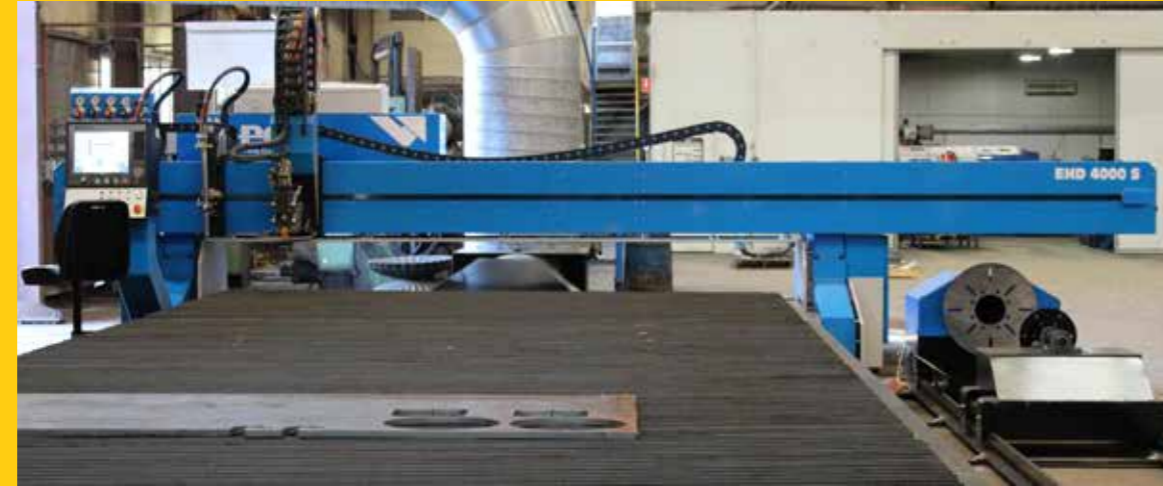


OPERATING BEYOND THE CALL OF DUTY



The PCS EHD SERIES



The EHD series platform is a robust gantry CNC profile machine.

The series was developed to be upgraded and retrofitted throughout the life of the machine as new technologies emerge and are developed by PCS. Multiple Plasma system and Gas(Oxy) cutting combined with Drilling, Tapping and Marking.

The EHD series is totally configurable to suit your workshop requirements. Any Width and Length combination with the technologies that PCS has and will develop.

Options including-

Controller: Controller and HMI interface options can be dependent on technologies required, these can be Lincoln Burny 10 LCD Plus or Version 8 and Hypertherm Edge Pro and Edge Connect series.

Plasma Cutting: Any plasma cutting system offered by both Lincoln and Hypertherm (including the XPR300).

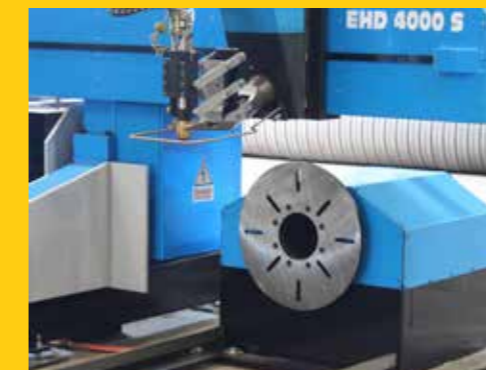
Gas (Oxy) Cutting: Single to Multiple torches, both standard manual setup to Fully automatic TurboGas torches. PEP (Plate Edge Preparation) infinite rotation Triple torch Gas (Oxy) cutting head.

Drilling: BT-40, 8 HP / 4 tool or BT-40, 14HP spindle with 20 Tool carousel and swing arm quick changer.

Marking: Inkjet (rotating and fixed), Powder Marking, Plasma Marking, Dot Peen, and Laser Marking units.

Grate cutting: Continuous Arc Plasma cutting of Welded grating.

This system developed by PCS allows for contour cutting of Mild or Stainless Steel welded grate with voltage sampling height control. Cutting with a continuous ARC on allows for long consumable life and faster process time, there is no stop motion to restart the plasma arc at each bar.



About Us

PCS has been manufacturing quality cutting machines for over 30 years having installations around the world.

Our industry knowledge keeps us at the forefront of developing new technologies and continually improving existing processes.

Our installations include plasma and oxy fuel machines, water jet machines, water jet / plasma combination machines, drilling and cutting machine combinations, with options including plasma bevel cutting, pipe cutting and bevelling, oxy bevel cutting and welded grate cutting.

Our machines are manufactured to the highest quality demanded by our customer base where accuracy, reliability and ease of use are paramount.

