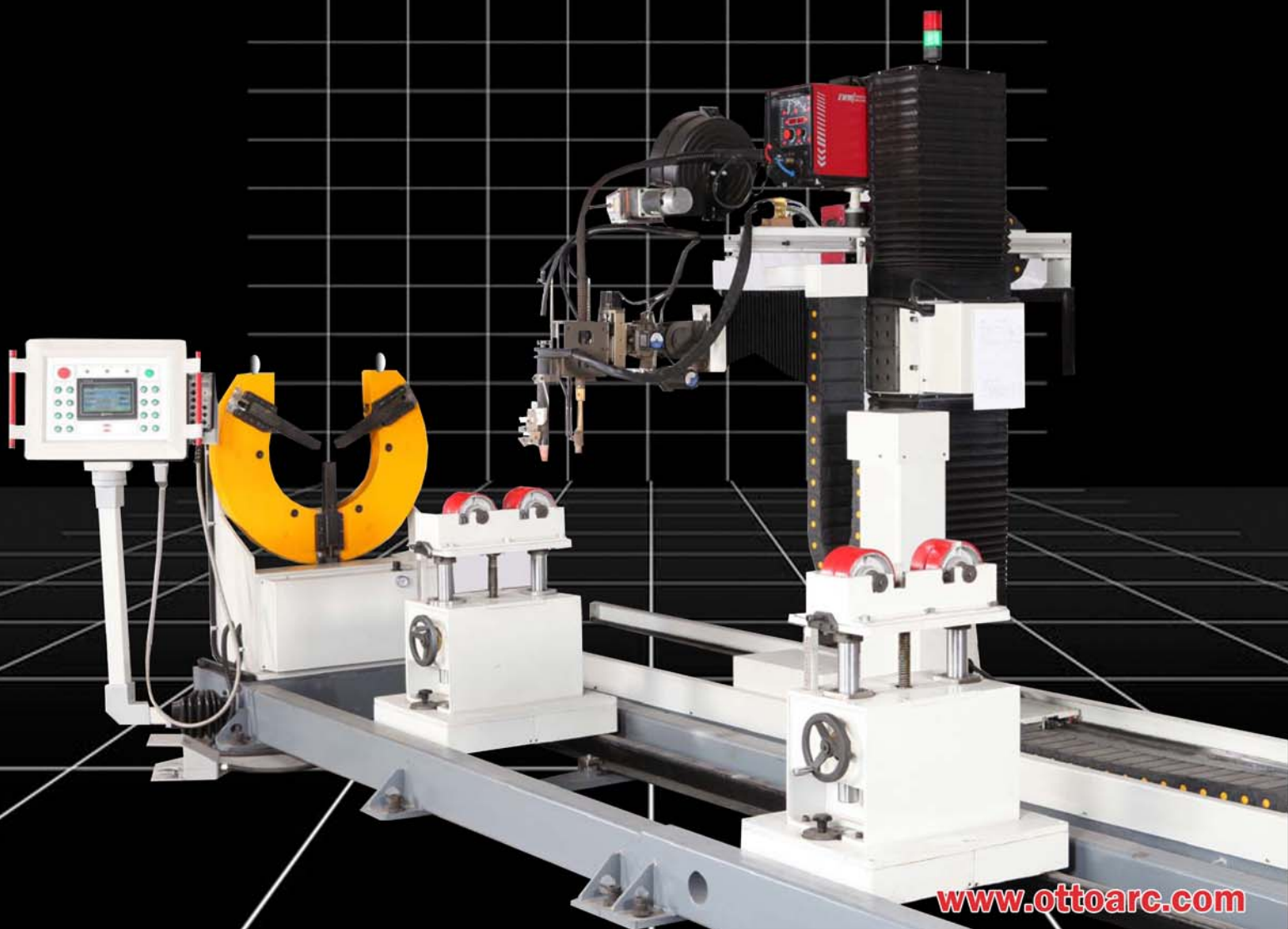




OTTO ARC SYSTEMS, INC.

