DRUPE

Where
Engineering
Precision Meets
Intelligent Automation

DRUPE

Drupe Engineering Pvt. Ltd.

Welding Automation | CNC Cutting & Bevelling | Robotics & Intelligent Manufacturing

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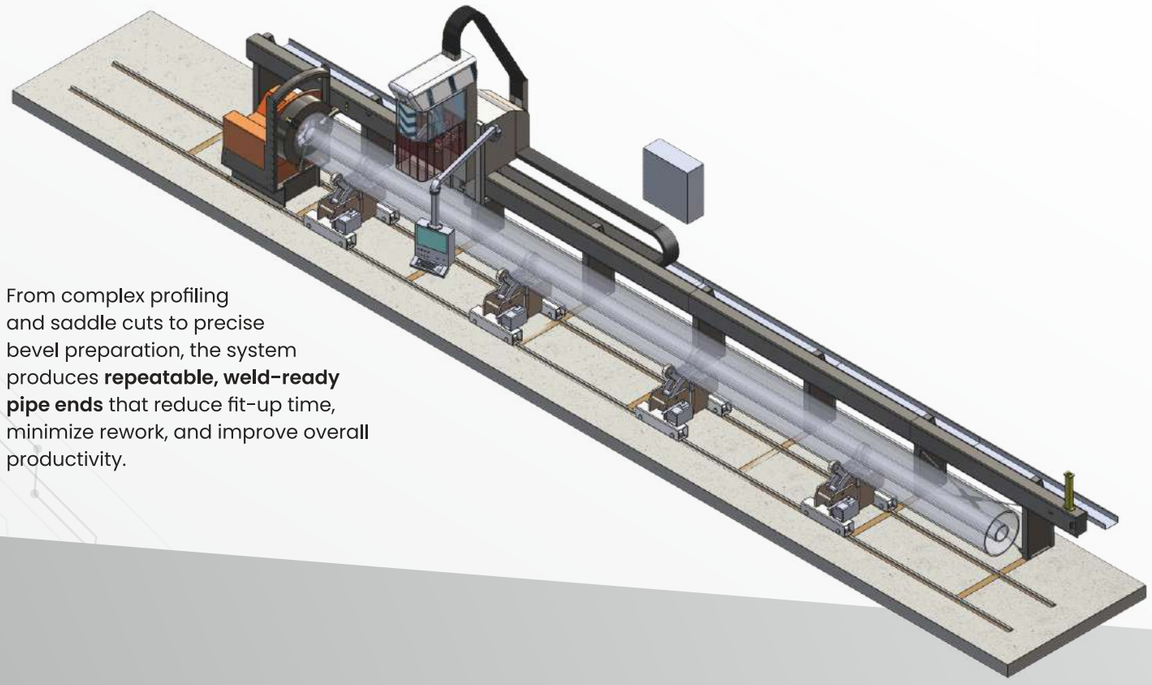
CNC Pipe Profiling & Beveling Machine

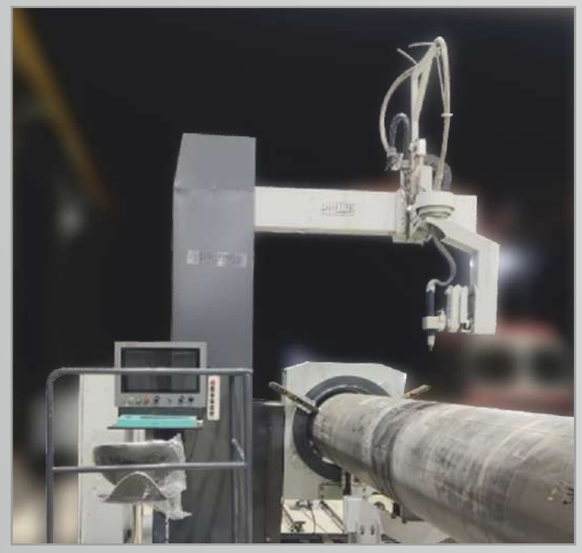
Engineered with Purpose. Built to Endure.

At **Drupe Engineering**, our CNC Pipe Profiling & Beveling Machine is the result of deep shop floor understanding and relentless engineering refinement. Designed for heavy-duty industrial fabrication, it delivers precision, reliability, and long service life without the burden of excessive cost.

Built using **international-grade materials and globally proven components**, the machine features a rigid, stress-relieved structure and high-precision motion systems to ensure consistent accuracy, stable cutting performance, and long-term dimensional integrity.



From complex profiling and saddle cuts to precise bevel preparation, the system produces **repeatable, weld-ready pipe ends** that reduce fit-up time, minimize rework, and improve overall productivity.



