

**THERMACUT®**  
THE CUTTING COMPANY®

PLASMA CUTTING SYSTEM

# EX-TRAFIRE® 45HD

CUTTING MAX.  
**25 mm +**

CUTTING CURRENT  
**10 - 45 A**

LIGHTWEIGHT  
**12.7 kg**

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

# 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® 45HD** plasma cutting system is the ideal solution for anyone looking for a robust, extremely high-performance and cost-effective starter model.



General  
Fabrication



Structural



Trade, DIY and  
Non-Industrial Use



Training and  
Education



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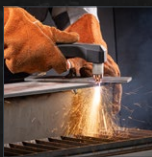


# EX-TRAFIRE® 45HD

## PLASMA CUTTING SYSTEM

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### IMPRESSIVE PERFORMANCE



- + Extremely high cutting speed
- + Maximum cutting quality
- + Also ideal for automated processes

### HIGH FLEXIBILITY



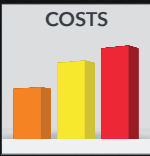
- + Plate thicknesses up to 25 mm and more
- + Automated, mechanized and manual
- + Suitable for worldwide use

### SIMPLE OPERATION



- + Industry-leading blue LCD display
- + Clear control panel
- + TCS for quick torch replacement

## OPTIMAL COST-EFFECTIVENESS



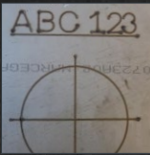
- + Low investment costs
- + 20% longer consumable lifetime
- + Low operating costs
- + Increased productivity

## PRECISE GOUGING



- + High removal rate
- + Precise removal
- + Easy weld joint refinishing

## MARKING



- + Automatic gas identification (air, nitrogen, argon)
- + Fine, deep or wide markings
- + Integrated gas-saving function

## READY FOR INDUSTRY 4.0



- + CAN Bus interface (optional)
- + RS 485 interface (optional)
- + Easy monitoring
- + Expandable and updatable to remain extremely future-proof

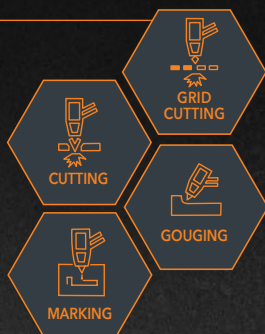
## AUTOMATIC SETTINGS



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

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### SPECIFICATION

Severance [mm]	25+ <sup>(1)</sup>
Recommended [mm]	12 <sup>(1)</sup>
Piercing [mm]	10 <sup>(1)</sup>
Cutting current [A]	10-45

### DUTY CYCLE (40 °C / 145 V)

100 %	@40 A
80 %	@45 A
100 %	@32 A <sup>(2)</sup>
50 %	@45 A <sup>(2)</sup>

### OUTPUT (VDC)

Nominal voltage [V]	145
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### INPUT

Voltage (VAC) [V/Hz]	3x400±15 % <sup>(3)</sup> 50/60
Voltage (VAC) [V/Hz]	230±15 % <sup>(3)</sup> 50/60
Voltage (VAC) [V/Hz]	120±15 % <sup>(3)</sup> 50/60 <sup>(4)</sup>
Compressed air flow [lpm/bar]	90/4.5
Pressure (max.) [bar/psi]	10/145

### MACHINE DATA

Dimensions W×L×H [mm]	177x469x228
Weight [kg]	12.7

### TORCH (HAND/MACHINE)

FHT-EX® 45TT
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Designed to interface with a variety of CNC machines

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

(2) @ U1 230 VAC

(3) suitable for generator use

(4) reduced output current 25 A @ 40 % duty cycle

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# 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)

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