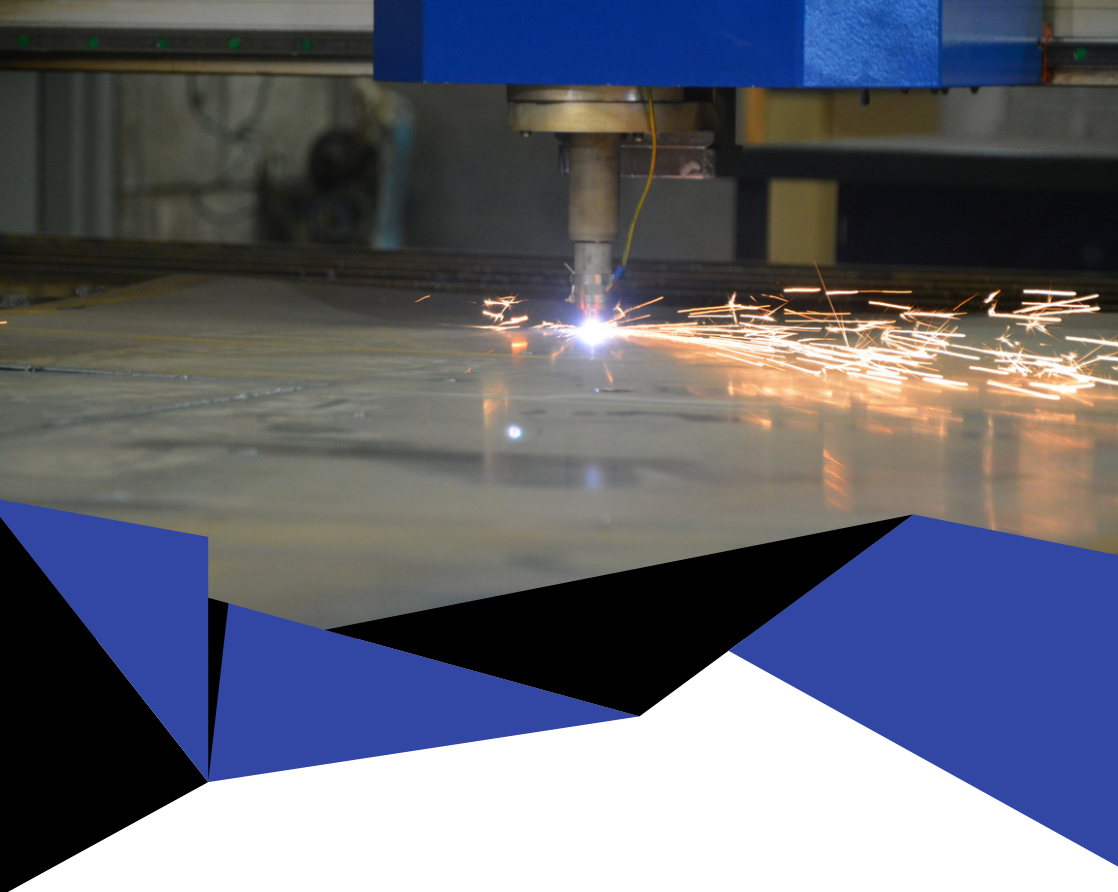




# BLUEMOTION®

**PLASMA  
PRODUCTS**



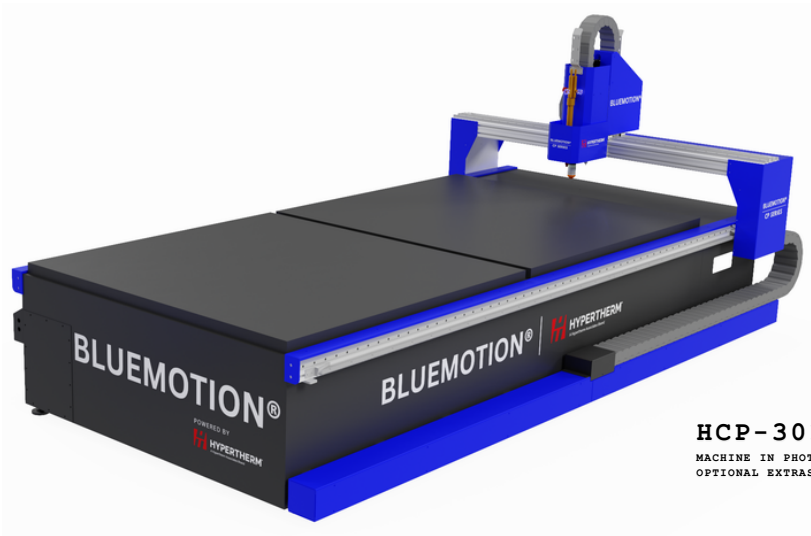
**HYPERTHERM®**

A Hypertherm Associates Brand

Authorized Partner

# HCP SERIES

## INDUSTRIAL PLATE - CNC PLASMA MACHINE



**HCP-3015**  
MACHINE IN PHOTO HAS  
OPTIONAL EXTRAS

|                         |                                             |  |
|-------------------------|---------------------------------------------|--|
| Applications / Features | Best suited for sheets less than 40mm thick |  |
|-------------------------|---------------------------------------------|--|

|                  |           |               |
|------------------|-----------|---------------|
| Bed Type Options | Water bed | Downdraft Bed |
|------------------|-----------|---------------|

| Feature              | Detail          |
|----------------------|-----------------|
| Linear Components    | Bosch Rexroth   |
| Travel Speed         | 30 m/min        |
| Positioning Accuracy | 0.1mm           |
| Controller           | Hypertherm Edge |
| TrueHole             | Yes             |

| Model    | Bed Size (mm) |
|----------|---------------|
| HCP-1313 | 1350 x 1350   |
| HCP-2513 | 2600 x 1350   |
| HCP-3015 | 3100 x 1600   |
| HCP-6015 | 6200 x 1600   |
| HCP-4020 | 4100 x 2100   |
| HCP-6020 | 6200 x 2100   |

**BLUEMOTION®**

# PLASMA OPTIONS



| Hypertherm Plasma | Pierce Capacity (Mild Steel) | Cutting Speed @ 16mm (Mild Steel) |
|-------------------|------------------------------|-----------------------------------|
| Powermax 45 SYNC  | 12mm                         | 500 (mm/min)                      |
