



WELDTRON

**THE WELDING &
CUTTING SOLUTIONS
EXPERTS**

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LEADING PLAYERS OF THE WELDING INDUSTRY

WE PROVIDE OUR CUSTOMERS WITH END-TO-END WELDING, CUTTING AND AUTOMATION SOLUTIONS. WELDTRON HAS PARTNERED WITH WORLD-LEADING BRANDS, BEING AT THE FOREFRONT OF WELDING AND CUTTING TECHNOLOGY.



OUR PARTNERS



OUR HISTORY



2002

Mr. Manoj Kumar founded **Weldtron** in 2002 to fill an industry gap of a technically skilled welding team. He started as the exclusive distributor for **SAF-FRO** in the United Arab Emirates market.

2004

In 2004 Mr. Manoj Kumar established **Weldtron International** in **JAFZA, Dubai, UAE** and **Mumbai, India** as an expansion initiative to meet his customers demands as his team were perceived as the Welding solution experts of the Market.

2017

In 2017, **Lincoln Electric**, the world leader in arc welding, robotic welding systems, plasma and oxyfuel cutting equipment and brazing and soldering alloys acquires **SAF-FRO** in 2017 and **Weldtron** became the authorized distributors for their wide brand and product range.

2021

In 2021 Mr. Manoj Kumar established **Weldtron Trading LLC** in **Dubai Investment Park, Dubai, UAE**, to focus on major growing industrial areas, to invest and introduce new products/services and to ensure that we respond to the market demands on time.

2025

We have several international brands as our partners, and we've achieved numerous milestones on our journey. We are proud of how far we have come and by 2025, our aim is to be the leading supplier in welding and cutting solutions in UAE and the major industrial capitals of this world.

WHY CHOOSE US?

WELDTRON KNOWS HOW TO IMPROVE YOUR PRODUCTIVITY AND QUALITY, THAT'S WHY WE ARE THE TRUSTED WELDING PROFESSIONALS IN THE REGION.



One-Stop Shop

Welding and Cutting is our niche! We make sure we provide our customers with a personal touch, and we are proud to offer our customers end to end solutions. Weldtron representing its core brands Lincoln Electric, SAF-FRO, HARRIS and ABB, offer a unique portfolio of welding, cutting and automation solutions.



After Sales Support

We are problem solvers! Enjoy your on-site warranty privileges when you purchase your machinery with us. Our strong sense of identification with client requirements means that we constantly strive to provide solutions, even for issues that our customers aren't aware of. To this end, we adopt a progressive approach to technology and customer service.



Skilled Labor

We Provide Advice, Analysis for Efficient Operation. Our long experience at the top of the welding and cutting business means we have expertise that reaches across several sectors and knowledge of how to improve your productivity and quality of job at the shop floor. That's why we are the trusted welding professionals in the region.



Automation Solution Provider

We are your welding & Cutting automation solutions expert, and we are committed to helping our client reach their goals. As every industry is different, Weldtron can tailor solutions to the particular requirements of your processes. We provide industry-specific products, systems and services that can significantly increase throughput compared to manual operations. Weldtron engineers aim to offer solutions with several advantages. These include increased productivity, consistent weld quality, predictable welding production rates, reduced variable welding costs and lower part costs.

PRINCIPLES OF MANAGEMENT

WELDTRON

We firmly believe that sound quality performance and technical knowledge is critical to ensure sustainable business in Welding & Cutting services. We operate in accordance with the requirements of **ISO 9001:2015**. We provide advice, analysis to maximize the efficiency of your equipment & operations to help save money for your business while improving the productivity and quality of your job.

WE PROVIDE VALUE FOR OUR CUSTOMERS BY:



TECHNICAL KNOWLEDGE



SERVICE



QUALITY



COMPETITIVE PRICES

VISION:

To be the most preferred 'Technical Welding Brand' for the growing economy of UAE through professional channel partners and stakeholders delivering quality and convenient purchasing experience through superior quality and price.

MISSION:

We seek to create and promote world class welding products, focusing on providing value and increased productivity for our customers. To be UAE's fastest growing 'Technical Welding Brand' that customers perceive for technical knowledge, quality and price.

VALUES:

Integrity
Understanding
Collaboration
Adapt
Deliver



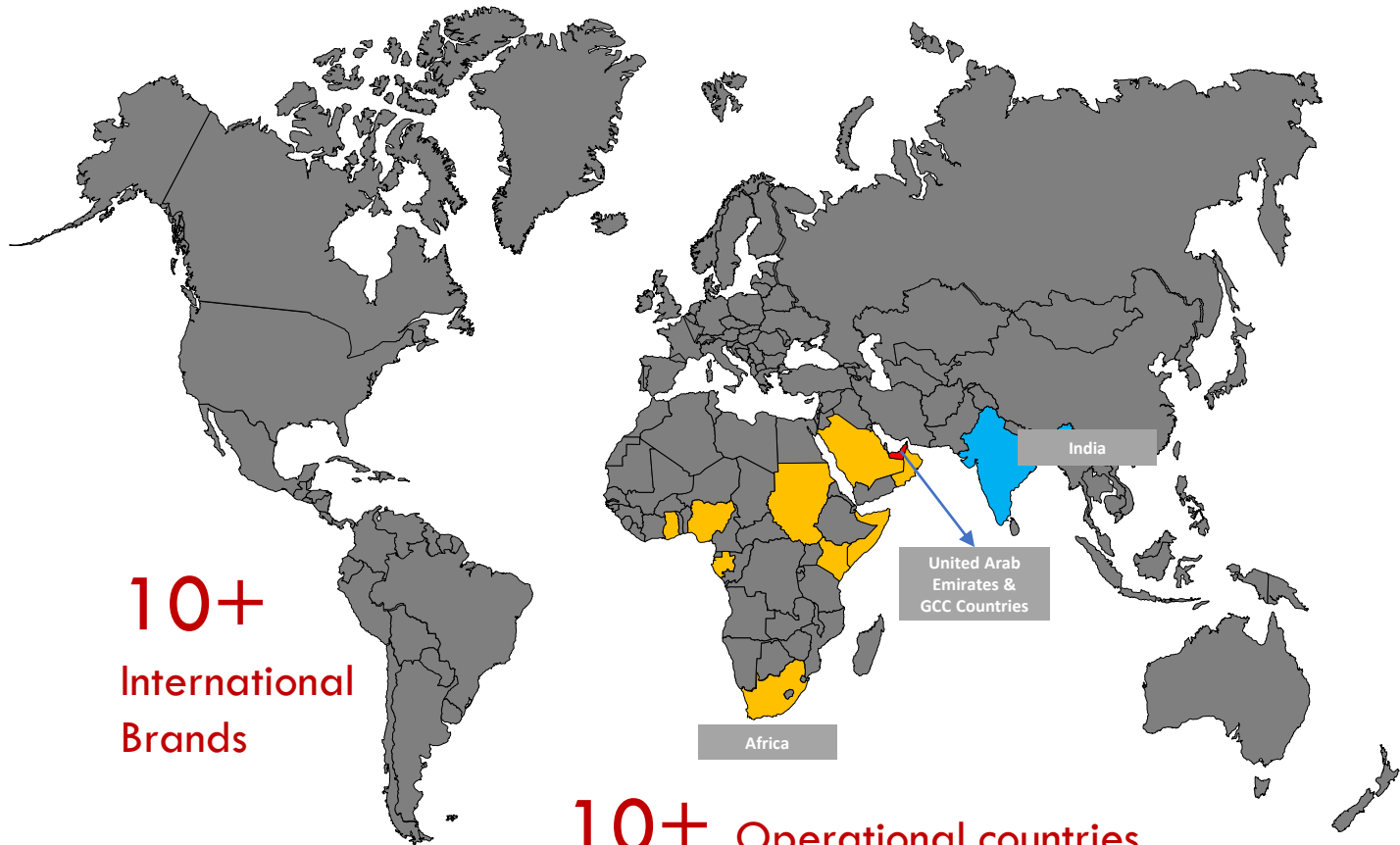
OUR GLOBAL FOOTPRINT

The most comprehensive range on the market

20+ Years of Experience

10+ International Brands

10+ Operational countries



- Global Headquarters
- Solution Centers
- Operational Countries

INDUSTRIES WE SERVE



OIL & GAS



WINDMILL AND
LAMPOST
SOLUTIONS



FABRICATION



AERONAUTICAL
COMPONENTS



SHIP BUILDING



PIPE MILLS



NUCLEAR
POWER PLANTS



KITCHEN
EQUIPMENT
SOLUTIONS



RAIL WELDING
SOLUTIONS

OUR SERVICES



- Welding Automation Installation
- Welding Equipment on-site repair
- Component level PCB repair



- Welding Machine Calibration
- Oven Calibration
- Regulator Calibration

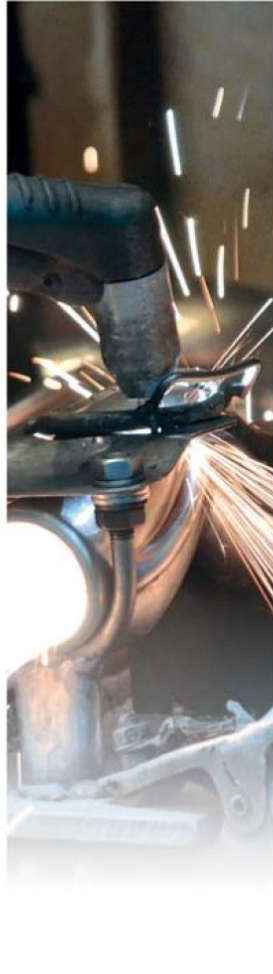


- Welding Process Management
- PQR Assistance





WELDTRON



**ONE-STOP SOLUTION PROVIDER FOR
YOUR WELDING AND CUTTING
REQUIREMENTS**

OUR PRODUCT RANGE



WELDING CONSUMABLES

- MMA coated electrodes
- MIG/MAG flux cored wires
- MIG/MAG solid wires
- SAW wire/flux combinations
- Cladding strip/flux combinations
- TIG and brazing filler metal