PCS machines are located in a variety of facilities including military and nuclear repair bases, earth-moving machine manufacturing, machining and steel plate service centres, bridge and structural cutting and many smaller manufacturing companies.

Our Mission

Our mission is to ensure the success and reliability of our customer's cutting and processing applications by providing comprehensive installation, training and service of extremely reliable, technologically advanced automated cutting solutions.

Service

PCS prides itself on after sales service that is second to none. With service locations in Cleveland OH and Melbourne Australia and contracted service in several locations to authorised, factory trained agents.

OPTIONAL CONTROLLERS



BURNY 10LCD PLUS BURNY Phantom II

PCS Version 8



Hypertherm EDGE Connect Hypertherm EDGE Pro

OPTIONAL PLASMAS



Lincoln Spirit II 400A Lincoln Spirit II 275A Hypertherm HPR800XD Hypertherm HPR400XD Hypertherm XPR300



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RESHAPING EFFICIENCY



The PCS BHB / MHB SERIES



PCS developed the BHB and MHB series machines to offer the industry the most robust drilling, tapping, counter boring machine platform available in today's market place. Machine Length and Width are to customer requirements.

PCS uses MQL (Minimum Quantity Lubrication) ThroughSpindle™ for tool lubrication combined with high pressure air for removal of swarf from the hole during drilling operations.

The MQL ThroughSpindle™ system saves Thousands of dollars per year over competitors who use flood coolant or coolant recovery systems.

The MQL ThroughSpindle™ system reduces the ROI of the PCS machine.

The MQL ThroughSpindle™ can be used on Wet or Dry cutting tables.

The BHB is the most robust platform to carry any combination of our available options (below). Combined with a 60 HP spindle and BT or CAT-50, 24 tool change carousel.

The MHB is robust (but slightly smaller) platform that can carry all the PCS options (below). Combined with a 30HP spindle and BT or CAT-40, 24 tool change carousel.

Options including-

Controller: Controller and HMI interface options can be dependent on technologies required, these can be Lincoln Burny 10 LCD Plus or Version 8 and Hypertherm Edge Pro and Edge Connect series.

Plasma Cutting: Any plasma cutting system offered by both Lincoln and Hypertherm (including the XPR300).

Gas (Oxy) Cutting: Single to Multiple torches, both standard manual setup to Fully automatic TurboGas torches.

PEP (Plate Edge Preparation) infinite rotation Triple Torch Gas (Oxy) cutting head.

Marking: Inkjet (rotating and fixed), Powder Marking, Plasma Marking, Dot Peen, and Laser Marking units.

Drilling: BHB 60HP spindle. 24 Tool carousel with swing arm changer, BT or CAT-50 configuration.

MHB 30HP spindle. 24 Tool carousel with swing arm changer, BT or CAT-40 configuration.

Grate cutting: Continuous Arc Plasma cutting of Welded grating.

This system developed by PCS allows for contour cutting of Mild or Stainless Steel welded grate with voltage sampling height control. Cutting with a continuous ARC on allows for long consumable life and faster process time, there is no stop motion to restart the plasma arc at each bar.

PCS PATENTED BEVEL HEAD

The PCS Zero offset bevelling head is a uniquely designed system minimising the problems found in competitor's cumbersome bevel designs.

Other rotary movement and cable drive bevel heads produce torch leads failures from mechanical issues causing the cables to rotate, twist and break.

The PCS bevel never needs to rotate leads allowing greater variety of achievable bevels such as Loop less corners and internal square bevels.

The benefits of the PCS patent protected bevel head also allow for easy removal of the Plasma torch and inserting a PCS TurboGas Gas (Oxy) cutting torch. This quick change over then allows for Automatic Height following on single Gas (Oxy) bevelling giving greater value to the PCS bevel head.



TURBO GAS

The TurboGas option is a FULLY AUTOMATED Gas (Oxy) cutting system.

NO specially trained machine operators required to use the TurboGas cutting system.

Plate thickness is selected by the part program or operator, the CNC controller does the rest.

From Torch Ignition, automatically setting each torch to same gas heat, rapid movement at 500ipm to pierce height, automated pierce sequence and automatic plate height following during cutting.

(without cumbersome rings for height control).

The TurboGas system produces exceptional cut quality on all thicknesses.

No tools required when changing cutting tips, the twist and click replacement method combined with automated gas setting saves valuable setup time.



CONTINUOUS ARC PLASMA GRATE CUTTING



Continuous Arc Plasma cutting of Welded grating.

This process developed by PCS allows for contour cutting of Mild or Stainless Steel welded grate with voltage sampling height control. Cutting with a continuous ARC on allows for long consumable life and faster process time, there is no stop motion to restart the plasma arc at each bar.