SINCE 1988

PIPE WELDING SYSTEMS



SPECIALIZNG IN PIPE WELDING SYSTEMS & FIXTURES



OTTO ARC

INTRODUCTION

Otto Arc Systems, Inc., formerly Otto Tool, has been in business for over 27 yrs. We have provided Beveling and Facing Equipment since the day we opened our doors and have been expanding our product lines ever since. Over the last three years we have added numerous lines of products to help assist with your project requirements.

Our high performance line of pipe systems and accessories has also grown over the past couple of years. Our pipe systems are designed to offer our clients highly increased productivity helping to save them time and labor costs.

This new catalog will present how our company has grown over the years and the wide array of products we have to offer. Along with this current product catalog we have added two more catalogs showing our auxiliary welding product line and pipe / plate cutting systems.

We are always attentive to new market trends and believe that feedback from our customers has placed our company on the map. We assist our clients by listening to their needs and then delivering the best options, service and products available for their business. At Otto Arc we are always making sure our clients are well taken care of - that is our first priority.

Thank you for your time and consideration; please do not hesitate to contact us with any questions you may have.

Sincerely,

A handwritten signature in black ink, appearing to read "Alan Avis".

Alan Avis
President, Otto Arc Systems, Inc.

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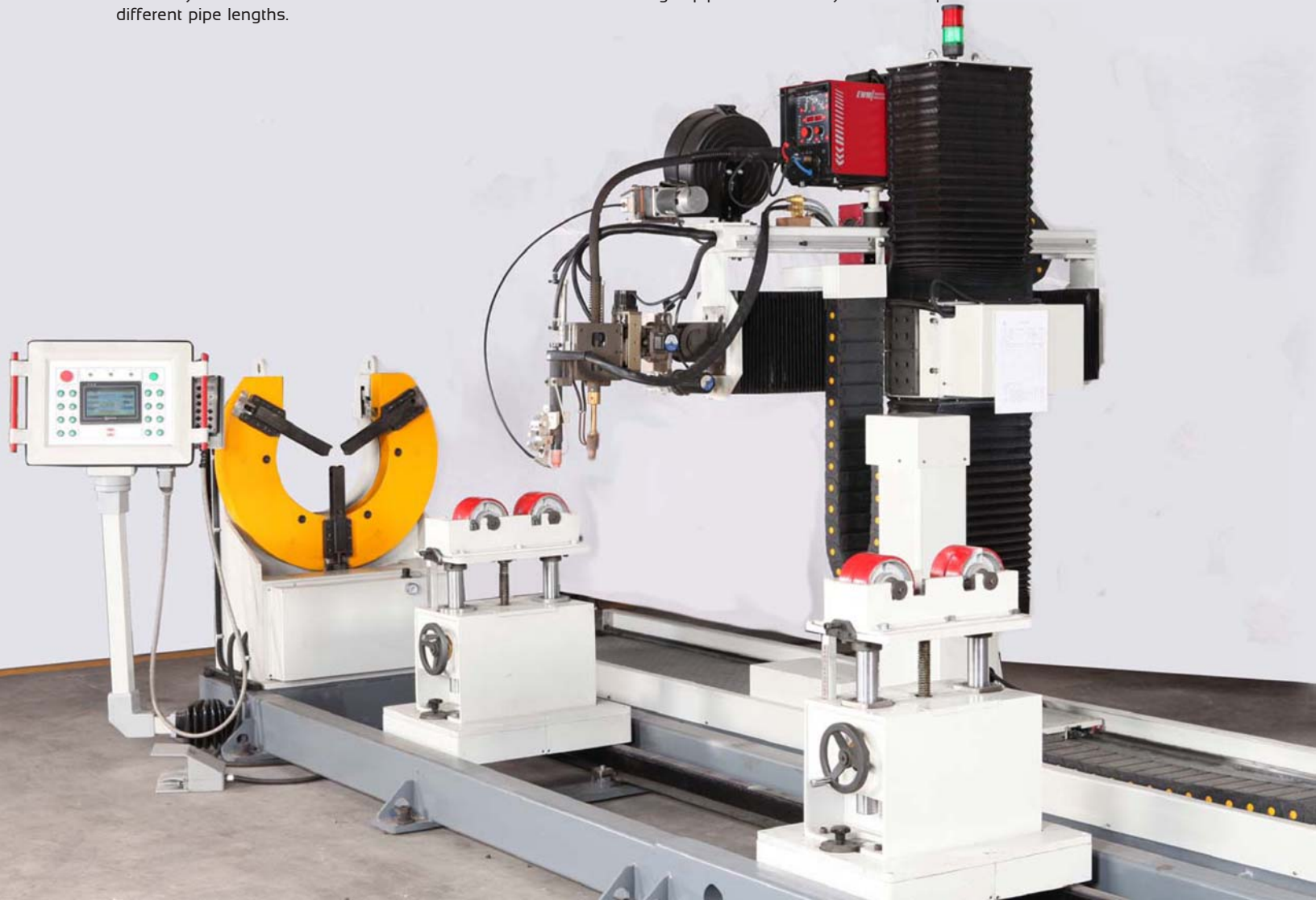
CONTACT US!