WELDING EQUIPMENT

- MMA welders
- TIG welders (DC & AC/DC)
- MIG/ MAG welding sets
- Manual plasma cutting equipment
- Multi process welders
- Submerged Arc Welding Head
- Weld Fume Extractor

AUTOMATION SOLUTIONS

- Rotators
- Positioners
- Column & Booms
- Plasma Cutting
- MIG/MAG welding carriages
- Welding Robots
- CNC plate cutting
- Submerged Arc Welding Tractor



GAS & CUTTING EQUIPMENT

- Regulators & Heaters
- Cutting and Welding Kits
- Heating Kits
- Cutting Torches
- Cutting Tips
- Flashback Arrestors
- Portable cutting systems



WELDING TOOLS & ACCESSORIES

- MIG/TIG/Gouging Torches
- Electrode Holder & Earth Clamps
- Baking Oven/Quivers
- Cable connectors
- Ceramic Backings
- Welding Cables
- Anti-Spatters
- Welding Curtains
- Personal Protection Equipment
- Coolants

WELDING EQUIPMENT RANGE BY WELDTRON

MMA Welding Machines

Shielded metal arc welding (SMAW) use stick electrodes to weld mild steel, low alloy, stainless steels, cast iron, and Hardfacing for repair, maintenance, and fabrication. Weld a wide range of materials and thicknesses in the shop or the field.



TIG Welding Machines DC & AC/DC

TIG welders for (GTAW) gas tungsten arc welding, offer AC and DC TIG welding on aluminum and other metals. Inverters are portable and ideal for critical applications, including maintenance, fabrication, motorsports, automotive, piping, and shipbuilding.



MIG/MAG Welding Machines

MIG welders for your wire welding applications for home, farm, auto body, maintenance or fabrication. Our MIG welders are optimized for flux-cored and CV processes for use with a variety of wire feeders.



Submerged Arc Welding Machines

We provide an extensive automation range offering productivity solutions across all industrial segments and allowing companies to adapt to the ever-changing needs of the market environments.



WELDING EQUIPMENT RANGE BY LINCOLN ELECTRIC

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MIG WELDING CARRIAGE

It integrates welding travelling, and swinging functions ;
 ARISA Precisely adjustable swing parameters and welding parameters, Free control of seam width;
 Automatic welding, freeing hands: the system automatically completes the welding process;

Small capacity, low gravity center, lightweight, portable.
 High magnetism magnet increases dependability of operating and draft load to assure the machine operates smoothly.
 The guide transfer switch can make it move toward right/left .
 Spacing switch increases the limited height of distance plate.



PRODUCT SPECIFICATIONS		
	EVA	ARISA
Power supply (V/Hz)	24V/3AH(storage battery)	
Driving method	4 wheel	
Taction power (kg)	25	32
Travel speed(mm/min)	35-930	
Tracking mode	Guide wheel	Guide wheel & Guide rail
Guide wheel height	3 options	--
Torch position adjustment	Horizontal angle 40°-55°	Torch Rotate On X-axis $\pm 45^\circ$
	--	Torch Rotate On Y-axis $\pm 30^\circ$
	Horizontal 40mm	Horizontal 20mm
	Vertical 40mm	Vertical 20mm
Weaving parameters	--	Weaving angle $0\pm 8^\circ$
		Weaving speed 0-40 time/min
		Edge delay time 0-2.5 Sec
Self-stop function	Yes	
Torch	Bend torch or straight torch	
Dimension (mm3)	280*295*265	314*195*242
Weight (Kg)	8.6	12

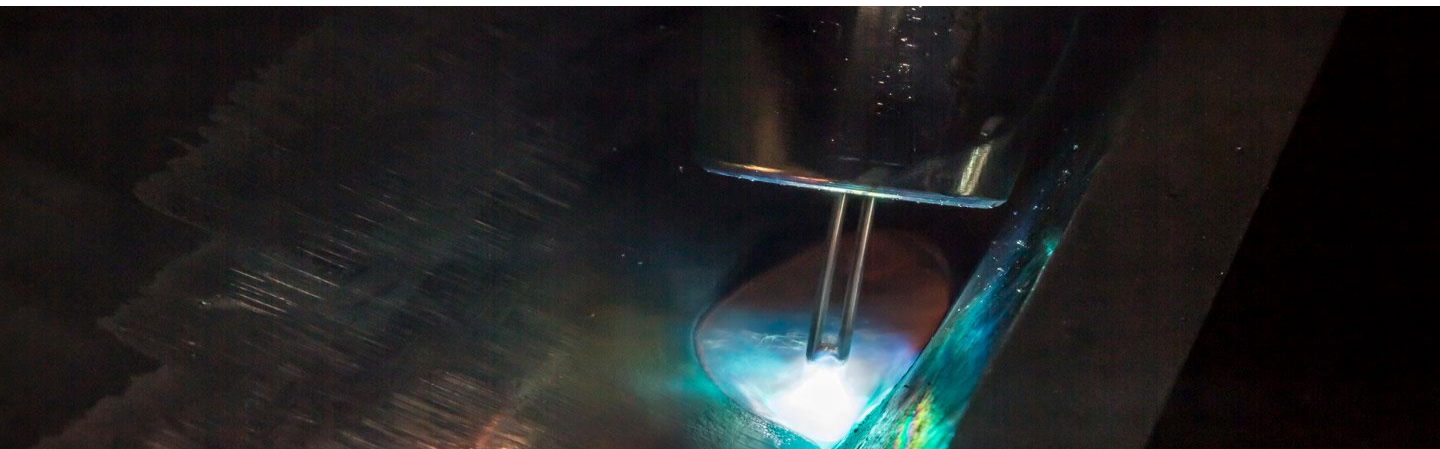


HYPERFILL TWIN-WIRE MIG SOLUTION



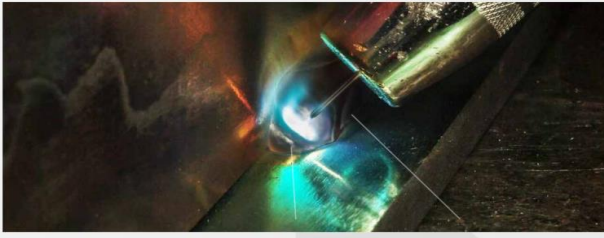
- Bigger welds
- Easy Implementation
- Higher deposition rate
- Capable of excellent weld quality
- Faster travel Speed
- Low investment

HyperFill is a patented twin-wire GMAW-P solution that utilizes two electrically conductive wires, energized by a single power source and fed through a single wire feeder, single gun liner and a single tip.



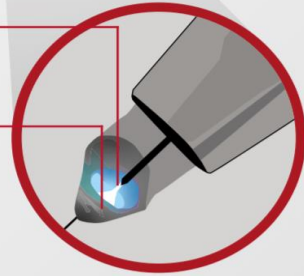
HYPERFILL – BIGGER, FASTER & EASIER WELDS

Single Wire

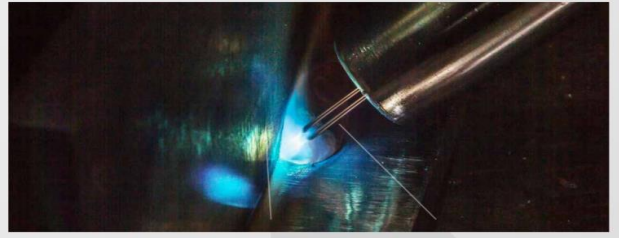


Generates a deep, narrow arc cone

Arc stability deteriorates at higher wire feed speeds making process more difficult to use

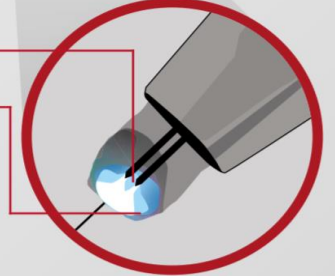


HYPERFILL®



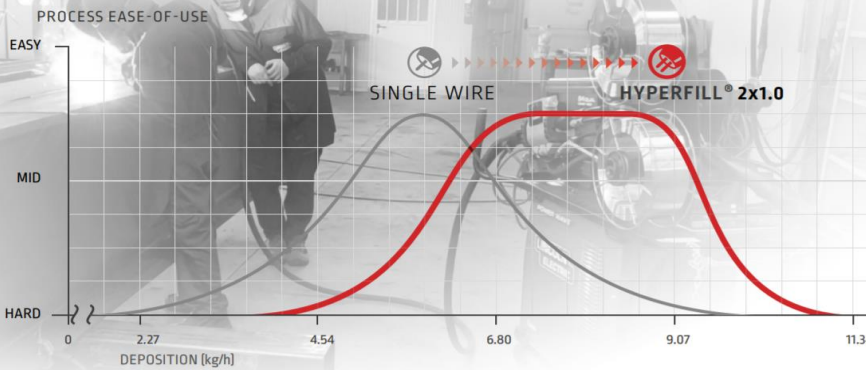
Generates a wide, evenly-distributed arc cone

Smooth, stable puddle is more favorable and makes process easy to use at higher deposition rates



