

# CUT METAL. AND COSTS.

THE EX-TRAFIRE<sup>®</sup> SD  
PLASMA CUTTING SYSTEMS.





## THE CUTTING COMPANY.

**THERMACUT® is one of the world's leading specialists for reliable, high-performance and cost-effective plasma, oxy-fuel and laser cutting solutions.**

One of its main areas of expertise is optimizing original consumables, torches and cable leads to make them more durable, reliable and cost-effective. The company boasts a unique product portfolio in terms of both its width and depth.

It also focuses on innovative and particularly high-performance plasma cutting systems with an outstanding price-performance ratio, which set new standards in the market.

In its development and production activities, THERMACUT® makes the most of more than 30 years of experience as a reliable partner for high-quality consumables and powerful system solutions.

## CUTS METAL. AND COSTS.

**The mobile plasma cutting systems in the EX-TRAFIRE® SD range set new standards in terms of performance, flexibility, operation and cost-effectiveness.**

They can do so thanks to their completely newly developed device concept, in which all components have been optimized and perfectly coordinated.

The plasma cutting systems in the SD range are available in five different performance classes. They are suitable for use with hand and machine torches and for plate thicknesses of 50 mm and more.



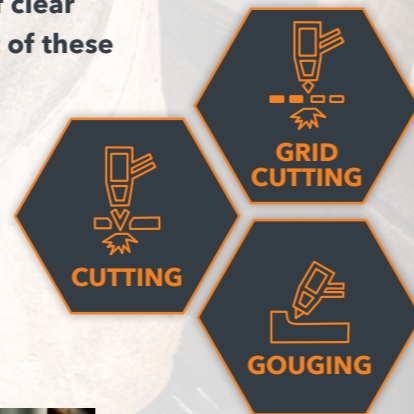
# AN OVERVIEW OF THE EX-TRAFIRE® SD RANGE.



The plasma cutting systems in the SD range offer a multitude of clear advantages for industrial and craft applications. Make the most of these benefits to optimize your cutting activities!

## EXTRA CUTTING PERFORMANCE

SD plasma cutting systems impress their users with their outstanding cutting performance in terms of speed, precision and duty cycle.



A wide variety of potential uses for all kinds of different applications

## SIMPLE OPERATION

With their simple and intuitive operation, the plasma cutting systems in the SD range guarantee optimal cutting results for all users.



A high cutting speed for industrial processes



A duty cycle of up to 100% at 75A (EX-TRAFIRE®75SD)



Maximum cutting quality in terms of surface finish, angularity and precision



Intuitive and simple setting of all important parameters



A robust design for industrial use



Ideal for beginners and demanding professionals



Clear and easy-to-read displays

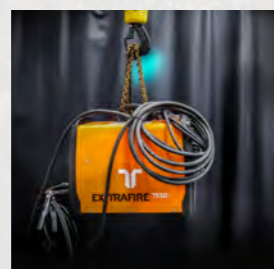
## HIGHEST APPLICATION FLEXIBILITY

The machines in the SD range meet all common requirements, from the demands of ambitious beginners through to craft applications and right through to industrial use.

A patented Torch Connection System (TCS) makes changing the torch a quick and easy process



Ideal for manual and mechanized applications



A high-performance and lightweight concept



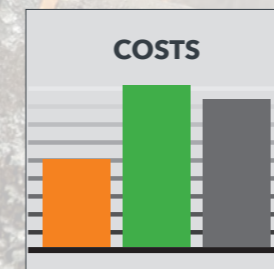
Highly flexible cable leads developed and manufactured in-house