For other power requirements, quotes or questions please contact us at 1-800-878-BITS (2487)

The ARC-PS-1000 is a state of the art high-production welding system. Allowing the operator to switch welding processes from TIG to MIG/MAG or SAW with a simple flip of the switch, allowing for a TIG root pass and MIG/MAG or SAW filler and cap all at the same welding station. Optional Hot Wire TIG is also available.

Our patented Open Head Stock technology is available in manual or automatic clamping. The Open Headstock design allows for welding and easy removal of pipe with fittings on both ends.

Adjustable rollers allow for easy centering of all pipe sizes within the range of the open head stock (see page 4 for ranges of different models). The rail system the rollers are mounted on assures consistent centering of pipe and can easily be moved up and down the rail to accommodate different pipe lengths.



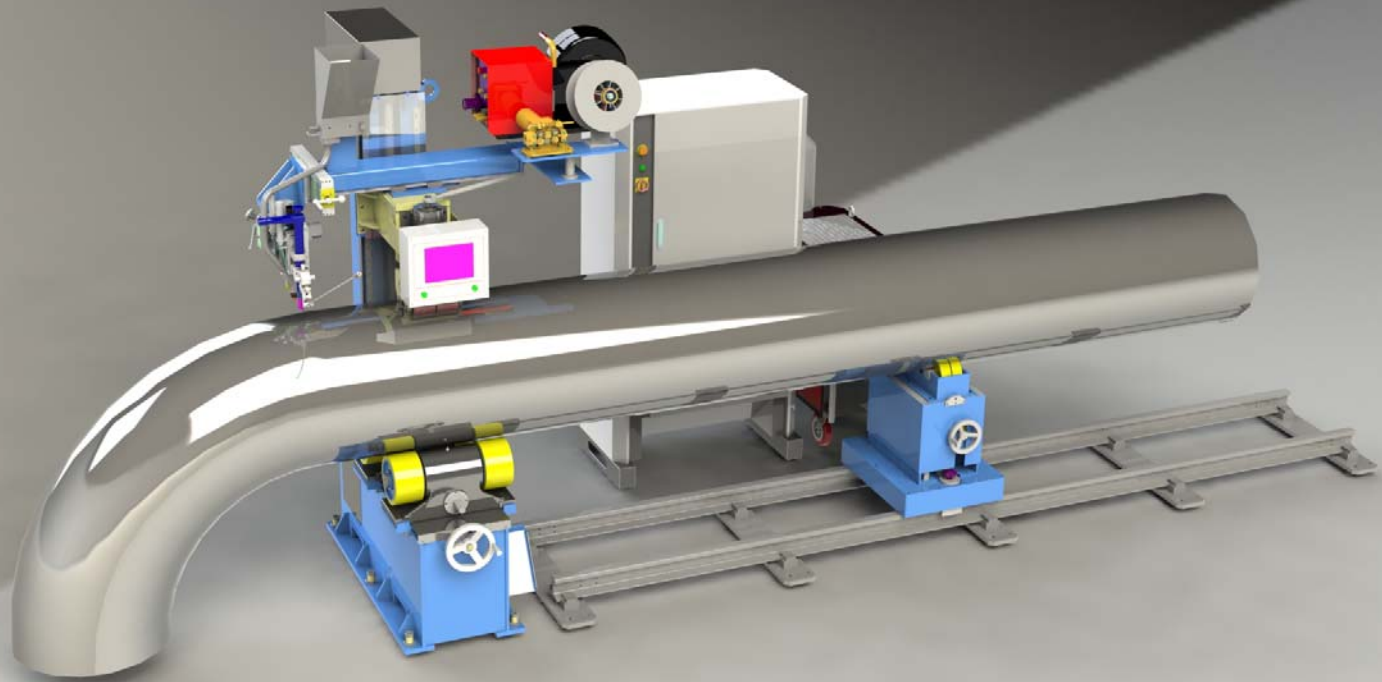
ADVANTAGES / TECHNICAL

- Suitable for pipe-to-pipe and all fittings
- Performs multiple welding processes at the same station
- Available welding Processes: TIG, MIG/MAG, SAW and optional Hot Wire TIG
- Easy switching between welding processes
- Welding torches are mounted on adjustable column and boom (mechanized or manual)
- Welding torches are adjustable for different angles for different welding processes
- Can weld both sides of slip-on flanges due to adjustable torch angles
- Operator friendly
- Touch screen controller
- Remote pendant
- Arc voltage control and oscillation
- 480V, 50 to 60 Hertz



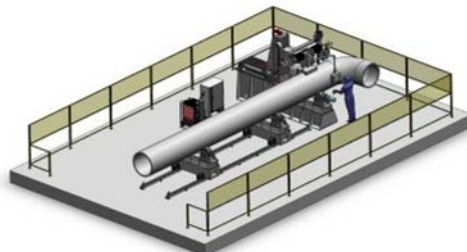
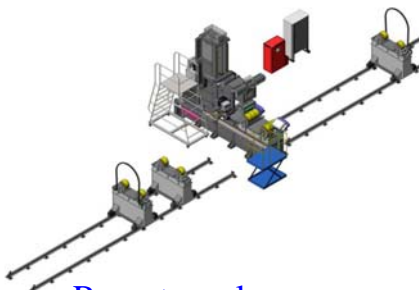
Rometec srl - www.rometec.it - info@rometec.it - Rometec srl - www.rometec.it - info@rometec.it
(TIG/MIG/MAG/SAW and OPTIONAL HOT WIRE)