HIGHER DEPOSITION RATE

PROCESS COMPARISON – DEPOSITION RANGE IN SEMI-AUTOMATIC WELDING



WITH EASIER PUDDLE CONTROL UP TO 9 kg/h

PRODUCTIVITY INCREASE SINGLE WIRE VS. HYPERFILL

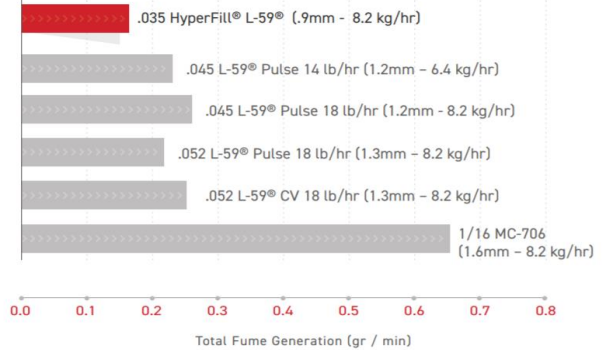
BASELINE PARAMETERS

Single-wire at 13lbs/hr. (5.9 kg/hr) 3.28 ft (1m) weld distance
 13in/min (33cm/min) travel speed
 5/16" (8mm) 2F weld 3 min. weld time



DISTANCE TRAVELED	0,0 FT	1,31	2,62	3,94	5,25	6,56
	0,0 M	0,4	0,8	1,2	1,6	2,0

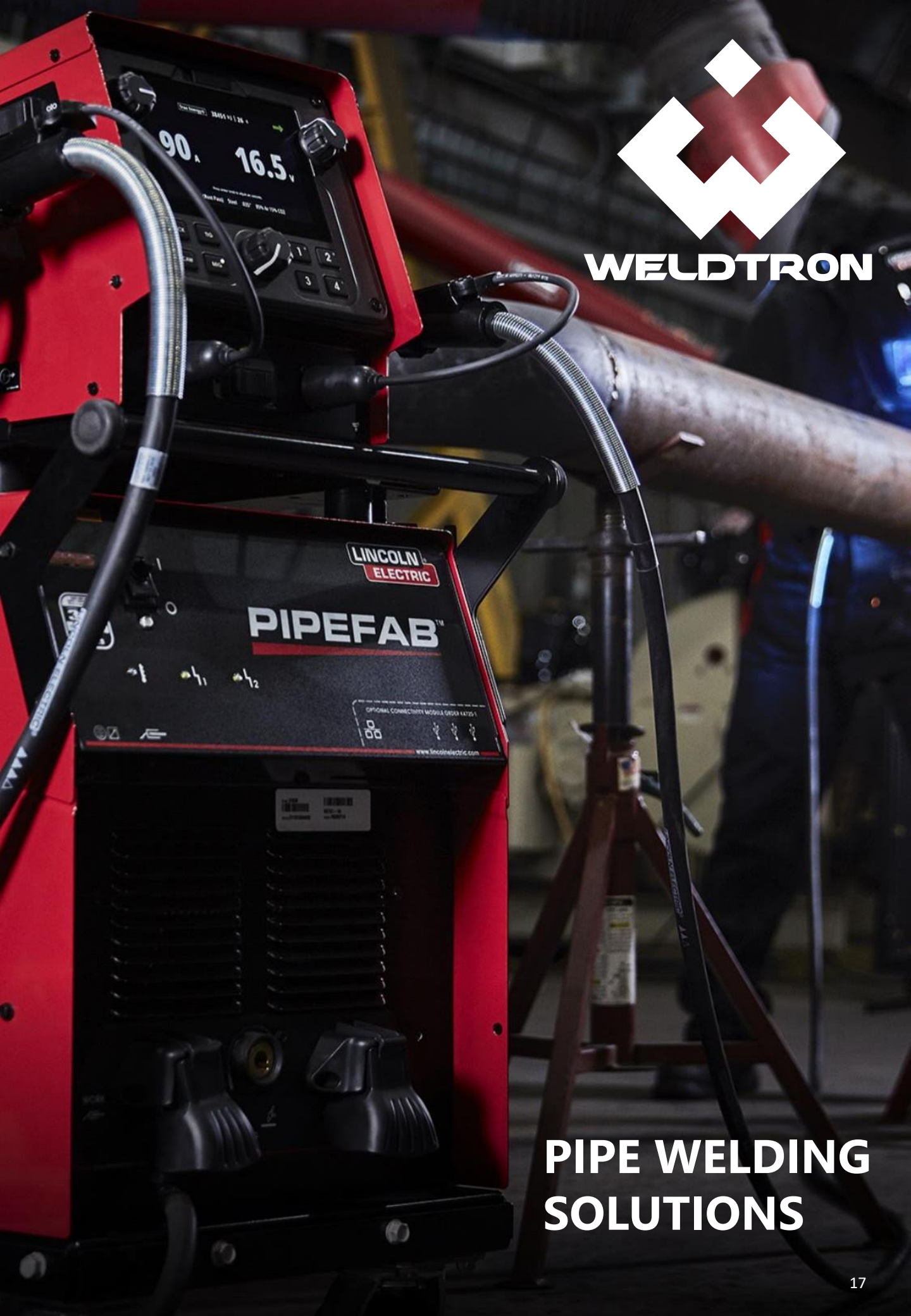
FUME GENERATION CHART



Due to its innovative twin-wire design, HyperFill can utilize two smaller diameter wires to produce a larger weld droplet and arc cone. In return, this generates a large weld puddle that is easy to manage and control, allowing operators to increase deposition by an average of 50% over traditional single-wire processes, achieve higher deposition rates, faster travel speeds, and make bigger welds with greater ease.



WELDTRON



**LINCOLN
ELECTRIC**
PIPEFAB™

**PIPE WELDING
SOLUTIONS**

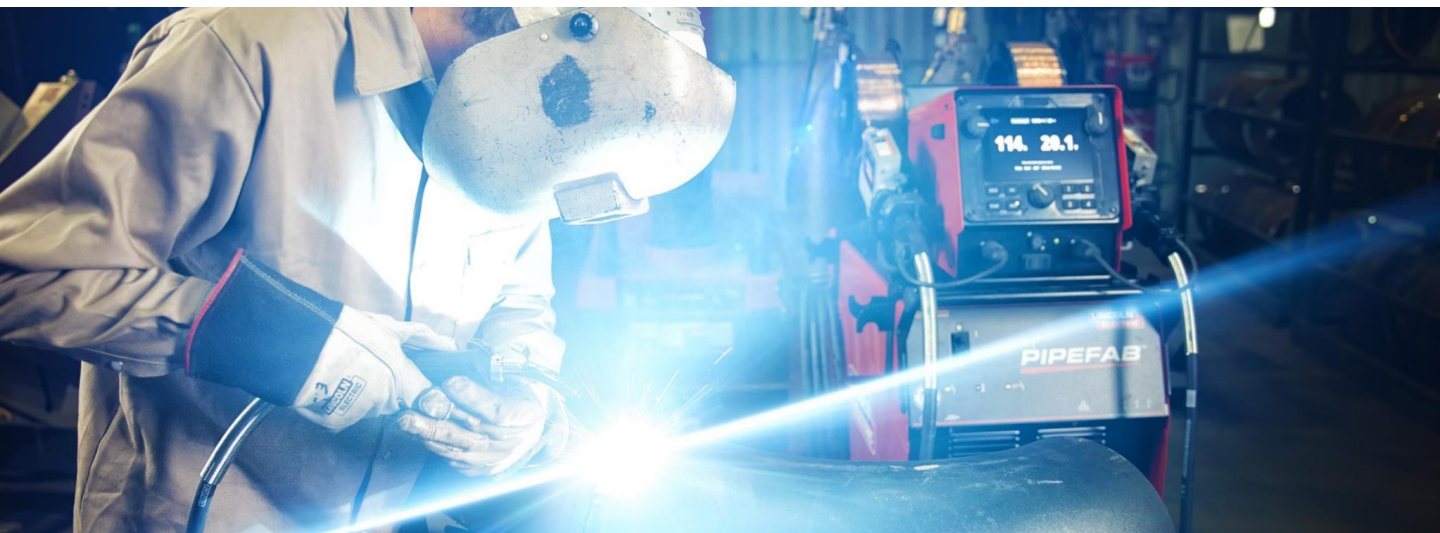
PIPEFAB – The Ideal setup for Pipe and Vessel Fabrication

The **PIPEFAB** welding system was developed for one purpose – to deliver the ideal setup for pipe and vessel fabrication. From machine design to arc performance, no detail was overlooked in delivering a complete, customer-driven system that lets your shop focus on what matters most – making high-quality root-to-cap welds, faster and easier.

The PIPEFAB packs the patented STT® (Surface Tension Transfer®) process which is the original open-root MIG (modified short-circuit) solution to hit the market. From root, to cap, to final fit – the PIPEFAB™ system has you covered with weld modes that have been fine-tuned to deliver breakthrough arc performance specifically for pipe and vessel fabrication.

Process Options:

- SMAW
- GTAW(HF & TOUCH START TIG)
- GMAW/FCAW (PULSED MIG)
- STT

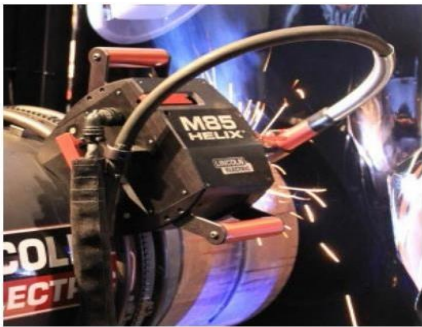




WELDTRON



**ORBITAL WELDING
SOLUTIONS**



The **Orbital Welding System** by Lincoln electric was designed for orbital MIG/TIG welding applications that are mission critical. Whether the work involves cross-country transmission pipelines, process piping, or similar applications, orbital welds need to meet exceptionally high standards.

The mechanized HELIX® M85 welding system sets up quickly and delivers precision calculation and control of travel time, weld distance, weld speed and other essential variables. The result is consistent, high-quality welds with little or no time wasted on setup or rework. The system is driven by Lincoln Electric's APEX® Mechanized Controller with an ArcLink® -enabled third-generation Lincoln Electric Power Wave® machine.