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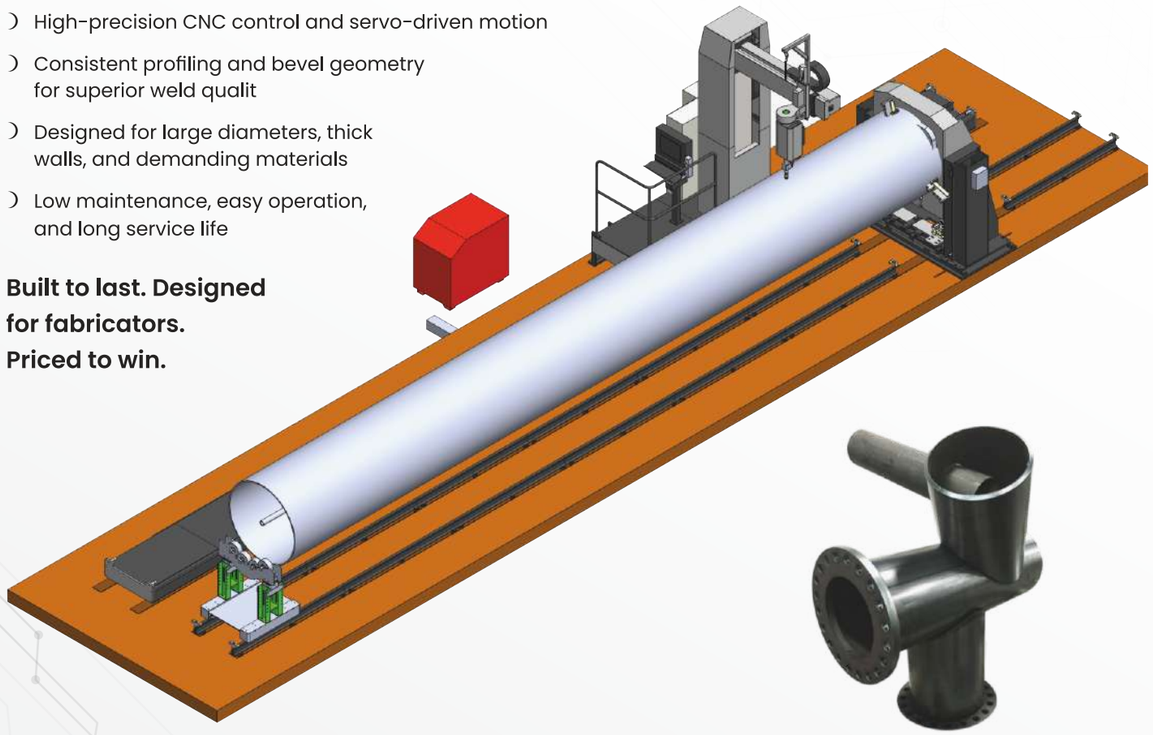
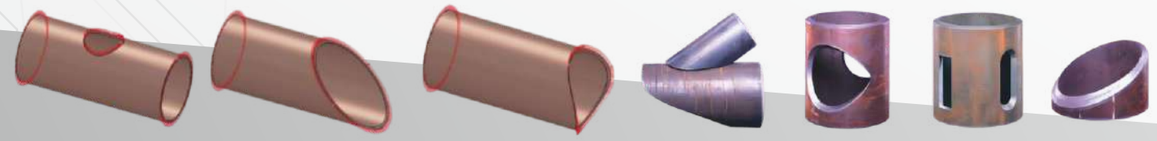
While benchmarked against leading global machines, our intelligent design and optimized manufacturing allow us to offer a **world-class solution with a significantly lower total cost of ownership.**

Key Highlights

- Heavy-duty, vibration-resistant structural design
- High-precision CNC control and servo-driven motion
- Consistent profiling and bevel geometry for superior weld qualit
- Designed for large diameters, thick walls, and demanding materials
- Low maintenance, easy operation, and long service life

Built to last. Designed for fabricators. Priced to win.





Model: TC	T-800	T-600
Chuck capacity (mm)	Thru – 800mm OD clamping up to 2000mm	Thru – 600mm OD clamping up to 1200mm
No. of. Axis	7-Axis servo	7-Axis servo
Effective Cutting Length (mm)	300-12000 optional sizes available	300-6000 optional sizes available
Tube Weight	Up to 12 Ton	Up to 6 Ton
Torch Control	Manual / Automatic	Manual / Automatic
Maximum Rapid Speed	12000mm/min	12000mm/min
CNC Control Systems	Eckelmann / Hypertherm	Eckelmann / Hypertherm
Plasma Power Source	Hypertherm-USA, Kjellberg-Germany	Hypertherm-USA, Kjellberg-Germany
Nesting Software	ALMA CAM/ LANTEK	ALMA CAM/ LANTEK
Bevel Angle (Degree)	60°	60°
Fume exhaust system	Optional	Optional
Chuck Holding	Powered & Automatic	Powered & Automatic
Cutting Mode	Plasma	Plasma

CNC Oxy-Fuel / Plasma Bevelling Machine

Built to Last. Designed to Perform.

Engineered for heavy fabrication, EPC projects, and industrial plate processing, the Drupe CNC Oxy-Fuel / Plasma Bevelling Machine delivers precise cutting and accurate bevelling in a single, reliable platform day after day, year after year.

Designed with Purpose

This machine is the result of deep engineering effort and real shop-floor experience. Every structure, component, and motion system is designed not just for performance, but for **long-term stability, repeatability, and industrial reliability.**

Precision Cutting & Bevelling

- Integrated oxy-fuel and plasma cutting on one CNC system
- Accurate V, Y, X, and K bevels in a single operation
- Consistent edge quality across thin to thick plates
- Smooth, stable motion for complex profiles and contours

Cut, bevel, and send plates directly for fit-up without rework.

Built Like Industrial Infrastructure

- Industrial CNC control architecture
- Easy maintenance and globally available components
- Logical layout for fast servicing and minimal downtime

Reliability is engineered—not assumed.

Built Like Industrial Infrastructure

- Heavy-duty, stress-relieved steel construction
- Precision-machined gantry and motion assemblies
- International-grade mechanical and electrical components
- Designed for continuous operation in harsh shop environments