ARC-3R-2-24 is an economical automated pipe welding station that is primarily designed for MIG/MAG or SAW welding, but can be used for TIG welding as well (optional hot wire available). Its range is from 2" to 24" pipe and uses a three roller station for clamping the pipe in place. The rail system with support rollers assures proper alignment and easy adjustment for different pipe lengths. Column and boom allow for quick and easy height adjustment of welding torches.



ADVANTAGES / TECHNICAL

- Range 2" to 24" pipe
- Suitable for pipe-to-pipe and all fittings
- Performs multiple welding processes at the same station
- Available welding Processes: TIG, MIG/MAG, SAW and optional Hot Wire TIG
- Easy switching between welding processes
- Welding torches are mounted on adjustable column and boom (mechanized or manual)
- Welding torches are adjustable for different angles for different welding processes
- Operator friendly
- Touch screen controller
- Economical welding system
- Arc voltage control and oscillation
- 480V, 50 to 60 Hertz



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The Arc Pipe-Fit-800 is a high production economical welding station primarily designed for short pipes with fittings. These units are custom made and include a positioner, column and boom for the welding torch and a welding torch plus a single process power supply. Positioners come in a variety of sizes and configurations such as tilting or hydraulic lift for adjustable heights to accommodate large fittings or elbows.

ADVANTAGES / TECHNICAL

- Very easy to operate
- MIG/MAG, TIG
- Economical
- Produces high quality welds
- High production
- Extremely Repeatable Results



These patented pipe rotating headstocks are the heart of our pipe welding stations. The Open Headstock allows for easy loading and removal of pipes with fittings on both ends. No longer will you have to manually weld one end of the pipe because you could not load it in a standard positioner. Comes with automatic or manual clamping capabilities and is always centered. We cover a range from 4" pipe to 30" pipe with the models listed below.