Process Options

- GMAW
- GTAW
- Combination GMAW/GTAW
- Hot Wire GTAW

Orbital system for Tube to Tubesheet welding

Developed for automatic tube-to-tube sheet welding in all positions, our system offers exceptional efficiency, reliability, convenience, and aesthetics compared to manual welding. It consistently delivers superior quality and boosts productivity. With straightforward operation, a mature welding process, and excellent welding performance, it significantly reduces labor intensity. Key features include simplified operation, achieving high reproducibility in tube-sheet welding, an infinite rotation structure to prevent wire feeding, water, power, and gas entanglement, and a unique patent ensuring precise welding path alignment.





WELDTRON

**LASER WELDING
SOLUTIONS**

LASERTRON- LASER WELDING SOLUTIONS

Introducing Lasertron - Weldtron's Handheld Laser Welding Machine
Lasertron is Weldtron's advanced handheld fiber laser welding machine, revolutionizing non-contact welding technology.

With a high-energy laser beam, it creates flawless welds on various metal materials by melting and cooling them precisely. The portable design offers flexibility and ease of operation, making it suitable for outdoor welding.

Lasertron's exceptional features include red light positioning for accuracy, minimal deformation, and a large welding depth for complex welding needs. Experience the future of welding with Lasertron, the ultimate solution for precision and efficiency.

Process Options:

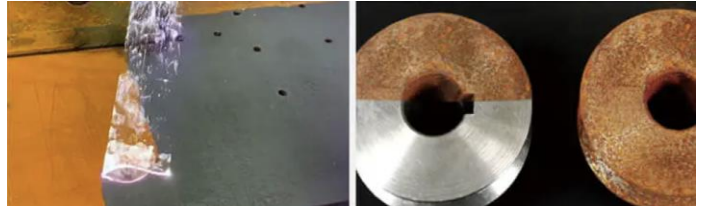
- Welding
- Cutting
- Cleaning



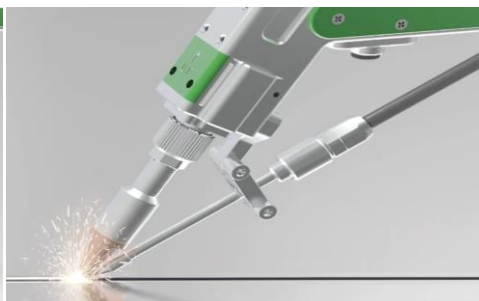
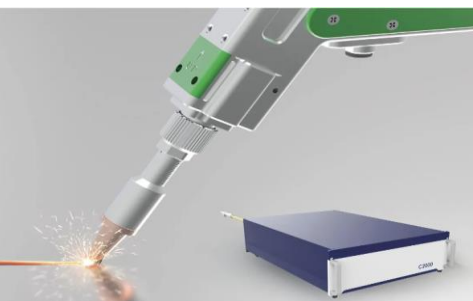
Welding Samples



Cleaning Samples



Cutting Samples





WELDTRON

**GOUGING
SOLUTIONS**

GOUGING SOLUTIONS

Carbon Arc Gouging Machines (CAG)

We provide carbon arc gouging equipment ranging from 800A to 1500A. Our range includes series that are rectifier based or inverter based on your preference. Our machines are economic, reliable when it comes to gouging applications without compromising on productivity and quality.



Carbon Arc Gouging Electrodes

We supply gouging carbon electrodes that are made of a proprietary composition to deliver high efficiency metal removal. The copper coated carbons offer excellent arc stability and generate less heat for a controlled melt off rate. Available in pointed, jointed, flat and hollow electrode types for use in numerous semi-automatic or automatic applications.

Gouging Torches

Engineered for a long product life, the construction of the gouging torches that we supply offers the craftsman a high level of efficiency, reliability and comfort day in, day out. The efficient air-cooling system, the high-grade alloy materials, the ergonomic grip with the swiveling injection nozzle and a complete safe construction all serve to make the torches a pleasure to work with.



FLAIR 600



FLAIR 1600

SUBMERGED ARC WELDING SOLUTIONS



SUBMERTRON 1000 -SUBMERGED ARC WELDING PERFECTED

Highlights:

- MCU controlled technology, precise pulse control, good welding performance
- Embedded expert program with 10 sets of complete welding parameters
- Flexible adjustment of welding parameters, reliable and convenient maintenance performance, low failure rate
- Weakly influenced by input voltage fluctuation
- Featured function of wire diameter selection
- Digital communication between tractor and welder
- 100% duty cycle
- Smart fan feature greatly expands working life of the fan and reduces fault rate
- Self-diagnostic function with error code display



SUBMERTRON 1000

Rated input voltage/frequency (Hz)	3 phase, 380V±10%
Rated input capacity (KVA)	55
Rated input current (A)	83
Duty cycle (40C)	100%@1000A
OCV (V)	82
Adjustable current range (A)	60-1000
Adjustable voltage range (V)	20-50
Wire size (mm)	3.2mm -6.0mm
Job channels	10
Protection class	IP21S
Insulation class	H
Dimension (mm)	6788x366x815
Weight (kg /lb)	95/210



SUBMERGED ARC WELDING SOLUTIONS

Welding Power Sources

Lincoln Electric power sources are optimized for dependability in demanding pipe mill environments. Lincoln Electric offers the newest Waveform Control Technology® in the Power Wave® AC/DC 1000® SD. The following power sources are available:

- US-DC-1000
- US-AC-1500
- US-Power Wave® AC/DC 1000® SD

SAW Tractor is a self-propelled mechanized wire feeder, designed for the submerged arc process with track system capabilities. It is self-guiding and easy to operate – only one operator is usually required. It is designed to be used with a variety of constant voltage and constant current power sources.



Shown: K346A
NA-5S Head
(Shown with
K231-1 Nozzle)



Shown: K356-2
NA-5



K209A
NA-3SF/NA-4F Head



K210-2
NA-3S



K208A
NA-3S/NA-4 Head



K388-2
NA-4



SAW Control and Heads

Improve productivity with the NA-3S, NA-4 & NA-5 automatic wire feeders. These systems have been specially designed to deposit more weld metal at fast travel speeds which eliminates bottlenecks and cuts costs.

Column and booms

Lincoln Electric **column and booms** such as the **CB-MATIC** are the professional answer to your needs. Ideal for pressure vessels manufacturer of stainless steel, mild steel and light alloy, they maximize your benefit from automatic MIG/MAG, submerged arc, TIG, plasma and plasma + TIG welding processes.

PEB BEAM WELDING MACHINES



Introducing Weldtron's PEB Beam Welding Machines - Revolutionizing PEB Construction!

- Experience efficiency and precision in Pre-Engineered Building (PEB) construction with Weldtron's cutting-edge PEB Beam Welding Machines.
- High-Volume Production: Our machines handle large-scale production, ensuring faster project completion without compromising quality.
- Flawless Flange Splicing and Tack Welding: Joining and tack welding flanges with unparalleled accuracy, creating robust I-shaped steel structures.
- SAW Process for Superior Welds: Utilizing Submerged Arc Welding (SAW) ensures precise welds, reduced heat input, and minimal distortion, meeting MBMA standards without additional correction.
- Enhanced Traceability and Control: Our machines feature a fixed cantilever beam on a trolley, providing better weld joint traceability and control, resulting in top-notch weld quality.
- Complete Turnkey Solutions: From design to installation, we offer comprehensive turnkey services, streamlining your PEB project.
- Reliable and Cost-Effective: Built to last, our machines ensure reliability and cost-effectiveness, optimizing your construction process.

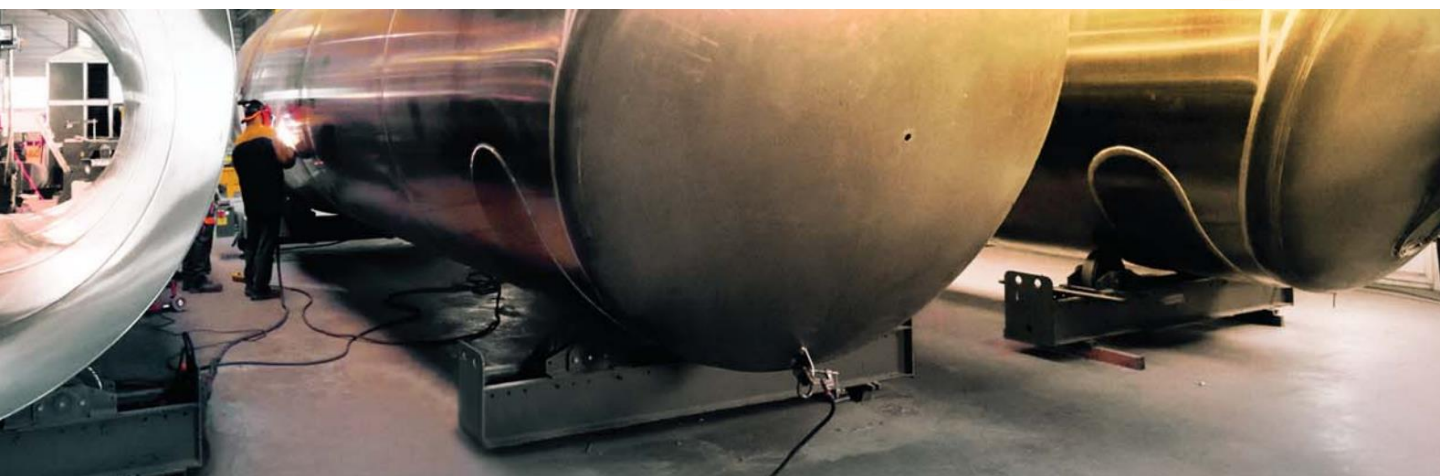
Choose Weldtron's PEB Beam Welding Machines for your construction needs. Contact us today and witness the future of PEB fabrication!