| Powermax 85 SYNC  | 20mm                         | 840 (mm/min)                      |
| Powermax 105 SYNC | 22mm                         | 1090 (mm/min)                     |
| Powermax 125      | 25mm                         | 1260 (mm/min)                     |
| MAXPRO200         | 32mm                         | 2265 (mm/min)                     |
| XPR 170           | 40mm                         | 2017 (mm/min)                     |
| XPR 300           | 50mm                         | 3280 (mm/min)                     |

## EXTRA OPTIONS

| Item             | Detail                                |
|------------------|---------------------------------------|
| Laser Alignment  | Fast Sheet Setup                      |
| Scribe           | High Speed Plate Marker               |
| Oxy-Fuel Cutting | Propane / Acetylene Gas Cutting Torch |

# HCP SERIES

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## INDUSTRIAL PLATE - CNC PLASMA MACHINE



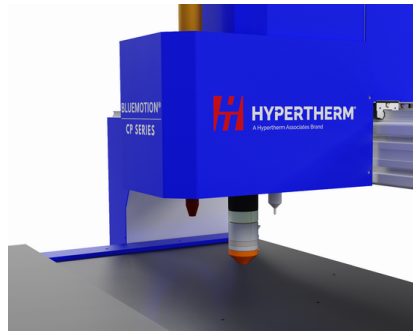
### ProNest Nesting Software

- Powerful, high-yield nesting reduces your material costs and increases profitability.
- Incredibly easy to learn and use, with intuitive screens, and a wide variety of helpful features.
- Specialized cutting techniques can reduce total cut time by up to 50%. (Automatic Nesting Module is optional)

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### Collision Detection Technology

- Bluemotion's collision detection technology is integrated into the plasma head.
- No manual reassembly required after collision.
- Torch maintains zero position after collision (to within 0.1mm).