ADVANTAGES / TECHNICAL

- Easy loading and unloading of material due to open design
- No axial jumping during rotation
- No radial jumping during rotation
- Three jaw clamping, automatic centering motor drives
- AC Servo Motor with speed adjustment
- Gear and Sprocket drive for high transmission and large loading



OHS SERIES				
Model Number	OHS-370	OHS-500	OHS-630	OHS-760
Rotation Speed (Servo Control) r/min	4.3	3.5	2	2.26
Maximum Torque	2900	7000	20000	20000
Welding Diameter (in / mm)	4.5 - 14.5" (114 - 370 mm)	8.6 - 20" (219 - 500 mm)	2.3 - 25" (60 - 630mm)	8.6 - 30" (219 - 760mm)
Payload (lbs./kg)	2900 lbs. (1300 kg)	6,600 lbs. (3000 kg)	11,000 lbs. (5000 kg)	11,000 lbs. (5000 kg)
Motor Power (kw)	1.3	3	4.4	4.4
Center Rotation Height (in / mm)	30" (780 mm)	37" (950 mm)	46.8" (1190 mm)	50" (1280 mm)
Clamp Method	Motor-Drive	Motor-Drive	Servo Motor-Drive	Manual
Dimensions (in)	30.5" x 19.68" x 44.7"	39" x 25" x 56"	69" x 47.25" x 76.5"	82.6" x 43" x 84.25"
Dimensions (mm)	7740 x 500 x 1135	1000 x 630 x 1420	1750 x 1200 x 1945	2100 x 1090 x 2140

Individual Pressing Rollers

Our three point press rollers are used to rotate pipes during the welding process. They consist of two adjustable support rollers on the bottom which are motorized and one pressing roller on the top (non motorized). The top pressing roller can be adjusted up and down by a motorized bar screw to adjust for different pipe sizes within the range of 2" to 24". This system is suitable for welding pipe to all fittings and can be integrated with our pipe support rollers (shown below) for longer pipe lengths.

ADVANTAGES / TECHNICAL

- Multiple welding processes available such as: hot and cold wire TIG, MAG, SAW and narrow space TIG/SAW etc.
- Easy to operate, does not require intensive training or labor
- Welds at the highest efficiency, no high welding skills needed to use
- Convenient for material loading and unloading
- Configuration is simple, yet very cost effective
- Used for fillet, filling and cap welds
- Can also perform pipe-to-pipe, pipe-to-flange, pipe-to-elbow, pipe-to-dish and pipe-to-tee welds



PRESSING ROLLERS		
Model Number	PR24 (Tilting)	PR24 (Fixed)
Suitable Diameter (in / mm)	2 - 24" (50.8 - 610 mm)	2 - 24" (50.8 - 610 mm)
Roller Liner Speed (in / mm)	3 - 30" in/min (76 - 760 mm/min)	3 - 30" in/min (76 - 760 mm/min)
Roller Lifting Speed (in / mm)	43 in/min (1100 mm/min)	43 in/min (1100 mm/min)
Max. Payload (lbs./kg)	11,000lbs (5000kg)	11,000lbs (5000kg)
Tilting Angle	±60°	0°
Turn Swing Speed	0.42r/min	0°

Pipe Support Rollers

ADVANTAGES / TECHNICAL

- Steel ruler indicates accurate height adjustment
- Flexible moving on the ground or guide rail
- Stable support, safe, reliable and double column guide
- Non-iron rollers prevents carbon pollution and friction of elliptical pipes