ROTATORS AND POSITIONERS



The **POSIMATIC** range from 50 kg up to 35 Tons allows the handling of pieces of varying capacities, to provide significant improvements in productivity, operator ergonomics and quality standards.

We have a versatile range of **roller beds** such as the **ROTAMATIC** for the handling of circular pieces such as pipes, tubes, vessels or containers during welding operations, and to ensure continuous production and reliable performance.



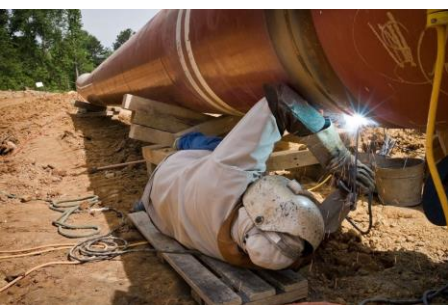
ENGINE DRIVEN WELDER



ENGINE DRIVEN WELDER



Engine drives from Lincoln Electric are available in gas, diesel or LPG models. Commercial and industrial engine driven welders provide stick, TIG and wire welding in even the most extreme environments. Combine DC and/or AC welding with AC generator power for lights, grinders and other tools. Portable models allow you to set up almost anywhere!



TANK WELDING SOLUTIONS



TANK WELDING SOLUTIONS



Girth Welding solutions

We specialize in providing cutting-edge welding solutions for industries like petroleum, petrochemicals, ocean engineering, national reserve oil depots, refineries, and steel structure construction.

Key Advantages

High Efficiency Our automated welding equipment operates 20 to 30 times faster than manual methods, ensuring swift project completion.

Quality Assurance We deliver aesthetically pleasing, high-quality welds that meet industry standards.

Leading Technology Our innovations set industry benchmarks, offering top-tier performance and cost-efficiency.

Horizontal Welding Process

Forward Direction Our construction approach starts from the bottom and moves upwards. It involves welding cradles mounted on tank sections, lifting along with each girth cycle.

Two Variations

1. Single Cradle: For outside girth welding.

2. Dual Cradle: Combines outside and inside girth welding for simultaneous double-sided welding.

We specialize in optimizing LNG tank construction with efficient, high-quality welding solutions.



Electrogas Welding (EGW)

EGW is a specialized welding technique used in LNG tank vertical construction with two key approaches:

1. Forward Direction (EGW)

1. Utilizes Electrogas Arc Welding (FCAW-G).
2. A welding cradle attaches to the tank wall, supporting itself along the tank's vertical seam.
3. Inside the cradle, a vertical aluminum alloy tack ensures the welding car moves seamlessly along the seam for joint welding.

2. Reverse Direction (EGW)

1. Also employs Electrogas Arc Welding (FCAW-G).
2. The welding cradle is mounted on a track at the tank's bottom.
3. A vertical aluminum alloy tack in the cradle facilitates smooth welding along the seam.

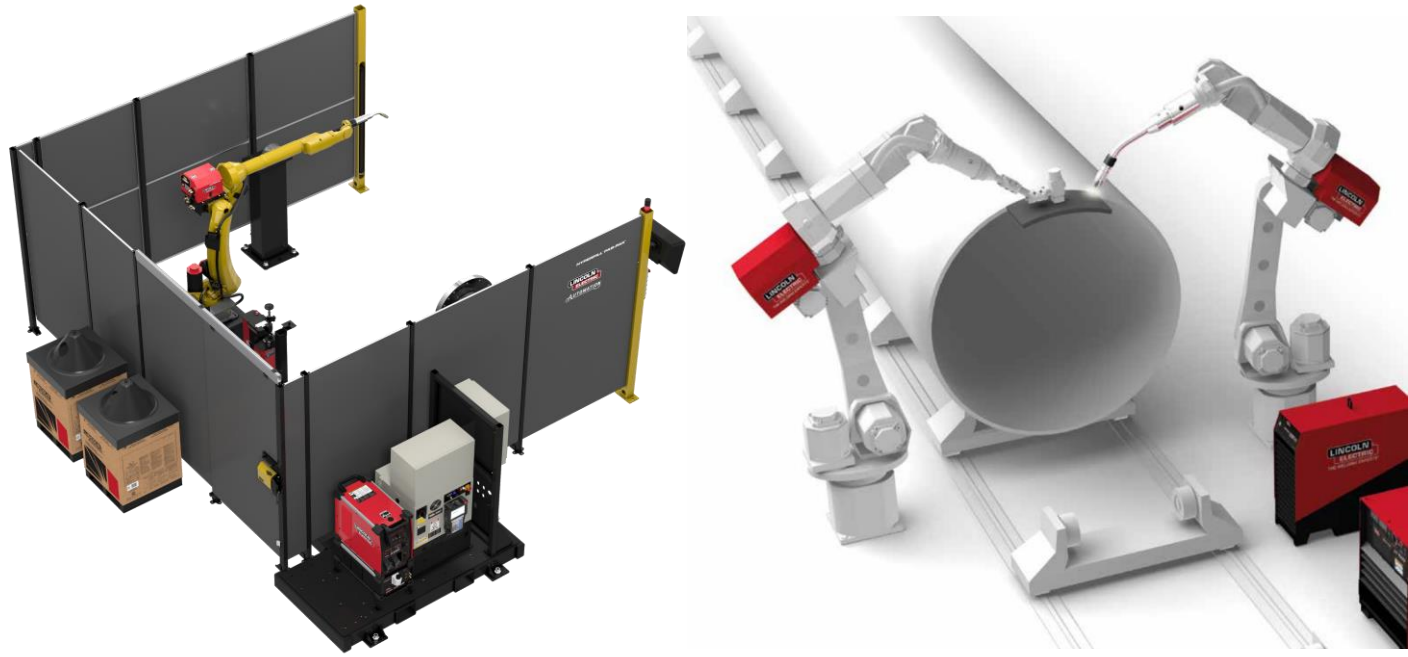
EGW is a crucial technology for precise vertical welding in LNG tank construction.



ROBOTIC SOLUTIONS



ROBOTIC SOLUTIONS



We have customized robotics solutions for industry-specific applications; for further information, contact us for the same.

The image above shows a HyperFill Fab-Pak robotic welding system & a pipe welding system by Lincoln Electric. The HyperFill Fab-Pak robotic welding system is built to maximize deposition rates and is ideal for a manufacturing operation that handles heavy-sized parts. With a twin-wire torch that delivers a broader, smoother arc cone, it's possible to obtain higher levels of quality, consistency and safety with this pre-engineered robotic welding system.

The Pipe Welding system is designed for pipe, small pressure vessel, and other types of roll welding. Companies that invest in robotic technology have increased their pipe welding productivity significantly on carbon steel , stainless steel pipes, and have **dropped their repair rate to less than 1%**. This is making our customers more competitive when bidding on jobs, and it has increased margins on contracts they've already won.

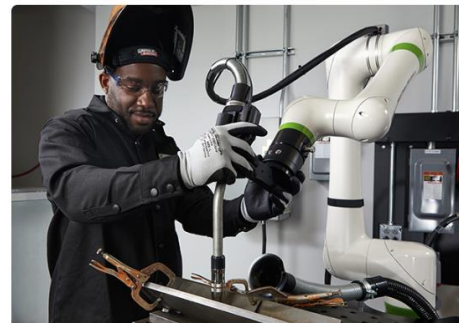


COBOT SOLUTIONS

Introducing Collaborative Welding Cobots by Weldtron - Powered by Lincoln Electric and Fanuc.

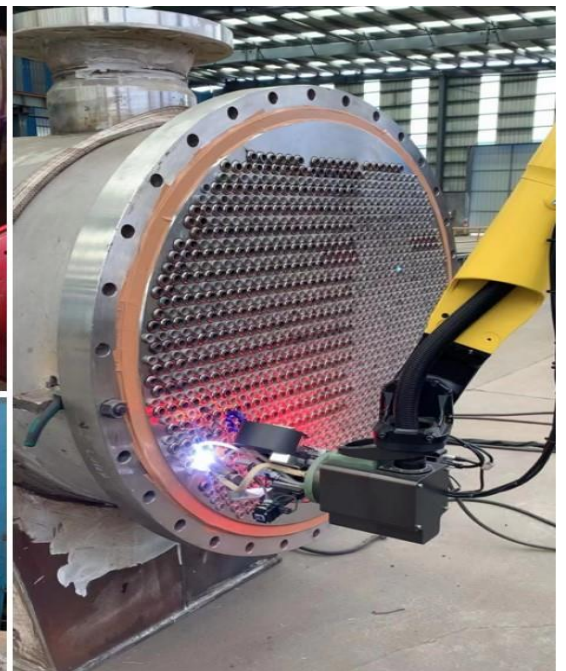
Welcome to the future of welding automation with Weldtron's cutting-edge Collaborative Welding Cobots. These Cobots, in partnership with Lincoln Electric and Fanuc, bring precision welding capabilities together with collaborative robotic technology. Designed for shared workspaces, Collaborative Welding Cobots work safely alongside human operators, equipped with advanced sensors and safety features. Weldtron's expertise, combined with Lincoln Electric and Fanuc's excellence, ensures unmatched welding precision, speed, and consistency.