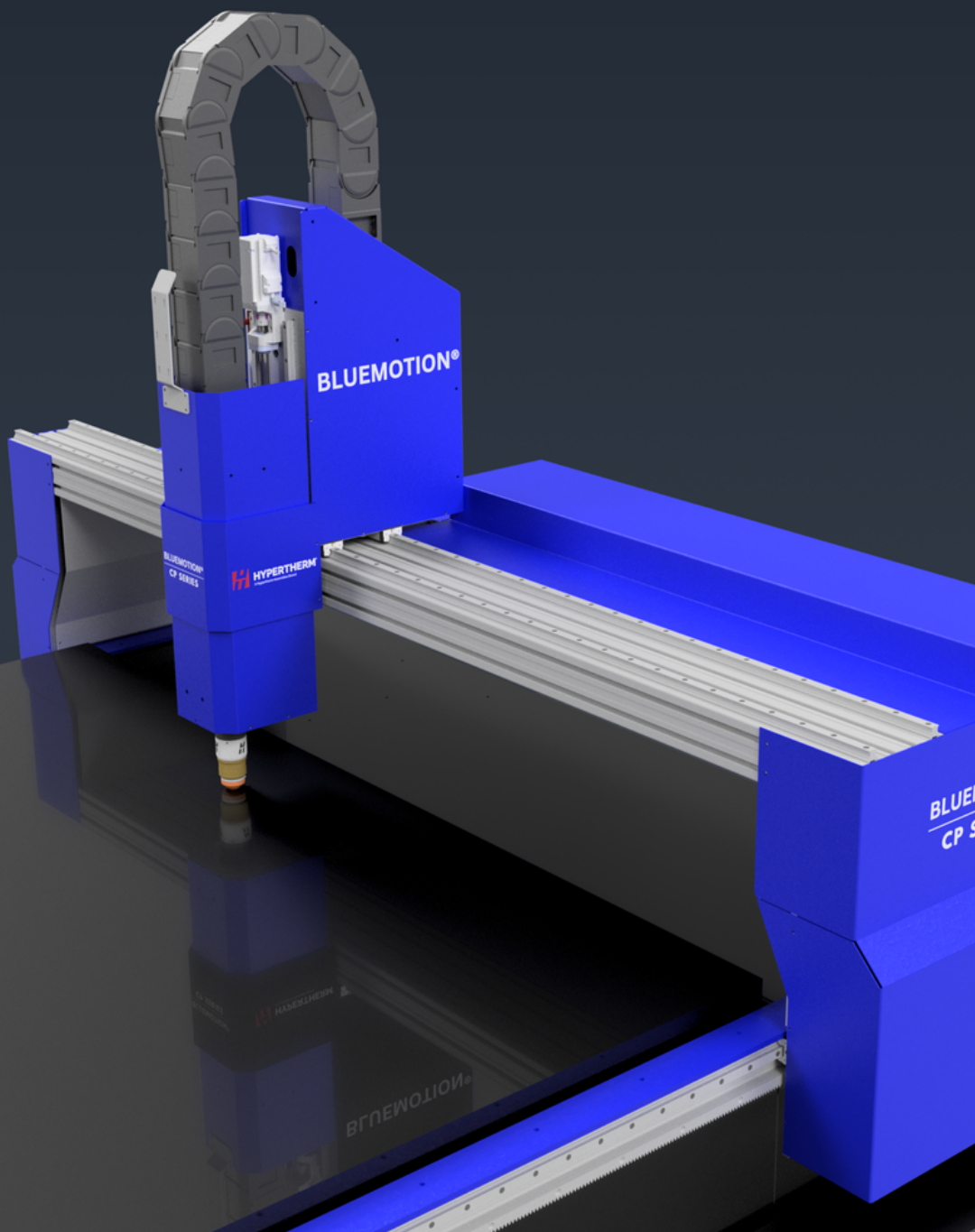


### Automatic Height Control

- Automatically adjusts head to workpiece height.
- Easy to use on workpieces with uneven surfaces.
- Ensures consistent cut quality along workpiece.