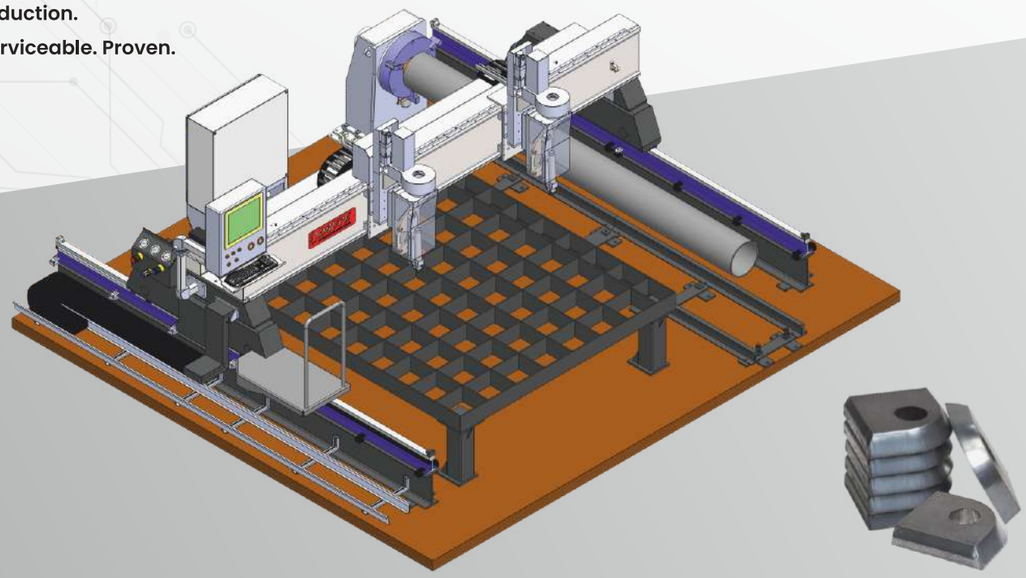
High Quality, Sensible Investment

Through in-house design, optimized manufacturing, and intelligent material selection, Drupe delivers **global-standard build quality at a competitive cost,** ensuringlower total cost of ownership without compromise.

More than a machine—this is a production partner you can depend on.

This is not a light-duty machine it is **built for serious production.**

Reliable. Serviceable. Proven.



DRUPE

Model	TB-300	SEM- Classic	Plube- SEM-Pro
Main Body	Gantry Table	Gantry Bridge with Dual Drive	Gantry Bridge with Dual Drive
Operator Console	Left side / Right Side (Options)	Left side / Right Side (Options)	Left side / Right Side (Options)
Drive Method	Servo gearbox drive	Servo gearbox drive	Servo gearbox drive
Effective Cutting Width (mm)	Starts-1500	Starts-3000	Starts-3000
Effective Cutting Length (mm)	Starts-3500	Starts-6000	Starts-6000
Plasma Power Source	Hypertherm- Thermacut-Kjelberg	Hypertherm- Thermacut-Kjelberg	Hypertherm-Kjelberg
Plasma Solution	Air Cool, Water Cool	Air cool Water Cooled, high difination, Mixed Gases	Water Cooled, high difination, Mixed Gases
Torch Control	1. Plasma. THC 2. Gas. Semi-Auto Gas	1. Plasma. THC 2. Gas. Semi-Auto Gas	1. Plasma. THC 2. Gas. Semi-Auto Gas
Gas Solution	Tanaka (capacity 6-300mm)	Tanaka (capacity 6-300mm)	Tanaka (capacity 6-300mm)
Maximum rapid Speed	8000mm/min,	12000mm/min,	12000mm/min,
CNC Control Systems	GlobalEx-2500	GlobalEx-3000	GlobalEx-5000
Nesting Software	Hypertherm- ProNest LT	Hypertherm- AlmaCam	Hypertherm- AlmaCam

CNC GAS & Plasma Power Source & software

Drupe Cutting Systems Pipe and **Tube Cutting System** for all **Drupe machines**. Offline software provided by Alma CAM 3D pipe and tube profiling, is used to easily create CNC programs for the Drupe Control for both vertical and bevel cutting.

- Dual Drive Servo Motor System
- Flexible Cable Drag chain and Try both axis.
- Auto Ignition
- Auto Torch Height Control
- Touch Screen Controller
- Auto gas Console
- Heavy Duty Gantry Frame for High Speed Cutting
- Heavy Duty Railway Rail
- Precision Racks & Pinion engagement with Spring System arrangement
- Low Backlash Gear box for High Positional Accuracy
- Suitable for High End Plasma System with Compatible Nesting Software and Hardware System

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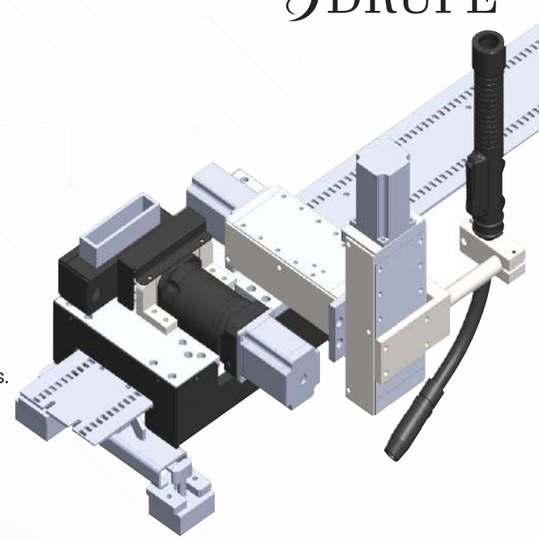
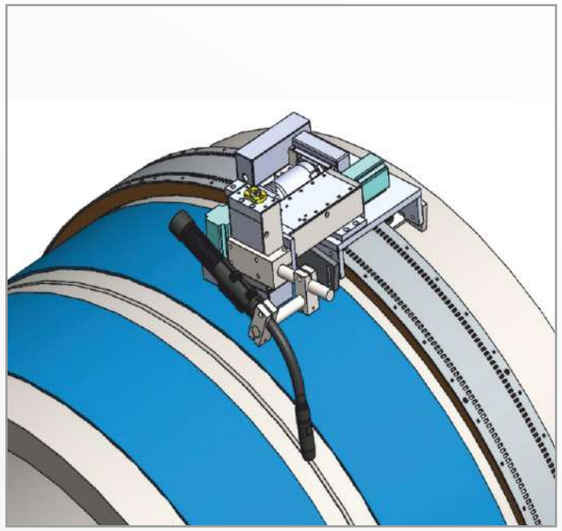
Fusion Flex Track

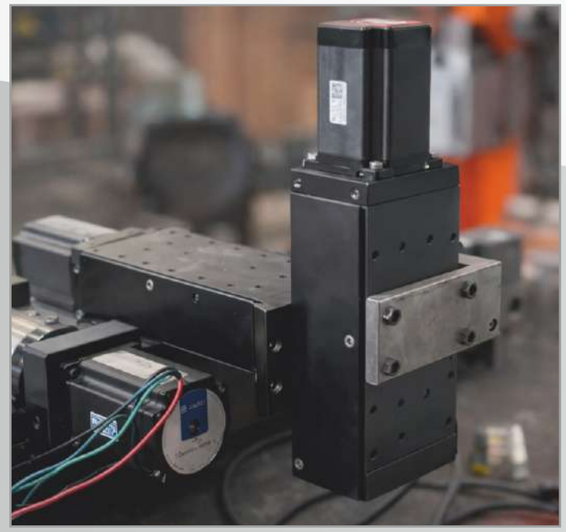
Precision Welding. Maximum Flexibility.