Experience the next generation of welding automation with Weldtron's Collaborative Welding Cobots. Embrace the future of seamless collaboration between man and machine, unlocking new levels of efficiency and quality in welding applications


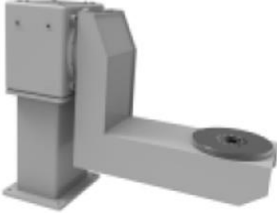

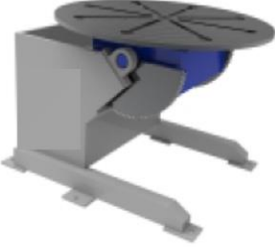

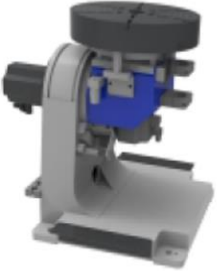
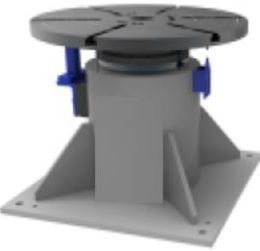

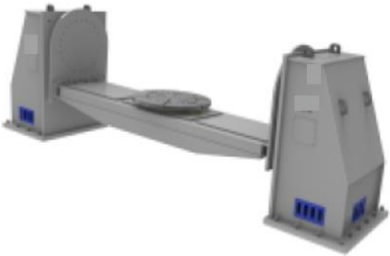
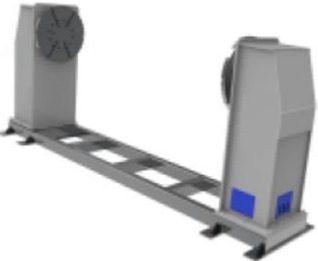



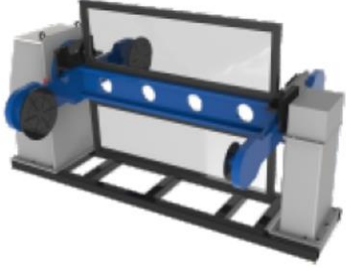


Robotic Tube-to-Tubesheet Welding system








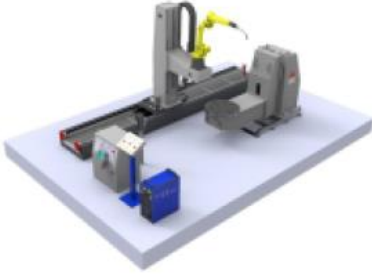



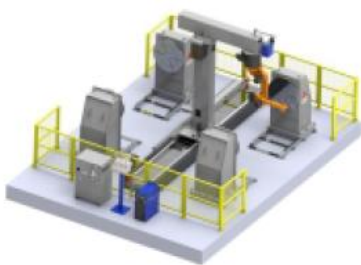
Our cutting-edge robotic tube to tubesheet welding system boasts exceptional speed, with a 2-second locating time, and offers unparalleled flexibility, requiring minimal constraints on workpiece placement. It is design to work with tube diameter 10-60mm. Quick setup and calibration, accomplished within 5 minutes, streamline operations. Users can input workpiece parameters, eliminating the need for templates and simplifying visual application. Operator-friendly and devoid of complex programming, our system ensures fully automatic welding, reducing manual intervention. It seamlessly integrates CAD drawings, making robot teaching unnecessary. Customizable welding procedures prevent deformation, and vision-based deviation compensation guarantees weld seam quality. Powered by a swift 6-axis robot, this system is engineered for optimal efficiency.



ROBOTIC POSITIONERS











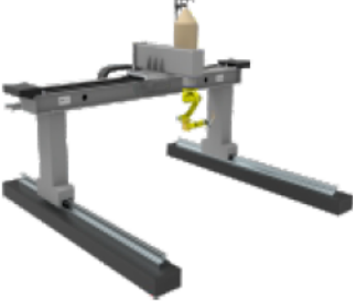

			
<p>A1: Positioner Effective bear load: 0.5/1t Rotation diameter: ϕ 1.5/2m</p>	<p>A2: 2-axis L type positioner (light duty) Effective bear load: 0.5/1t Rotation diameter: ϕ 1.5m</p>	<p>A3: 2-axis L type positioner (heavy duty) Effective bear load: 0.5/1/2.5/5t Rotation diameter: ϕ 1.5/2/2.5m</p>	<p>A4: 2-axis D type positioner Effective bear load: 0.3/0.6/1.2/3/5t Rotation diameter: ϕ 1.5/2/2.5m</p>
			
<p>A5: 2-axis seat-type positioner (dual supporting) Effective bear load: 0.5/1t</p>	<p>A6: 2-axis seat-type positioner (single supporting) Effective bear load: 0.5/1t</p>	<p>A7: T type positioner Effective bear load: 0.5/1/2.5/5/10t</p>	<p>A8: E type positioner Effective bear load: 0.5/1/2.5/5/10t Rotation diameter: ϕ 1.5/2/2.5/3m</p>
			
<p>A9: 2-axis head-tail positioner Effective bear load: 2.5/5/10t Rotation diameter: ϕ 2/2.5/3m</p>	<p>A10: 1-axis head-tail positioner Effective bear load: 0.5/1/2.5/5/10t Rotation diameter: ϕ 1.5/2/2.5/3m</p>	<p>A11: Head-tail positioner (tooling mobile type) Effective bear load: 0.5/1/2.5t Rotation diameter: ϕ 1.5/2/2.5m</p>	
			
<p>A12: Head-tail positioner (tail mobile type) Effective bear load: 0.5/1/2.5/5/10t Rotation diameter: ϕ 1.5/2/2.5/3m</p>	<p>A13: Dual-station rotation type 3-axis positioner Effective bear load: 0.5/1t Rotation diameter: ϕ 1/1.5m</p>	<p>A14: Dual-station overturn type 3-axis positioner Effective bear load: 0.5/1t Rotation diameter: ϕ 1.5/2m</p>	

ROBOTIC WORKSTATIONS COMPLETE EQUIPMENT

		
<p>F1: Standard 6-axis robot workstation Configuration: robot body + wire feeder + welding machine + welding torch</p>	<p>F2: Single station L shape 8-axis robot workstation Effective bear load: 1/2.5/5t</p>	<p>F3: Dual station head-tail type 8-axis robot workstation Effective bear load: 0.5/1/2.5/5t</p>
		
<p>F4: Dual station head-tail type 14-axis robot workstation Effective bear load: 0.5/1/2.5/5t</p>	<p>F5: Dual station travelling head-tail type 9-axis robot workstation Effective bear load: 0.5/1/2.5/5t</p>	<p>F6: Dual station rotation and lifting 12-axis hang upside down type robot workstation Effective bear load: 1/2.5/5t</p>
		
<p>F7: Travelling head-tail 8-axis hang upside down type robot workstation Effective bear load: 1/2.5/5t</p>	<p>F8: Lifting and travelling L shape 10-axis robot workstation Effective bear load: 1/2.5/5t</p>	<p>F9: Gantry L shape 11-axis robot workstation Effective bear load: 1/2.5/5t</p>
		
<p>F10: Gantry head-tail 10-axis robot workstation Effective bear load: 2.5/5/10t</p>	<p>F11: Gantry H shape 11-axis robot workstation Effective bear load: 2.5/5/10t</p>	<p>F12: Dual-station travelling head-tail type 10-axis hang upside down robot workstation Effective bear load: 1/2.5/5t</p>

ROBOTIC SOLUTIONS

RAIL SERIES

		
<p>B1: 1-axis gantry Effective travel: X axis 4/8/12m</p>	<p>B2: 3-axis gantry Effective travel: X axis 3/4/6m, Y axis 2m, Z axis 1.5m</p>	<p>B3: Lifting and rotation C type frame (normal installation) Lifting travel: 3m/customize Rotation angle: $\pm 360^\circ$</p>
		
<p>B4: Travelling C type frame Effective travel: 2/3/5/10/15/20m</p>	<p>B5: Rotation and travelling C type frame Effective travel: 2/3/5/10/15/20m Rotation angle: $\pm 360^\circ$</p>	<p>B3: Lifting and rotation C type frame (hang upside down) Lifting travel: 3m/customize Rotation angle: $\pm 360^\circ$</p>
		
<p>B7: Travelling ground rail Effective travel: 2/3/5/10/15/20m</p>	<p>B8: Lifting and travelling ground rail Effective travel: X axis 2/3/5/10/15/20m Y axis 2m/ fixed</p>	<p>B9: Hang upside down and travelling type ground rail Effective travel: X axis 2/3/5/10/15/20m Y axis 2m/ fixed</p>
		
<p>B10: Travelling cross Effective travel: X axis 2/3/5/7m Y axis 3/5m</p>	<p>B11: Travelling gantry Effective travel: X axis 2/3/5m Y axis 2/3/5/10m</p>	<p>B12: Dual robot travelling ground rail Effective travel: X axis 2/3/5/10/15/20m</p>

WELD FUME CONTROL SOLUTIONS

Weldtron offers a complete line of portable, stationary, and engineered solutions for welding fume control. Our team of safety specialists can assist with your questions and concerns, and provide you with a full complement of weld fume extraction solutions.

