

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

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



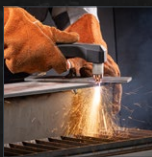
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EX-TRAFIRE® 45HD

PLASMA CUTTING SYSTEM

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



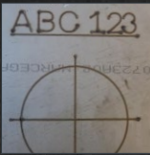
- + Low investment costs
- + 20% longer consumable lifetime
- + Low operating costs
- + Increased productivity

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

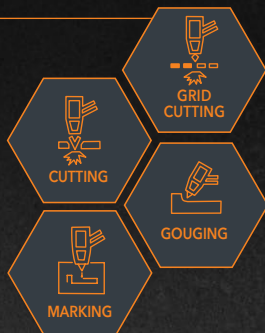
AUTOMATIC SETTINGS



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

EX-TRAFIRE® 45HD

PLASMA CUTTING SYSTEM



SPECIFICATION

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

DUTY CYCLE (40 °C / 145 V)

100 %	@40 A
80 %	@45 A
100 %	@32 A ⁽²⁾
50 %	@45 A ⁽²⁾

OUTPUT (VDC)

Nominal voltage [V]	145
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INPUT

Voltage (VAC) [V/Hz]	3x400±15 % ⁽³⁾ 50/60
Voltage (VAC) [V/Hz]	230±15 % ⁽³⁾ 50/60
Voltage (VAC) [V/Hz]	120±15 % ⁽³⁾ 50/60 ⁽⁴⁾
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

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

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