Key Features

- Touchscreen Pendant – simple, intuitive UI control.
- Flexible Track System – straight, curved, or orbital applications.
- Smart Connectivity – USB, Ethernet, and remote control options.
- Torch Oscillation & AVC Options – for precise bead control.
- Quick Setup – modular rails and bridges for fast installation.
- Robust Build – designed for heavy-duty, industrial environments.
- Data Logging – weld reports for quality control.
- Compact & Lightweight – easy to handle and transport.
- Global Compatibility – works with Multi-Brands





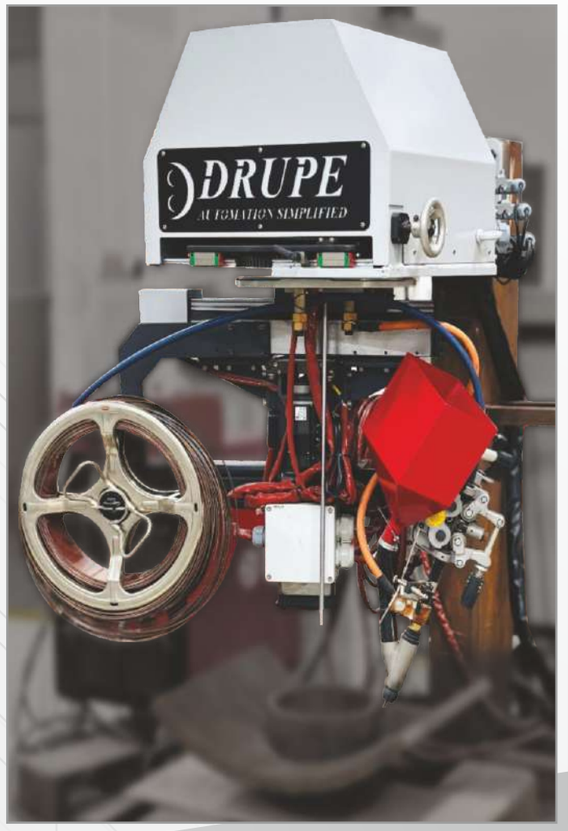


AUTOMATIC NOZZLE WELDER

Every Seam, a Signature of Perfection

Nozzle Welder – Submerged Arc Welding (SAW) System
Engineered Precision | Proven Performance | Optimized Value

Drupe Engineering's Nozzle Welder with SAW is a robust, industry-grade welding automation system designed for accurate, high-quality joining of nozzles on pressure vessels, storage tanks, boilers, and similar cylindrical structures. This system delivers high deposition rates, deep weld penetration, and repeatable, code-compliant results, making it ideal for high-integrity weld joints in critical applications.



General Technical Specs

Specification	Details
Min. shell ID-(mm)	1200 (48") (Without Extension)
Min. shell ID-(mm)	1400 (56") (With Extension)
Max thickness-(mm)	200 (8")
Nozzle OD min-(mm)	100 (4")
Nozzle OD max-(mm)	800 (32") Dia. With extension 1200 (48")
Max Possible Sagita	150 (6")
Teach Pendant	7" HMI Touch Screen

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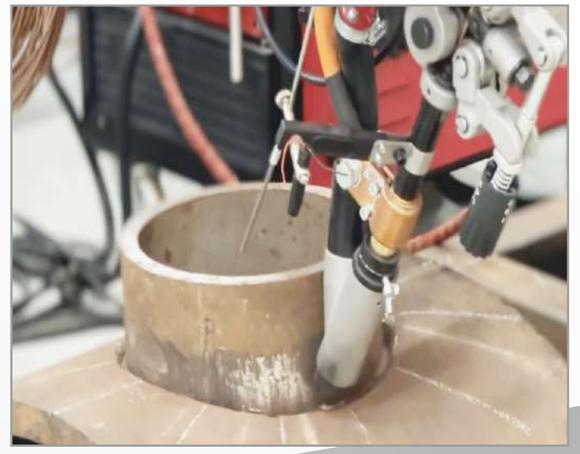
Our Core Competencies

- Advanced PLC, HMI & Motion Control Systems – delivering precise multi-axiscoordination, seamless process control, and real-time responsiveness
- CNC-Based Welding & Cutting Automation – designed for consistency, high throughput, and complex geometries
- Robotic Welding & Handling Solutions – including articulated arm systems for MIG, TIG, and plasma processes, ideal for repetitive or hazardous operations
- Industrial IoT Integration – enabling real-time monitoring, cloud-based analytics, predictive maintenance, and intelligent dashboards
- Custom-Tailored Solutions – engineered to fit unique project needs, across industries such as Oil & Gas, Power, Process Equipment, Structural Fabrication, and Heavy Engineering

Features

- Touch Screen Pendant
- User friendly Controls
- Robust Design
- Smart connectivity
- Stitch welding
- Data logging
- Multi-Brand Power Source
- AVC options



Linear Welding System

We At Drupe have created a product that is the most deliberate evolution of our original founding design. Robust Steel design made with very precisely engineered parts. Our obsession remains to continuously simplify and improve from sculpting Robot Carriage plate out of track. Each refinement serves to bring absolute unity and efficiency to the design. To define truly uninterrupted form, we've developed whole new process to achieve high quality standard. This begins with fabrications of pipes with specialised welding and materials used, removing imperfection establishing a seamlessness material and producing a pristine surface finish. The track then goes to surface treatment which protects it from rusting. Precise machining is done to achieve maximum accuracy levels. When finish Drupe Track is most singular the most evolved representation of this design.