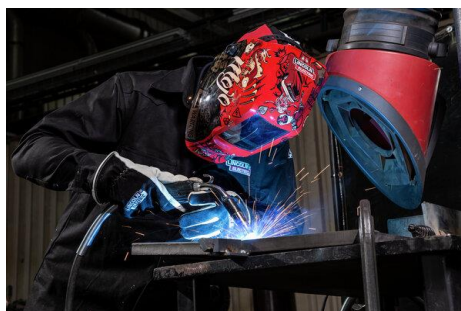
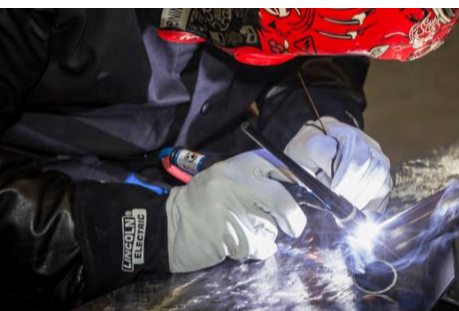
Mobile welding fume extractors with filtration are lightweight and rugged, designed for light to medium duty welding fume extraction



WELDING CONSUMABLES



- MMA coated electrodes
- MIG/MAG flux cored wires
- MIG/MAG solid wires
- SAW wire/flux combinations
- Cladding strip/flux combinations
- TIG and brazing filler metal



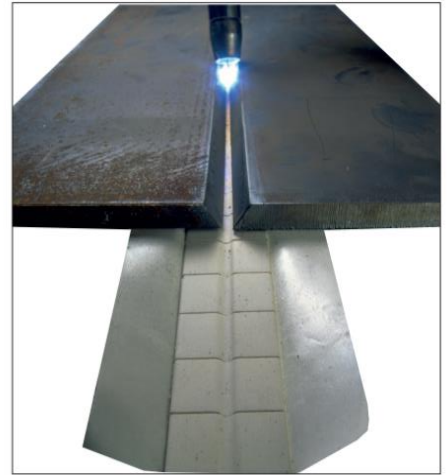
CERAMIC BACKING STRIPS

Our new range of ceramic backings enables you to build a much more efficient weld root:

- without gouging
- without grinding
- without re-welding
- without rework
- with a wide root gap
- with a bigger root thickness permits higher welding current for the hotpass.

The use of the ceramic backings enables welding with higher intensity
The quality of the weld bead will be improved

- higher penetration
- minimum risk of lack of fusion
- smooth profile of the root pass



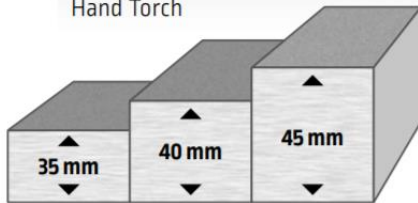
Type	To order	PROCESS				Dimensions (mm)	3D diagram	Application	Packing
		MMA	TIG	MIG/MAG	SAW				
KERALINE TA1 - 6 mm	W000010391	-	✓	✓	-			600 mm / piece 10 pieces per bag (6 meters) 6 bags/carton (36 meters)	
KERALINE TA2 - 9 mm	W000010392	-	✓	✓	-				
KERALINE TA3 - 13 mm	W000010393	✓	-	✓	-				
KERALINE TF1 - 6 mm	W000010394	-	✓	✓	-			600 mm / piece 10 pieces per bag (6 meters) 6 bags/carton (36 meters)	
KERALINE TF2 - 9 mm	W000010395	-	✓	✓	-				
KERALINE TF3 - 13 mm	W000010396	✓	-	✓	-				
KERALINE TR1 - 6 mm	W000010397	✓	-	✓	-			600 mm / piece 50 pieces per bag (30 meters) 5 bags/carton (150 meters)	
KERALINE TR2 - 7 mm	W000010398	✓	-	✓	-				
KERALINE TR3 - 8 mm	W000010399	✓	-	✓	-				
KERALINE TR4 - 9 mm	W000010400	✓	-	✓	-				
KERALINE TR5 - 12 mm	W000010401	✓	-	✓	-				
KERALINE TR6 - 15 mm	W000010402	✓	-	✓	-				

PLASMA CUTTING SOLUTIONS

Lincoln Electric **TOMAHAWK® 1538**
 – high performance plasma cutting machines, built to handle harsh environmental conditions, suitable for operation on site with a generator or within a workshop environment. Up to 40 mm mild steel (Tomahawk® 1538).



CUT PERFORMANCE – MILD STEEL
 Hand Torch



Recommended **Maximum** **Severance**

Rated Cut @ 0,38 m/min Maximum Cut @ 0,32 m/min Sever Cut @ 0,18 m/min

Processes

- Plasma cutting (all)
- Plasma gouging
- Grid Mode

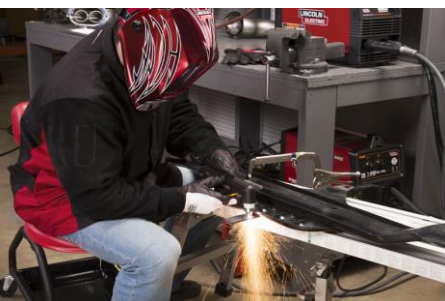
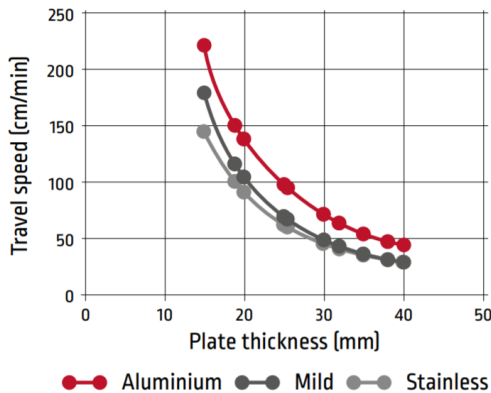
Type of Gas

- Air compressed
- Nitrogen

Applications

- On site maintenance
- Service tasks
- Small construction sites
- General installations
- Air ducting installation (HVAC) Demolition work
- Rental

Tomahawk® 1538 with LC105
 Comparison at 100A



CNC PLASMA CUTTING SOLUTIONS



The **TORCHMATE® 4400 | 4800 | 4510 CNC plasma cutting systems by Lincoln Electric®** are designed for the growing fabrication shop. Its design, components, and construction were all single-source engineered to deliver exceptional repeatability and performance. Rapid delivery and setup time gets your machine up and running quickly with limited assembly required. Our best in class warranty, industry leading support and lowest operation costs, ensure you spend more time making money.

The Torchmate 4400, 4800 and the Torchmate 4510 include all necessary components to operate the system, including: an integrated touchscreen HMI, industrial grade user console with adjustable mounting arm, and proprietary motion control system. Our standard 80 amp power supply delivers 65% faster cut speeds and savings of up to 45% in consumable costs. The 4400, 4800 and 4510 produce cycle times that are 2.5 times faster than our previous system.

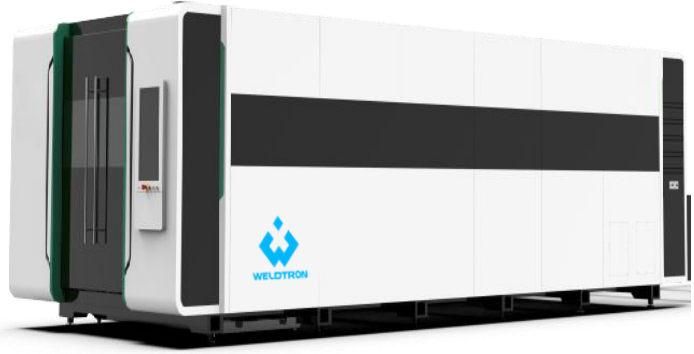
Applications

- Small metal fabrication shops
- Sheet metal contractors
- Hobbyists & artists
- Custom vehicle fabricators
- Prototyping
- Education
- Racing industry



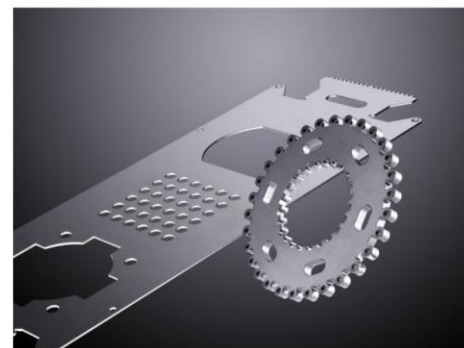
FIBER LASER CUTTING SOLUTIONS

Fiber laser cutting machines are advanced CNC laser metal cutting systems designed to deliver exceptional performance in terms of quality, speed, precision, and efficiency. These cutting-edge machines serve as ideal metal working partners, offering a wide range of capabilities for all types of metal cutting tasks. Equipped with varying laser powers, ranging from 1000W to 40000W, fiber laser cutters can effortlessly handle cutting sheet metals and metal tubes of diverse materials, including carbon steel, stainless steel, aluminum, titanium alloy, brass, copper, and more. The machines are highly adaptable, catering to different thicknesses of metals with unmatched precision. The applications of fiber laser cutting machines are vast and encompass industries such as electronics, automobiles, aviation, aerospace, engineering machinery, household appliances, metal arts, advertising, and many others.

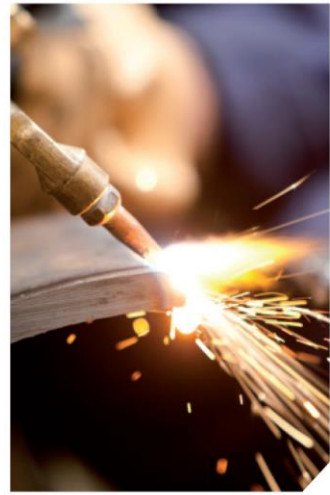
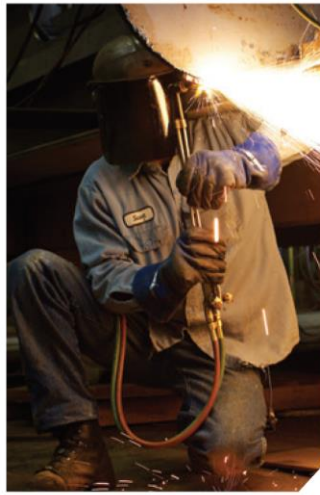


From precision accessories to large-scale structural components, fiber laser cutters are indispensable tools in modern manufacturing. These machines can efficiently cut various materials, such as carbon steel, stainless steel, alloy steel, aluminum, copper, and more. Whether it's thin sheets or thick tubes, fiber laser cutting machines deliver clean and precise cuts with minimal heat-affected zones.

