

## WELDING



## GRINDING



## CUTTING



## SAFETY



## POWER TOOLS



Be Smart Select Smart

# SmartCut Technologies



**Complete Solution for Welding & Cutting**

### DEALS IN :

Fiber Laser Cutting/Welding Machine, CNC Plasma & Flame Cutting Machine, Filler Wires, ARC/MIG/TIG/GAS Welding Equipments, Plasma Accessories, HSS/TCT Core Cutter, Safety PPE, Grinding Wheel & Abrassives, Power Tools, and much more.....

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## COMPANY PROFILE

We want to introduce as a genuine Manufacturer and Traders of Cutting Machine & Welding Machine since last many years by brand name "SMARTCUT" .

We are Providing Products like all kind of Fiber Laser Cutting Machine, Fiber Laser Welding Machine, CNC Plasma Cutting Machines , GAS Cutting Machine, Inverter Based Plasma Cutting Machine, Inverter based ARC / TIG / MIG Welding Machine, Gas Welding & Cutting Accessories, & Industrial Products etc.

We are one of the leading manufacturers of Transformer based ARC, TIG, MIG, PLASMA.  
Our machines are being supplied and appreciated by our customers located throughout india.

Our moto is to manufacture quality product at reasonable cost.  
Totally manufacturing & trading at **GHAZIABAD & AHMEDABAD.**

**"Our Purpose of Business is to Produce Happiness not to Pile up Millions."**

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## ➤ **SCT H-series Handheld Fiber Laser Welding Machine**



For welding thin stainless steel plates, iron plates, aluminum plates and other metal materials, it can perfectly replace traditional argon arc welding and electric welding processes. It has the characteristics of simple operation, beautiful welding seam, fast welding speed and no consumables. It can realize outdoor welding. The operation mode of hand-held welding gun can realize welding at any angle to the work piece. It is suitable for various complex welding seams and points of various devices weld.

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## Advantage Of Portable Fiber Laser Welding Machine? Why?

Previously fixed optical path way is replaced slowly by portable hand-held fiber laser machine .

- 1) its more flexible, convenient move and supporting long distance so that overcome the limitation of workbench space.
- 2) smaller area of heat effected caused by fiber laser welding without deformation looks very clean and beautiful.
- 3) welding depth is deep, melting enough so that welding capacity is strong and firm..overall, welding joint is smaller
- 4) supporting multi-method: spot welding/butt welding/overlapping welding/sealing welding/seam welding etc.

It could weld the workpiece of various complex welds and the irregular shape of large workpieces angles.

	<b>Traditional welding MIG/TIG</b>	<b>Handheld laser welding machine</b>
<b>Welding speed</b>	Common	4-8 faster
<b>Heat affected zone</b>	Large	Small
<b>Deformation</b>	Large	Small
<b>Bond strength with base material</b>	Common	Excellent
<b>Subsequent processing</b>	Polish	No or very little polish
<b>Consumables</b>	Any	little
<b>Operation difficulty</b>	Complicated	Simple
<b>Operator safety</b>	Not safe	Safe
<b>Impact on enviroment</b>	Pollutional	Enviromental Safe
<b>Adjustable spot width</b>	No	Yes
<b>Welding quality contrast</b>	Bad	Excellent
<b>Adjustable welding mode</b>	No	Six mode

### Fiber Welding capacity for Handheld Fiber Laser Welding Machine

<b>Material</b>	<b>Stainless Steel</b>	<b>Iron</b>	<b>Carbon Steel</b>	<b>Aluminum</b>	<b>Galanized sheet</b>
<b>1000W</b>	2mm	2mm	1.7-2mm	1.5mm	1.5mm
<b>1500W</b>	3mm	3mm	1.7-2.5mm	2mm	1.5-2mm
<b>2000W</b>	4mm	4mm	1.7-2.5 mm	2mm	1.5-3mm

## ➤ LASER SOURCES & CONSUMABLES

### RAYTOOLS FIBER LASER CUTTING HEADS & ITS CONSUMABLES



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