Drupe Tracks Not only extend working area but also expands endless possibilities like accelerations speeds upto 3m/s2 repeatability upto ±0.02mm and industrial leading performance. Our Tracks supports range of robots. Using single robot and Drupe Tracks it greatly utilizes automation process.

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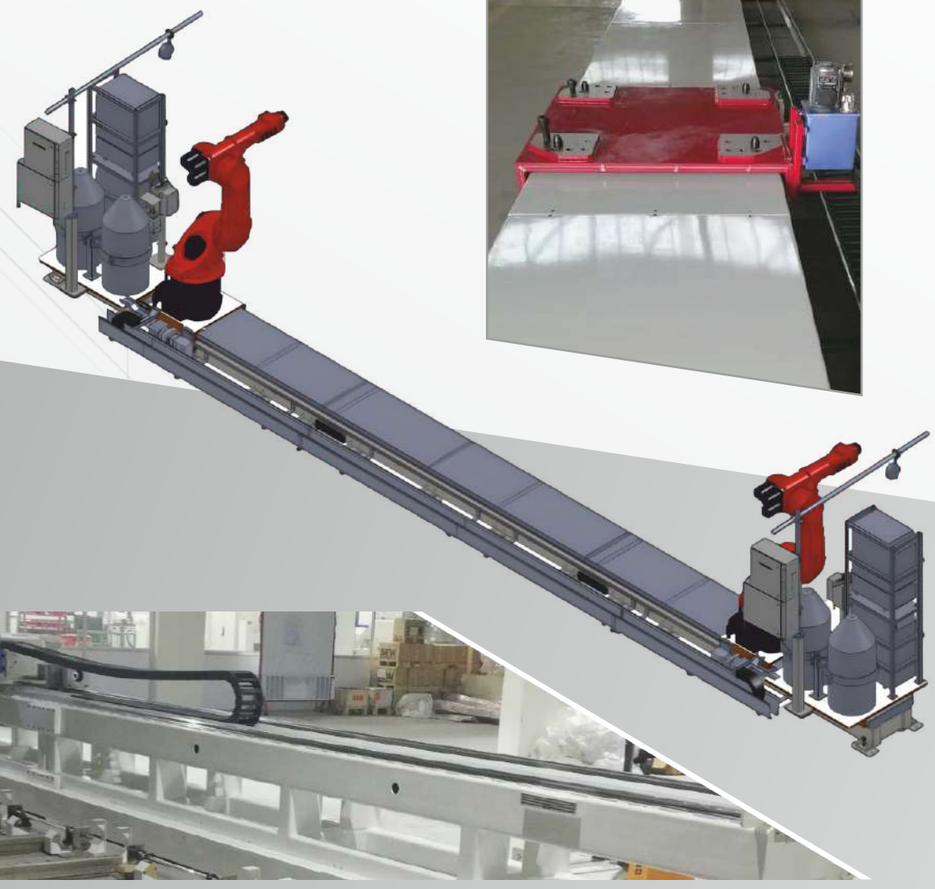
Linear Track

- Imagine a robot that can weld, cut, or assemble with absolute precision.
- Now imagine that same robot is no longer confined to one fixed spot it glides. Effortlessly.
- Smoothly. With the grace of a craftsman who never misses a beat.
- That's what our robotic linear track makes possible.
- **Extended Reach & Coverage:** A robot on a Drupe track can cover large workpieces, multiple stations, or long seams without the need for repositioning.
- One robot can do the job of many, cutting costs and saving valuable floor space.
- **Precision Under Load:** Servo-driven and built with high-rigidity structures, Drupe tracks ensure accuracy even in heavy-duty operations like pressure vessels, PEB structures, or oil & gas fabrication. No compromises, even with loads in tons.
- **Seamless Robot Integration:** Our tracks integrate effortlessly with all major robot brands (Yaskawa, KUKA, Fanuc, ABB, Kawasaki, etc.).
- From software synchronization to mechanical mounting we make the robot + track behave like one system.
- **Future-Proof Productivity:** As your application evolves, Drupe tracks adapt. Need longer travel? More payload? Custom integration? Our modular design grows with your needs.
- **Smart Investment:** Lower lifecycle cost: high durability, minimal maintenance.
- **Faster ROI:** Instead of buying multiple robots, a single robot with a Drupe track multiplies productivity.



Overlay Cladding System - Vertical / Horizontal (Wire & Strip)

Protection is no longer applied. It is engineered.

Corrosion is not an exception. It is a design condition.

Aggressive fluids, sour service, pressure cycles, and temperature extremes quietly attack surfaces from the inside. What fails is rarely the structure it is the interface.

The surface. The layer that stands between uptime and shutdown.

This is why weld overlay has moved from craftsmanship to controlled process.

Complexity changed the rules

- Components are bigger.
- Geometries are harder.
- Expectations are higher.

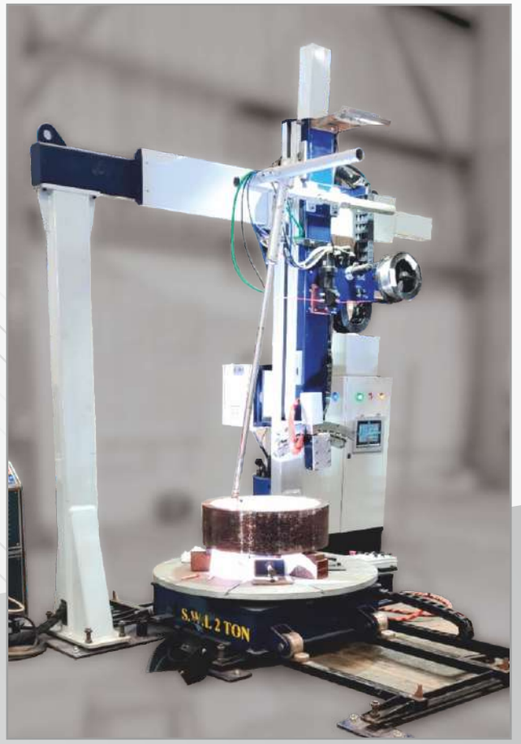
Vertical and horizontal overlay internal diameters, nozzles, shells, pressure vessels—now demand **precision that only electronics can govern.**

Electronics make the critical possible. They turn complex overlay into a repeatable outcome.

