

# INDUSTRIAL CUTTING. HEAVY-DUTY PERFORMANCE.

The plasma cutting systems in the **EX-TRAFIRE® HD** range are the absolute specialists in meeting tough demands in continuous operation. The mobile **EX-TRAFIRE® 105HD** plasma cutting system with 100% duty cycle is the perfect solution for demanding heavy duty applications in industry.



Heavy  
Fabrication



Structural



Shipyards  
and Offshore



Automotive and  
Transportation



Steel Mills and Steel  
Service Center



## THINK FRESH. CUT ORANGE.

THERMACUT® comes up with fresh ideas for cutting technology. Benefit from innovative, reliable, powerful and highly efficient cutting solutions.



Discover the other plasma cutting systems within the **EX-TRAFIRE® HD** family and our wide range of cutting solutions at [www.ex-trafire.com](http://www.ex-trafire.com)

[WWW.THERMACUT.COM](http://WWW.THERMACUT.COM)  
[SALES@THERMACUT.CZ](mailto:SALES@THERMACUT.CZ)  
[SALES@THERMACUT.COM.AU](mailto:SALES@THERMACUT.COM.AU)

follow  
**#EXTRAFIRE**

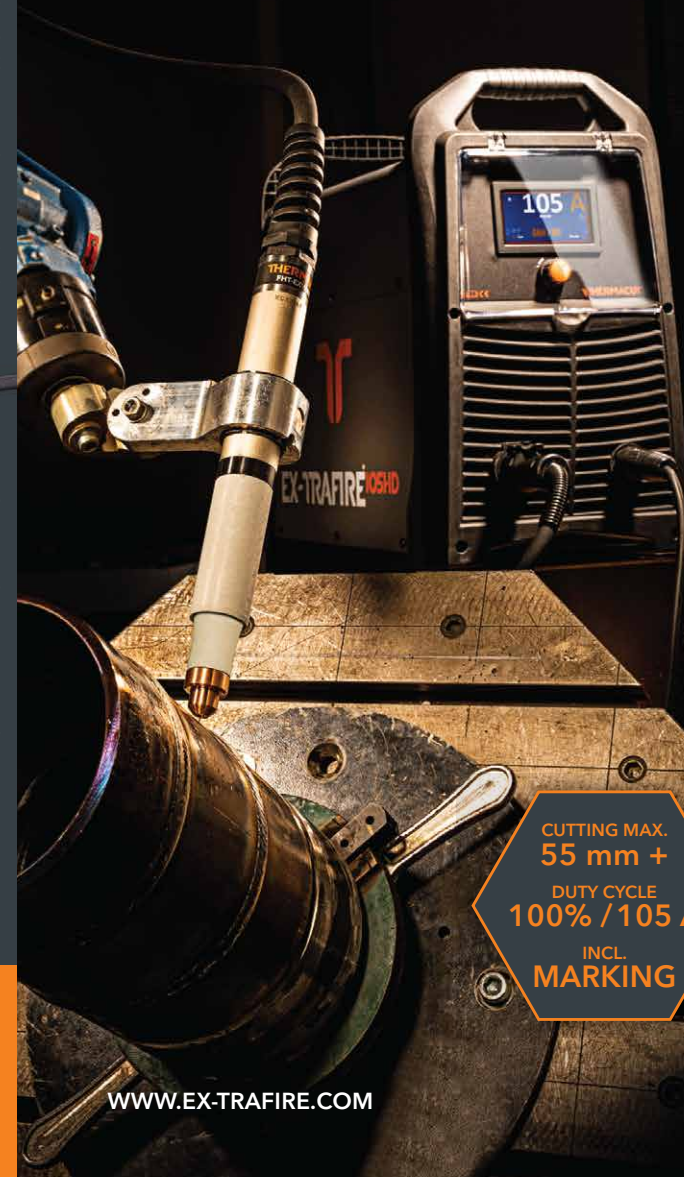


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**THERMACUT®**  
THE CUTTING COMPANY®

PLASMA CUTTING SYSTEM

## EX-TRAFIRE® 105HD



CUTTING MAX.  
55 mm +  
DUTY CYCLE  
100% / 105 A  
INCL.  
MARKING

[WWW.EX-TRAFIRE.COM](http://WWW.EX-TRAFIRE.COM)

HD105\_05-2022\_AU | Note: Specifications are subject to change without notice. Products may vary from those pictured. Copyright by THERMACUT®

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## EX-TRAFIRE® 105HD

### PLASMA CUTTING SYSTEM.

#### IMPRESSIVE PERFORMANCE



- + Extremely high cutting speed
- + Maximum cutting quality, even with long cuts
- + Also ideal for automated processes

#### HIGHEST FLEXIBILITY



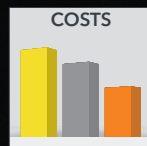
- + Plate thicknesses up to 55 mm and more
- + For mechanized and manual applications
- + Gouging with high removal rate
- + Suitable for worldwide use

#### SIMPLE OPERATION



- + Large 4" LCD color display
- + Clear control panel
- + Self-explanatory icons
- + TCS for quick torch replacement

#### OPTIMAL COST-EFFECTIVENESS



- + Low investment costs
- + 20% longer consumable lifetime
- + Low operating costs
- + 100% duty cycle for maximum productivity

#### NEW CUTTING TORCH FHT®EX105TT



- + Torch design award winner
- + Optimized ergonomics
- + Relaxed PE and PA cutting
- + 100% duty cycle

#### MARKING



- + Automatic gas identification (air, nitrogen, argon)
- + Integrated gas-saving function
- + Fine, deep or wide markings
- + Optional Smooth-Marking for applications below 20 A marking current

#### READY FOR INDUSTRY 4.0



- + Industry leading connectivity
- + CAN, tRS 485 and RS 422 interfaces (optional)
- + Easy monitoring
- + Expandable and updatable

#### AUTOMATIC SETTINGS



- + Cutting gas media, electricity and pilot current
- + Compensation for pressure drops
- + Fewer operating errors, better cutting quality

## EX-TRAFIRE® 105HD

### PLASMA CUTTING SYSTEM.



#### SPECIFICATION

Severance [mm]	55 <sup>+(1)</sup>
Recommended [mm]	38 <sup>(1)</sup>
Piercing [mm]	25 <sup>(1)</sup>
Gouging removal [kg/h]	9+

#### DUTY CYCLE (40 °C / 145 V)

100 %	@ 105 A
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#### OUTPUT (VDC)

Nominal [V]	180
Extra Boost [V]	235

#### INPUT

Voltage (VAC) [V/Hz]	3x415±15 % <sup>(2)</sup> 50/60
Compressed air flow [lpm@bar]	170/7
Compressed air flow [lpm@psi]	170/101
Pressure (max.) [bar/psi]	10/145

#### MACHINE DATA

Dimensions W×L×H [mm]	613 x 302 x 515
Weight [kg]	35

#### TORCH (HAND/MACHINE)

FHT EX105TT
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Designed to interface with a variety of CNC machines

(1) related to low-alloy steel (mild steel)

(2) suitable for generator use