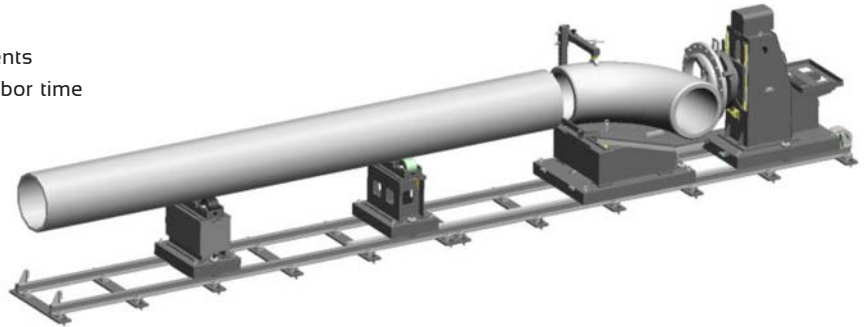


PIPE SUPPORT ROLLERS					
Model Number	A1	A2	B1	B2	C
Diameter (in / mm)	2 - 14" (50.8 - 355.6 mm)	2 - 14" (50.8 - 355.6 mm)	6 - 30" (152.4 - 762 mm)	6 - 30" (152.4 - 762 mm)	6 - 30" (152.4 - 762 mm)
Payload	1 Ton	1 Ton	3 Ton	3 Ton	3 Ton
Lifting	Manual	Manual	Manual	Manual	Motorized
Life Stroke (in / mm)	11" (280 mm)	11" (280 mm)	11.8" (300 mm)	11.8" (300 mm)	11.8" (300 mm)
Carbon Steel, Stainless Steel and Alloy Steel					
Moving Method	Ground wheel, manual	Guide rail, manual	Ground wheel, manual	Guide rail, manual	Guide rail, manual

If you are a fabrication shop owner this tool is a must have. Fast, easy, accurate fit-ups save you man-hours. This unit consists of a rail system and rollers for alignment of the pipe, an adjustable table for fittings such as elbows, tees which rotate to the angles you need, and a positioner for proper alignment of slip-on and weld neck flanges. This allows you to accurately square the face as well as achieve the proper bolt hole pattern.

ADVANTAGES / TECHNICAL

- Achieve fast "fit-up" of straight pipe-to-flange, elbow and tees
- Helps improve the quality and efficiency of the "fit-up"
- Reduces labor intensive details
- Can be ordered single-ended or double-ended
- Fit-up can be ordered per customer requirements
- Reduces the need for a overhead crane and labor time
- Safer labor process, reduces accidents

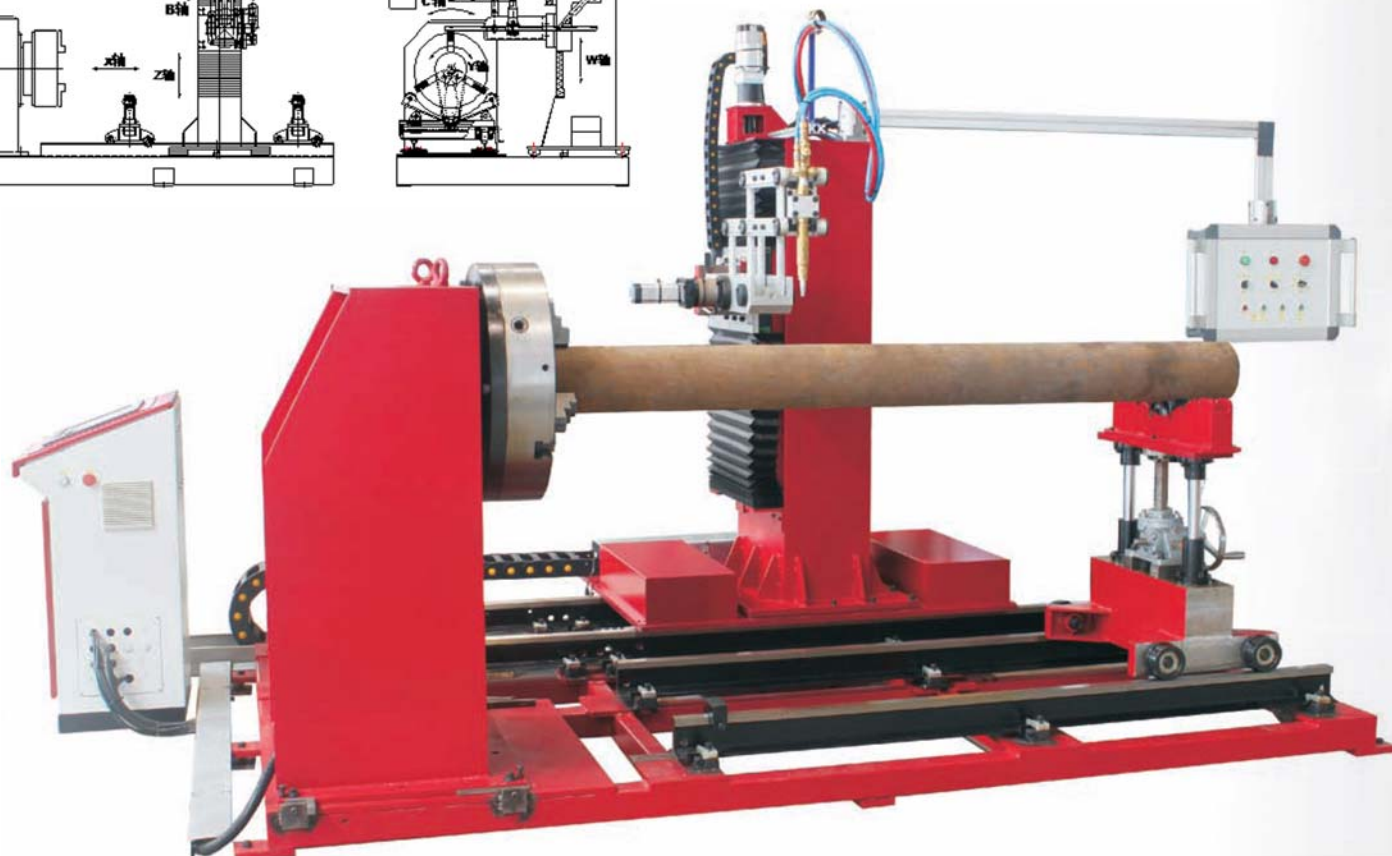
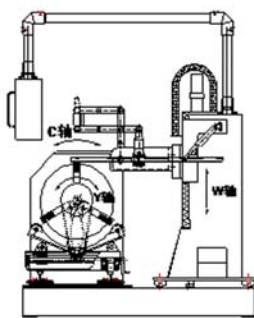
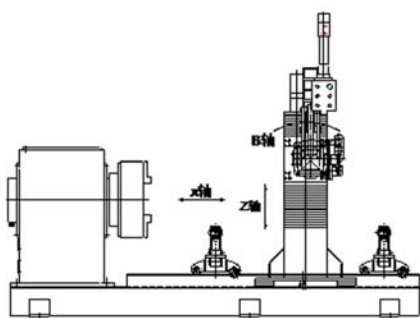