Wire or strip is not a preference, It's a response.

- **Wire** when precision matters
- **Strip** when coverage and efficiency matter

The application defines the process. Not the operator.



Designed for what comes next

Our weld overlay systems are built with the future in mind.

A rigid mechanical foundation, paired with **electronics-led control,** enables:

- Controlled heat input
- Stable motion over long weld lengths
- Consistency across critical and complex components
- Readiness for evolving automation and data-driven manufacturing

This is how overlay keeps pace with modern oil & gas demands.

What customers really gain

Not a machine.
A surface they can trust.

- Fewer failures
- Less rework
- Higher-value jobs made possible
- Systems that remain relevant—not replace

Weld overlay, redefined
From manual variability to **engineered certainty.**

Robotic Welding Systems

Built to perform. Built to last. Built for the future of fabrication.

Complete Automation for Heavy & Complex Fabrication

Robotic Welding is no longer the future it is the standard for competitive manufacturing.

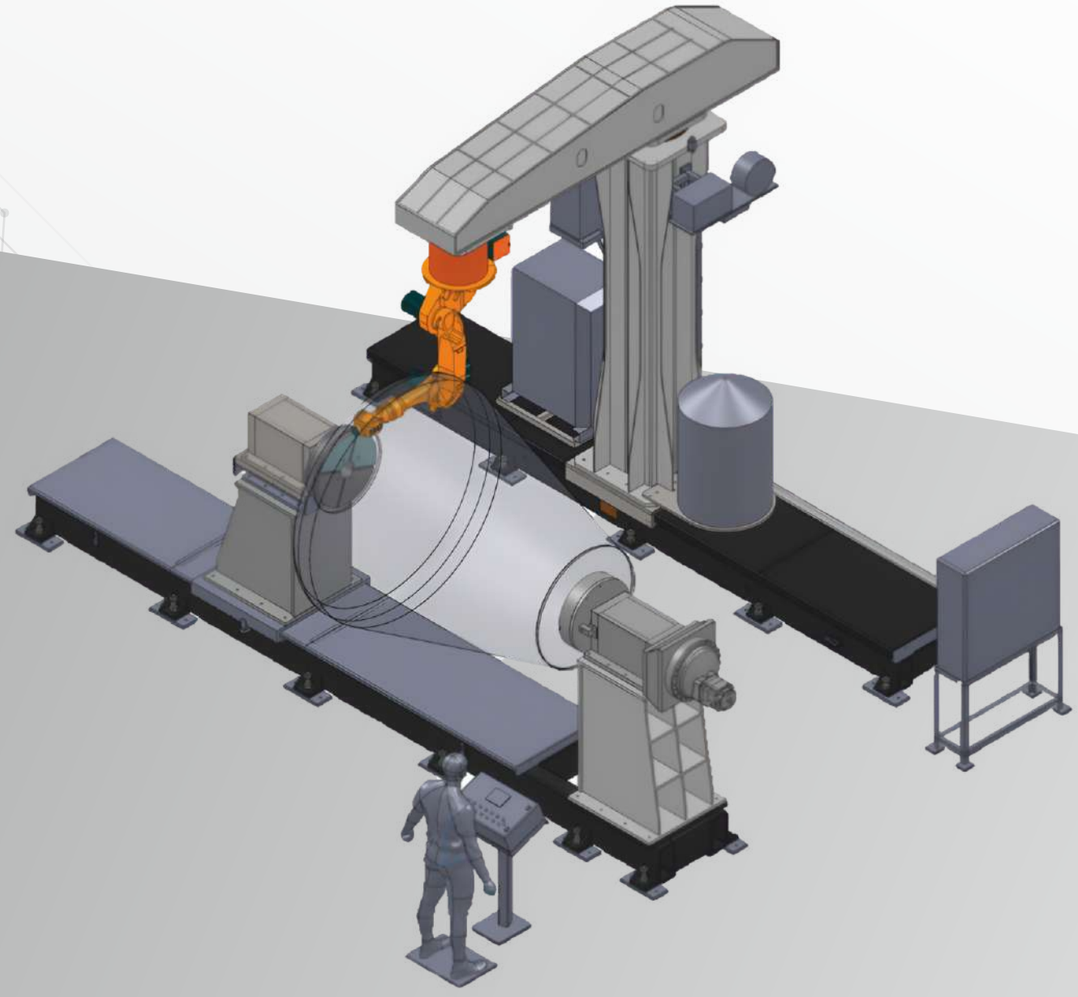
At **Drupe Engineering**, we design and build robotic welding systems that deliver **precision, endurance, and productivity**, even in the most demanding fabrication environments.

More Than a robot
A Complete Welding Solution

Drupe Robotic Welding Systems are delivered as **fully integrated solutions**, including:

- Industrial welding robots
- Linear tracks & servo rails for extended reach
- Gantry systems for large structures
- Positioners, rotators & manipulators
- Advanced welding power sources
- PLC-based control & safety architecture

Every system is engineered to work as **one synchronized unit**.