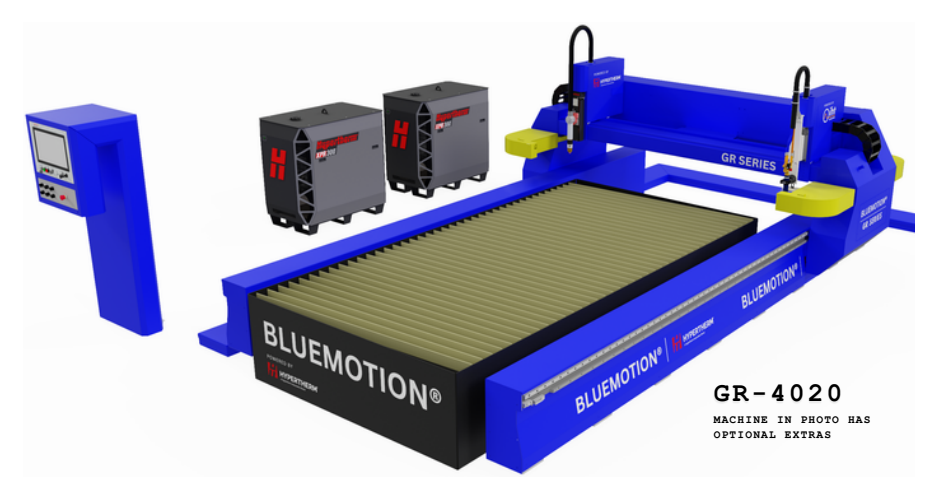
# PHOTOS

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# GR SERIES

## HEAVY INDUSTRIAL - CNC PLASMA MACHINE



**GR-4020**

MACHINE IN PHOTO HAS  
OPTIONAL EXTRAS

|                         |                                                    |  |
|-------------------------|----------------------------------------------------|--|
| Applications / Features | Heavy Industrial Cutting   High Definition Cutting |  |
|-------------------------|----------------------------------------------------|--|

|                  |           |               |
|------------------|-----------|---------------|
| Bed Type Options | Water bed | Downdraft Bed |
|------------------|-----------|---------------|

| Feature                   | Detail         |
|---------------------------|----------------|
| Linear Components         | Bosch Rexroth  |
| Controller                | Hypertherm     |
| Positioning Accuracy      | 0.01mm         |
| Plate Marking             | Yes (standard) |
| Collision Detection Torch | Yes            |
| Truehole                  | Yes            |
| Z Clearance               | 360mm          |

| Model    | Bed Size (mm) |
|----------|---------------|
| GR-4020  | 4120 x 2100   |
| GR-6020  | 6180 x 2100   |
| GR-8020  | 8240 x 2100   |
| GR-16020 | 16480 x 2100  |
| GR-6030  | 6180 x 3100   |
| GR-8030  | 8240 x 3100   |
| GR-16030 | 16480 x 3100  |

\*Custom sizes can be produced upon request.

# PLASMA OPTIONS

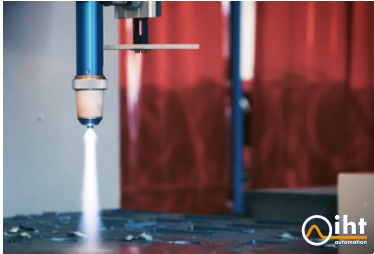


| Hypertherm Plasma | Pierce Capacity (Mild Steel) | Cutting Speed @ 16mm (Mild Steel) |
|-------------------|------------------------------|-----------------------------------|
| MAXPRO200         | 32mm                         | 2265 (mm/min)                     |
| XPR 170           | 40mm                         | 2277 (mm/min)                     |
| XPR 300           | 50mm                         | 3440 (mm/min)                     |
| XPR 460           | 64mm                         | 4420 (mm/min)                     |

## EXTRA OPTIONS

| Item                     | Detail                                             |
|--------------------------|----------------------------------------------------|
| Additional Cutting Heads | Up to 10                                           |
| Oxy-Fuel Cutting         | Propane / Acetylene Gas Cutting - Up to 10 Torches |
| 3D Bevel Cutting         | True Bevel technology - Bevel angle < 50°          |
| Drilling Head            | Drill, Countersink, Tap                            |

# OXY-FUEL OPTIONS



## IHT Automation Autogen Cutting

- Automated gas control, flame ignition, height sensing, backfire detection and slag detection.
- Automated processes ensure maximum efficiency and a safe cutting environment.
- Lower cutting cost per meter than manual system.

| Features                                            | Manual System | Automated System |
|-----------------------------------------------------|---------------|------------------|
| Compatible with Multiple Fuel Gasses                | ✓             | ✓                |
| 3D Bevelling Capabilities                           | ✓             | ✓                |
| Automatic Flame Ignition                            | ✗             | ✓                |
| Automatic Height Sensing During Material Preheating | ✗             | ✓                |
| Integrated Automatic Height Control                 | ✗             | ✓                |
| Automatic Gas Control                               | ✗             | ✓                |
| Ignition Detection                                  | ✗             | ✓                |
| Backfire Detection                                  | ✗             | ✓                |
| Slag Detection                                      | ✗             | ✓                |