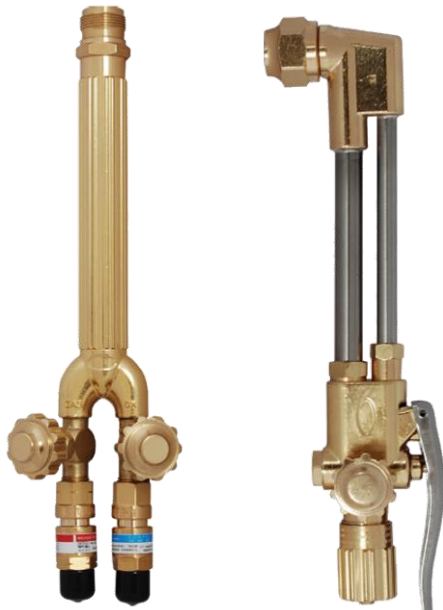
In summary, fiber laser cutting machines are the go-to solution for industries seeking high-quality, high-speed, and high-precision metal cutting. With their exceptional versatility and efficiency, they empower manufacturers to achieve superior results in a wide range of applications.



OXY-FUEL CUTTING SOLUTIONS



HAND CUTTING TORCH SET



VH31 CUTTING TORCH HANDLE
& VH24 CUTTING ATTACHMENT



HEATING TORCH- INFERNO KIT

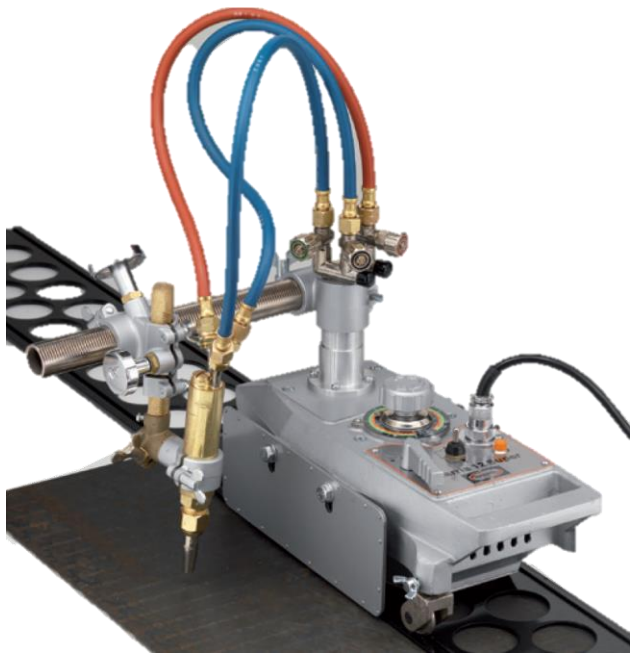


CUTTING TIPS
OXY ACETYLENE & PROPANE

OXY-FUEL CUTTING SOLUTIONS



MACHINE CUTTING TORCH



PORTABLE CUTTING SYSTEMS



MACHINE CUTTING TIPS



WELDING AND CUTTING SETS



FLASHBACK ARRESTORS

TOOLS & ACCESSORIES



PERSONAL PROTECTION EQUIPMENT & OTHER GENERAL WELDING ACCESSORIES



ELECTRODE AND FLUX DRYING OVENS

TOOLS & ACCESSORIES

Tungsten Electrodes

A complete range of tungsten electrodes:

WT 20 - Thorium 2% -
Steel and stainless steel (red tip)

WP - Pure tungsten -
Light alloy (green tip)

WL 20 - Lanthanum 2%
Light alloy (using AC current), steel and stainless steel (using DC current) (blue tip).

WC 20 - Cerium 2%
Steel and stainless steel (grey tip)

WZ3 - Zirconiated 0.3% -
(using AC current), steel and stainless steel (using DC current) turquoise tip.



To Choose Electrode

Type	Metal		Arc stability	Striking	Lasting	Thermal resistance
	Light Alloys	Steel & Stainless steel				
WP Pure tungsten	*		**	*	*	*
WT 20 Thorium 2%		*	*	***	**	**
WC 20 Cerium 2%		*	**	*	**	**
WL 20 Lanthanum 2%	*	*	**	***	***	***
ZR3 Zirconiated	*	*	**	***	***	***

*** Excellent ** Good * Average

Tungsten Electrodes Sharpener



Weldtron reserves itself the right to embody modifications without prior notice. The illustrations, descriptions and characteristics are given for information only and do not engage the responsibility of the constructor.

TOOLS & ACCESSORIES

Welding cables

| Double Insulated | Extra Flexible

| Orange & Black Jacket

• 10 Sq. mm. to 400 Sq. mm • 600 Volts

• -30°C to +90°C

FEATURES.....

- Based on CENELEC HD 22-6 31, VDE 0282, IEC 245-6, IS 473, BS 638-4
- Outstanding toughness & durability
- High resistance to cuts, tears & abrasion
- Resistance to oil, solvents and chemicals
- Excellent ozone and weather resistant
- Fire Retardant

APPLICATIONS.....

- **Welding:** Designed for the secondary (high current) connection to automatic or hand - held metal arc welding electrodes. It is suitable for flexible use under rugged conditions, on assembly lines and conveyor systems, in machine tool and automatically operated line and spot welding machines.
- **Power:** Earthings / return leads, power feeds to electrolytic plating process, Busbar connection, transformers, generators, aircraft servicing equipments etc.

CONSTRUCTION.....

Conductor: High conductivity, bare annealed copper flexible conductor.

Sheath: Double Sheathed with a specially developed Thermoplastic Elastomeric (TPR/TPE)

Orange / Black Coloured

VOLATGE DROP.....

When total cable lengths in excess of 15 mtrs. Are involved, it may be necessary to use cables of larger cross section to ensure that the voltage drop is not excessive and welding currents is maintained at adequate levels.



CURRENT RATINGS.....

The maximum current ratings of flexible welding cables for different duty cycles are based on an ambient air temperature of 25°C and a maximum conductor temperature of 90°C. The percentages duty cycles given in the table are based on a cycle time of 5 minutes. The typical duty cycles for various welding processes and applications are as follows:

- Automobile Welding : up to 100%
- Semi-automatic welding : 30% to 85%
- Manual Welding : 0% to 60%
- Very intermittent or Occasional Welding : up to 20%

sqmm	Nominal insulation thickness mm	Nominal sheath thickness mm	Overall cable diameter		Max conductor resistance at 20°C Ω/km	Current rating					Non Welding Application amp
			Lower limit mm	Upper limit mm		Welding applications					
						Duty Cycle					
						100%	85%	60%	30%	20%	
10	1.2	1.8	7.8	10	1.91	105	115	135	190	235	110
16	1.2	1.9	9	11.5	1.21	135	145	175	245	302	138
25	1.4	2	10	13	0.780	180	195	230	330	402	187
35	1.4	2.2	11.5	14.5	0.554	225	245	290	410	503	233
50	1.6	2.4	13	17	0.386	285	310	370	520	637	295
70	1.6	2.6	15	19	0.272	355	385	460	650	794	372
95	1.8	2.8	17.5	21.5	0.206	430	470	560	790	961	449
120	1.8	3	19.5	24	0.161	500	540	650	910	1118	523
150	2	3.2	21.5	26	0.129	580	620	740	1040	1297	608
185	2.2	3.4	23	29	0.106	660	715	850	1200	1476	690
240	2.4	3.5	27	32	0.0801	710	770	916	1296	1587	744
300	2.6	3.6	30	35	0.0641	800	850	1035	1450	1790	840
400	2.8	3.8	33	39	0.0486	925	1000	1195	1690	2070	970

Ambient temperature °C	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°
Rating Factor	1.04	1.00	0.96	0.91	0.87	0.82	0.76	0.69	0.64	0.57

REGULATORS



OXYGEN REGULATOR



CO₂ REGULATOR



HIGH PRESURE CYLINDER
REGULATOR



ACETYLENE REGULATOR



ARGON REGULATOR



AR/CO₂ PIPELINE
REGULATOR



NITROGEN REGULATOR



ARGON DOUBLE FLOW
REGULATOR

COMPLETE EDUCATION SOLUTIONS FOR WELDING, CUTTING & AUTOMATION



Welding Processes and materials

Use VRTEX® to teach welders of varying skill levels to weld using the most common welding processes and materials.



Smarter

Compact size, small footprint, mobile use, intelligent software features.



Efficient

High training quality, rapid training progress, faster fit for real welding, fast set-up, just plug-in & train.



Safer

No metal, sparks, heat, gas and fume. Less risks and accidents, remote learning capabilities via video streaming, optional hygienic training approach.



Multi-use

Flexible use and different welding training modes, Thermal Oxyfuel Cutting as add-on feature.

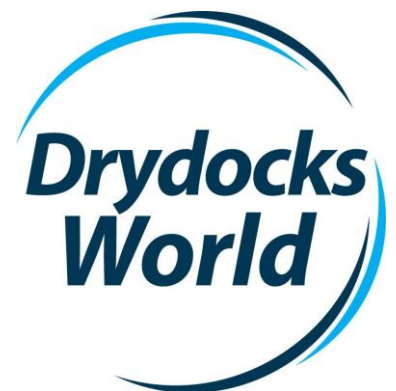
Simulated Processes:

NEW!

GTAW with and without filler metal exclusively on VRTEX® Transport™ and VRTEX® 360 and 360+



OUR VALUED CLIENTS





Weldtron International FZCO - FZS1-BN01, South Zone -
Jebel Ali Freezone - Dubai - United Arab Emirates

Weldtron Trading LLC - WH09, Plot number 597-1151,
Obaidullah warehouse, Dubai Investment Park - 2 – Dubai

D- 411, Twin Arcade, Marol Military Road, Andheri E,
Mumbai, Maharashtra India- 400059

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 +971-4-5488477

WELDTRON
THE WELDING SOLUTIONS
EXPERTS