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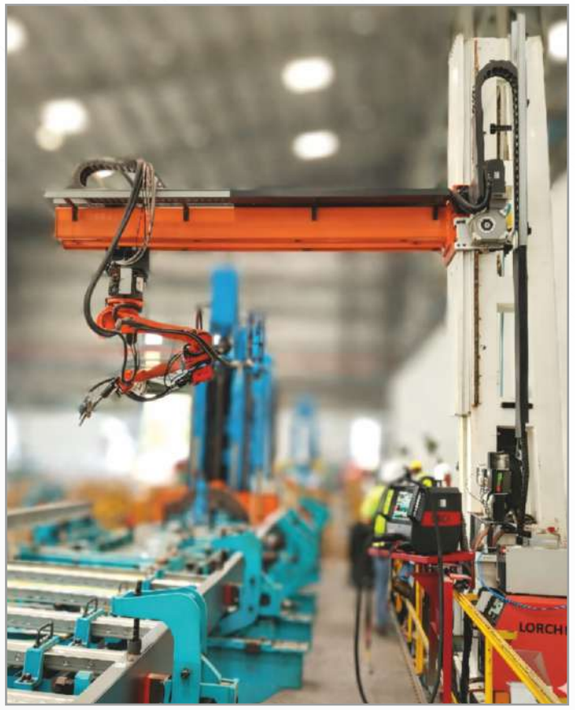
Built for Heavy Structures & Complex Jobs

Ideal for applications such as:

- Structural beams, columns & frames
- Offshore & oil & gas modules
- Pressure vessels & stiffened shells
- Long seam, multi-pass and repetitive welds

Our systems ensure **consistent penetration, repeatable quality, and reduced distortion** job after job.



Engineered to Last

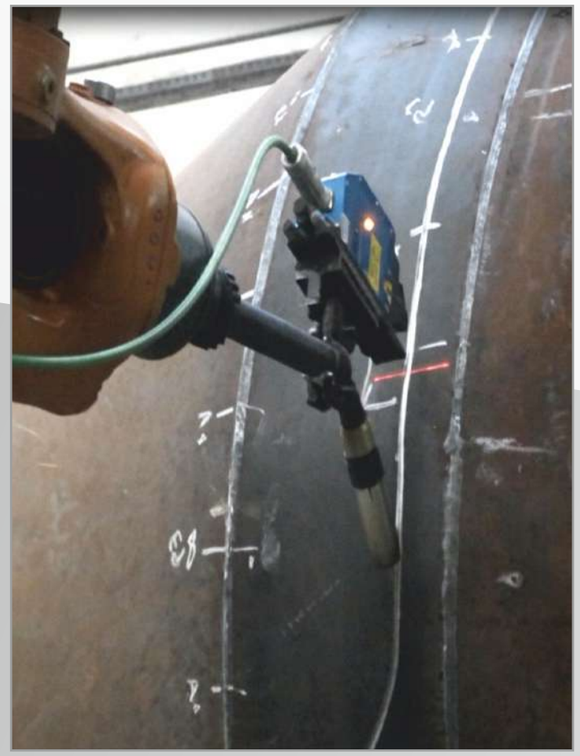
While optimized for **low total cost of ownership**, Drupe systems use:

- Precision-machined steel structures
- High-quality linear motion components
- Industrial-grade motors, drives & electronics
- Internationally proven electrical and control hardware

Designed for **continuous duty cycles** and long-term reliability.

Our Promise

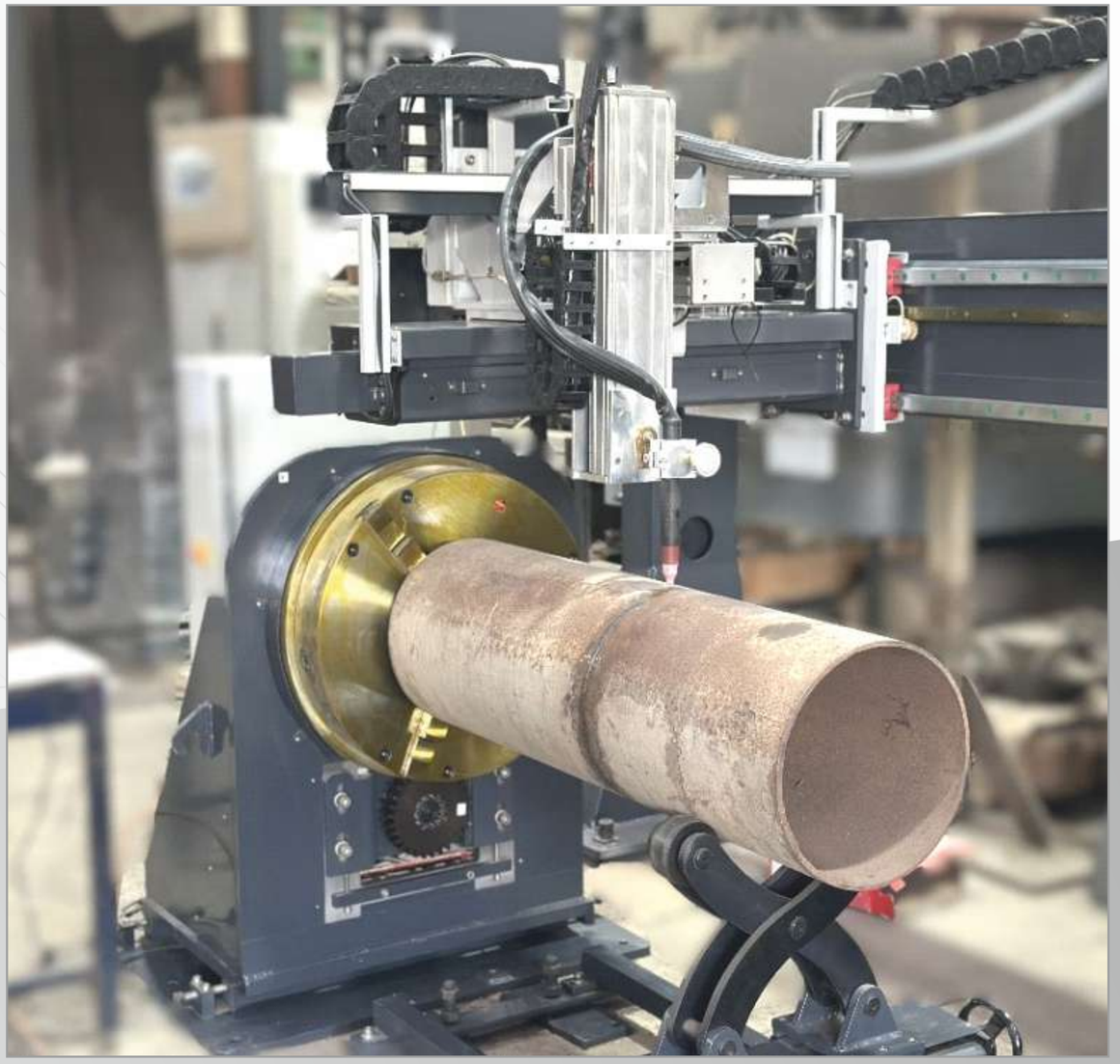
We **engineer production capability** from concept and simulation to commissioning and job proving.