BLUEMOTION

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 **HYPERTHERM**  
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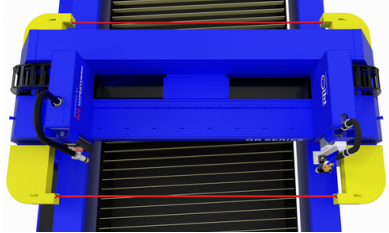


BLUEMOTION

POWERED BY  
HYPER THERM

# GR SERIES

## HEAVY INDUSTRIAL - CNC PLASMA MACHINE

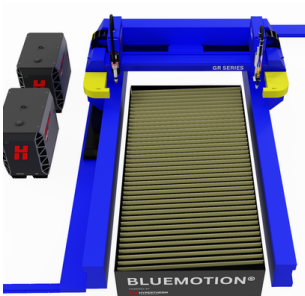
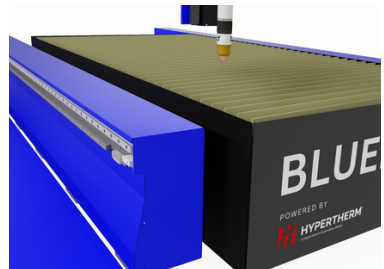


### Safety Ring System

- Increased safety during operation and sheet loading / unloading.
- Bluemotion's unique safety ring technology improves operator safety during use.
- 360° safety coverage around moving elements of machine.

### Covered Rail Design

- Protects rails from sheet contact, dust, sparks and slag.
- Increases longevity of rails and reduces maintenance requirements.
- Maintains machines accuracy and precision over long periods of time.



### Heavy Steel Bed

- Aerospace Precision Machined Frame
- Improves accuracy and precision.
- Improves dynamic performance.

# PT SERIES

PROFILE - CNC PLASMA MACHINE

## BLUEMOTION®

PT-7515



| Feature                   | Detail                                            |
|---------------------------|---------------------------------------------------|
| Profile Capacity          | 160mm x 160mm (Square),<br>160mm Diameter (Round) |
| Positioning Accuracy      | 0.1mm                                             |
| Plate Marking             | Yes (optional)                                    |
| Collision Detection Torch | Yes                                               |
| Torch Height Controller   | Yes                                               |
| Anti-Collision            | Yes                                               |

| Model   | Length* (mm) |
|---------|--------------|
| PT-3015 | 3000         |
| PT-7515 | 7500         |

\*Custom length can be produced upon request.

| Applications / Features | Automated tube coping and profiling |
|-------------------------|-------------------------------------|
|-------------------------|-------------------------------------|

# PLASMA OPTIONS



| Hypertherm Plasma | Pierce Capacity (Mild Steel) | Cutting Speed @ 16mm (Mild Steel) |
|-------------------|------------------------------|-----------------------------------|
| Powermax 45 SYNC  | 12mm                         | 325 (mm/min)                      |
| Powermax 65 SYNC  | 16mm                         | 560 (mm/min)                      |
| Powermax 85 SYNC  | 20mm                         | 840 (mm/min)                      |
| Powermax 105 SYNC | 22mm                         | 1090 (mm/min)                     |

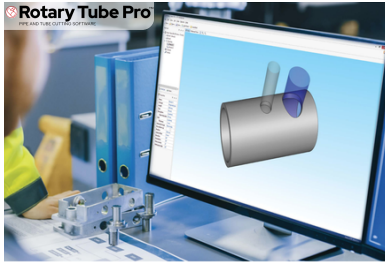
# EXTRA OPTIONS

| Item             | Detail                                       |
|------------------|----------------------------------------------|
| Automatic Chucks | CNC Controlled Chucks                        |
| Water Cooling    | Through Tube Cooling                         |
| Unload Assist    | Automated Material Support for longer pieces |
| Load Assist      | Automated Loading System                     |

# PT SERIES

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## PROFILE - CNC PLASMA MACHINE



### Rotary Tube Pro Nesting Software

- Powerful, high-yield nesting reduces your material costs and increases profitability.
- Incredibly easy to learn and use, with intuitive screens, and a wide variety of helpful features.
- Specialized cutting techniques can reduce total cut time by up to 50%.

---

### Collision Detection Technology

- Bluemotion's collision detection technology is integrated into the plasma head.
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- Torch maintains zero position after collision (to within 0.1mm).



### Automatic Height Control

- Automatically adjusts head to workpiece height.
- Easy to use on workpieces with uneven surfaces.
- Ensures consistent cut quality along workpiece.

# PHOTOS

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