

PLASMA CUTTING SYSTEM

**EX-TRAFIRE® 100SD**

BUILT FOR POWER



CUTTING  
CURRENT  
**100 A**  
DUTY CYCLE  
**100% @ 80 A**  
CUTTING MAX.  
**50 mm +**

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® SD** family and our wide range of cutting solutions at [www.ex-trafire.com](http://www.ex-trafire.com).



SD100\_04-2020\_EN | Note: Specifications are subject to change without notice. Products may vary from those pictured. Copyright by Thermacut



# CUTS METAL. AND COSTS.

The particularly powerful EX-TRAFIRE® 100SD plasma cutting system offers businesses and operators a number of clear advantages!

## EXTRA PERFORMANCE



- + High cutting speed
- + Precise cuts
- + Industry leading duty cycle

## HIGHEST APPLICATION FLEXIBILITY



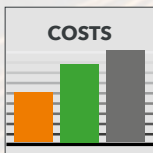
- + Plate thicknesses up to 50 mm +
- + Powerful and lightweight
- + TCS quick change flexible torch packages
- + Suitable for generator use

## SIMPLE OPERATION



- + Intuitive control
- + Exceptionally robust
- + Engineered for demanding professionals

## BEST COST-EFFECTIVENESS



- + Reduced capital outlay
- + Longer consumable lifetime
- + Considerably reduced costs of ownership

# EX-TRAFIRE® 100SD PLASMA CUTTING SYSTEM.



SPECIFICATION	
Severance [mm]	50+ <sup>(1)</sup>
Recommended [mm]	35 <sup>(1)</sup>
Piercing [mm]	20 <sup>(1)</sup>
Cutting current [A]	30-100
DUTY CYCLE (40°C / 170V)	
100%	@ 80A
50%	@ 100A
OUTPUT (VDC)	
Nominal voltage [V]	170
Extra boost [V]	220
INPUT	
Voltage (VAC) [V/Hz]	3x400±15% <sup>(2)</sup> 50/60
Compressed air flow [lpm/bar]	135/5.2
Pressure (max.) [bar/psi]	10/145
MACHINE DATA	
Dimensions W×L×H [mm]	265x560x400
Weight [kg]	24
TORCH (HAND/MACHINE)	
FHT-EX® 105 RTX	

Designed to interface with a variety of CNC machines

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

(2) suitable for generator use