FIT-UP STATION					
Model Number	Suitable Diameter	Supporter	For Flange	For Fittings	Payload
FIT-UP 14 (in / mm)	2 - 14" (50.8 - 355.6mm)	2	<ul style="list-style-type: none"> • Manual lift/down • Manual FWD/BWD • Manual left/right • Manual Clamp 	<ul style="list-style-type: none"> Manual lift/down Manual left/right Manual rotate 	3 Ton
FIT-UP 24 (in / mm)	8 - 24" (203.2 - 609.6mm)	2	<ul style="list-style-type: none"> • Manual lift/down • Manual FWD/BWD • Manual left/right • Manual Clamp 	<ul style="list-style-type: none"> Manual lift/down Manual left/right Manual rotate Manual FWD/BWD fine adjust 	3 Ton

ProCut Flame & Plasma Pipe Cutting & Profiling Machine 3 Axis or 2-6 Axis

This system is used for steel and/or nonferrous pipe requirements. It can perform intersections, profile edge positioning, elbows and automatic calculations and cutting. It is mainly used for cutting structural pipeline components used in construction, chemical engineering, ship building, construction machinery, metallurgy, electric power industries and more.

Cutting & Profiling Machine	
Axis	3 Axis or 2-6 Axis
OD (in / mm)	2"- 59" / 50 - 1500mm
Machine Length (in / mm)	78.75"- 708" / 2,000 - 18,000mm
Thickness (in / mm)	0.19"- 2.7" / 5 - 60mm
Max. Payload (lbs. / kg)	17,636 lbs. / 8,000KG
Torch	Plasma / Oxy-fuel
Cutting Speed (in / mm)	3"- 98.5" / 80 - 2,500mm/min
Idle Speed (feet / mm)	0 - 32.8 Feet / 0-10,000mm/min
Cutting Method	Plasma / Oxy-fuel
Bevel	V/Y $\pm 45^\circ$ Plasma $\pm 60^\circ$ Oxy-fuel
Bevel Standard	AWS / fixed bevel / adjustable bevel



WE CAN CUSTOMIZE PER YOUR SPECS!



Example of 2" - 14" Pipe Production Line



Example of 8" - 24" Pipe Production Line



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