Welding SPM Heavy-Welding Station

Special Purpose Solution

- Drupe Advanced controls enhances precision, efficiency, and automation in manufacturing processes
- Voltage, current, speed, and arc stability can be precisely controlled and monitored in real-time, ensuring consistent weld quality.
- Seamless integration with welding systems, sensors, and human-machine interfaces (HMIs), allowing for automated adjustments and fault detection.
- Advanced control algorithms, manufacturers can optimize welding cycles, reduce defects, and improve productivity.
- Operator safety.
- Intelligent automation minimizes human error, enhances repeatability, and supports Industry



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Features

- Touch Screen Pendant
- User friendly Controls
- Robust Design
- Flexible Track
- Smart connectivity
- Stitch welding
- Data logging
- AVC options
- Multi-Brand Power Source
- Easy Installation
- GTAW SAW in Single machine

Model	DC-250	DC-500	DC-1200	DC-1500
Effective Working Length (mm)	1000	2000	3000	5000
Part weight capacity (Kg)	500	1000	1,500	2,000
Part diameter (mm)	250	500	1200	1,500
Part length (mm)	600 ~ 3,000	600 ~ 3,000	600 ~ 6,000	1,200 ~ 6,000
Idler Support (Nos.)	2	3	3	Custom
Chuck capacity Ø (Dia.)	50-250	50-500	100-1200	300-1500
Rotation speed (mm/min)	10-500	10-500	10-500	10-500

Customization available on request.

Accessories for Welding & Cutting

Welding Automation That Starts Small — And Changes Everything
Start small. See the change. Scale with confidence.

Automation does not always begin with robots or large capital investments.
In most successful factories, it begins with **one smart upgrade** a simple accessory that delivers visible improvement on the shop floor.

At **Drupe Engineering**, we design welding automation accessories that help manufacturers take their **first confident step into automation** without disrupting existing workflows or budgets.

Built for Today's Factories

Across oil & gas fabrication, pressure vessels, structural steel, PEB manufacturing, shipbuilding, and heavy engineering, the challenge is clear:

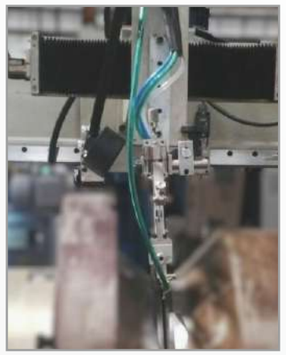
❯ Skilled manpower is under pressure ❯ Consistency is difficult to maintain

❯ Productivity must improve without complexity ❯ Our welding accessories are designed exactly for this reality.

They work with **existing welding setups**, adapt to **real shop-floor conditions**, and deliver **immediate, measurable results.**

Our Welding Automation Accessories



Why Customers Start Here

Many of our customers begin with a single accessory.
What they gain is more than productivity:

❯ Better weld quality ❯ Higher repeatability

❯ Reduced operator fatigue

❯ Increased confidence in automation

Once results are proven on the shop floor, the mindset changes.

Automation no longer feels like a risk—it feels like the next logical step.

A Natural Path to Bigger Automation

Our accessories are designed to be future-ready.

They integrate seamlessly into mechanized systems, custom automation, and eventually robotic welding solutions—when the time is right.

This step-by-step approach allows factories to:

❯ Start small ❯ Learn fast ❯ Scale safely

Engineered to Last. Priced to Adopt

Inspired by global automation our accessories follow a clear philosophy:

❯ International-grade materials

❯ Precision-machined components

❯ Rugged, service-friendly construction

❯ Long operational life with minimal maintenance

We control cost intelligently **never at the expense of reliability.**

Our Belief

Automation should not intimidate manufacturers.
It should earn their trust.

At Drupe, we build welding automation accessories that quietly improve production today and prepare factories for the automation of tomorrow.

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Laser Seam Tracking & Seam Finding System For Robotic & SPM Welding Applications

Ensure accurate, consistent welding with our Laser Seam Tracking / Seam Finding System, designed for robotic welding cells and Special Purpose Machines (SPMs). The system detects the actual weld joint in real time and continuously corrects the welding path, compensating for part misalignment, joint variation, and distortion.

Key Features

❯ Real-time seam tracking during welding

❯ Seam finding before weld start

❯ Supports Butt, V-groove, Fillet, Lap & Corner joints

❯ Rugged design for arc light, spatter & fumes

❯ Easy integration with robots and PLC-based SPMs


Advantages

❯ Improved weld quality & bead consistency

❯ Reduced rework, scrap, and manual intervention

❯ Handles joint gap, mismatch, and fit-up variations

❯ Higher productivity with faster welding speeds

❯ Reduced fixturing and setup time

Applications

Robotic MIG / TIG / SAW welding, pipe welding, structural fabrication, automotive and heavy engineering.

Laser Seam Tracking System
Smarter automation. Reliable weld quality.