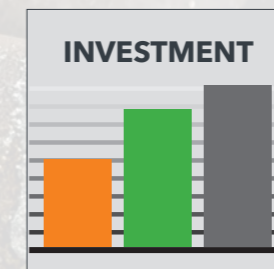
Also ideal for generator use

## OPTIMAL COST-EFFECTIVENESS

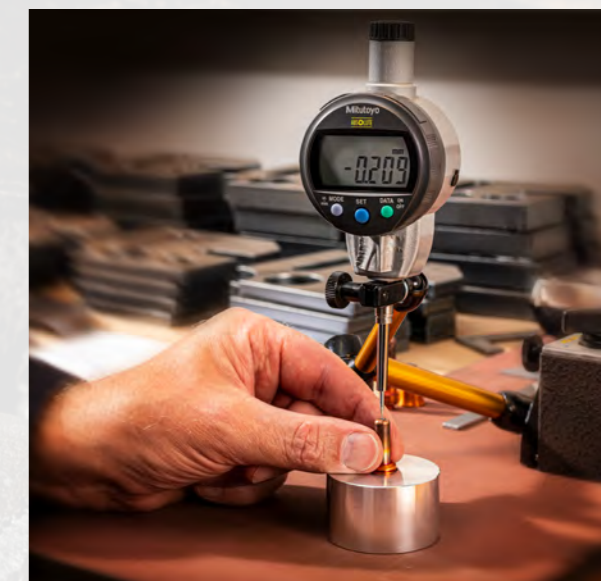
SD plasma cutting systems offer an impressive price-performance ratio and low running costs throughout their entire service life thanks to affordable and durable consumables.



Significantly lower overall costs compared to competitive products



A low investment for high performance



A long consumable lifetime

# TORCH AND CABLE LEADS.

Every system is only as good as its components. This is why EX-TRAFIRE® plasma cutting systems are equipped with top-quality torches and cable leads that are developed and manufactured in-house. These guarantee an extended consumable lifetime and make changing consumables a quick and easy process.



## FHT-EX® 105RTXH/M

FOR THE EX-TRAFIRE® 55SD, 75SD & 100SD

- + Extremely high-performance hand and machine torches
- + For cutting, gouging and grid-cutting
- + Ideal for meeting tough demands in continuous industrial operation
- + With a patented Torch Connection System (TCS) that makes changing the torch a quick and easy process
- + Ergonomic hand torches with highly flexible cable leads for safe and reliable holding and guiding in all positions



## FHT-EX® 45TTH/M

FOR THE EX-TRAFIRE® 45SD

- + High-performance hand and machine torches
- + For cutting, gouging and grid-cutting
- + Ideal for continuous operation
- + With a patented Torch Connection System (TCS) that makes changing the torch a quick and easy process
- + Ergonomic hand torches with highly flexible cable leads for safe and reliable holding, even in the case of a tight radius and when gouging fillet welds



## FHT-EX® 30H

FOR THE EX-TRAFIRE® 30H

- + A particularly cost-effective hand torch
- + Compact, lightweight and suitable for a wide range of mobile applications
- + Ergonomically shaped hand torches that reduce fatigue
- + Particularly flexible for working on areas that are difficult to reach
- + Optimal heat transfer thanks to a screw-on electrode

# EX-TRAFIRE® PLASMA CUTTING SYSTEMS.

The plasma cutting systems in the SD range offer a multitude of clear advantages for industrial and craft applications. Make the most of these benefits to optimize your cutting activities!



	EX-TRAFIRE® 30H	EX-TRAFIRE® 45SD	EX-TRAFIRE® 55SD	EX-TRAFIRE® 75SD	EX-TRAFIRE® 100SD
	PORTABLE AND POWERFUL	PROFESSIONAL AND VERSATILE	BEST IN CLASS	ENGINEERED FOR ENDURANCE	BUILT FOR POWER

	EX-TRAFIRE® 30H	EX-TRAFIRE® 45SD	EX-TRAFIRE® 55SD	EX-TRAFIRE® 75SD	EX-TRAFIRE® 100SD
Cutting	X	X	X	X	X
Grid Cutting	-	X	X	X	X
Gouging	-	X	X	X	X
Hand	X	X	X	X	X
Machine	-	X	X	X	X
CNC Interface	-	X	X	X	X

SPECIFICATION					
Severance [mm]	10+(1)	25+(1)	30+(1)	35+(1)	50+(1)
Recommended [mm]	8(1)	12(1)	20(1)	25(1)	35(1)
Piercing [mm]	8(1)	10(1)	20(1)	20(1)	20(1)
Cutting current [A]	10-30	10-45	30-55	30-75	30-100

MACHINE DATA					
Dimensions W×L×H [mm]	165x480x290	177x469x228	177x469x228	265x560x400	265x560x400
Weight [kg]	10,5	12,4	11,8	24	24

HAND-HELD TORCH					
	FHT-EX®30H	FHT-EX®45TTH/M	FHT-EX®105RTXH/M	FHT-EX®105RTXH/M	FHT-EX®105RTXH/M

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

FOR MORE INFORMATION, VISIT  
[WWW.EX-TRAFIRE.COM](http://WWW.EX-TRAFIRE.COM)  
 OR CONTACT US DIRECTLY!

# THINK FRESH. CUT ORANGE.

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



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

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