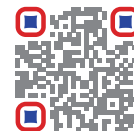


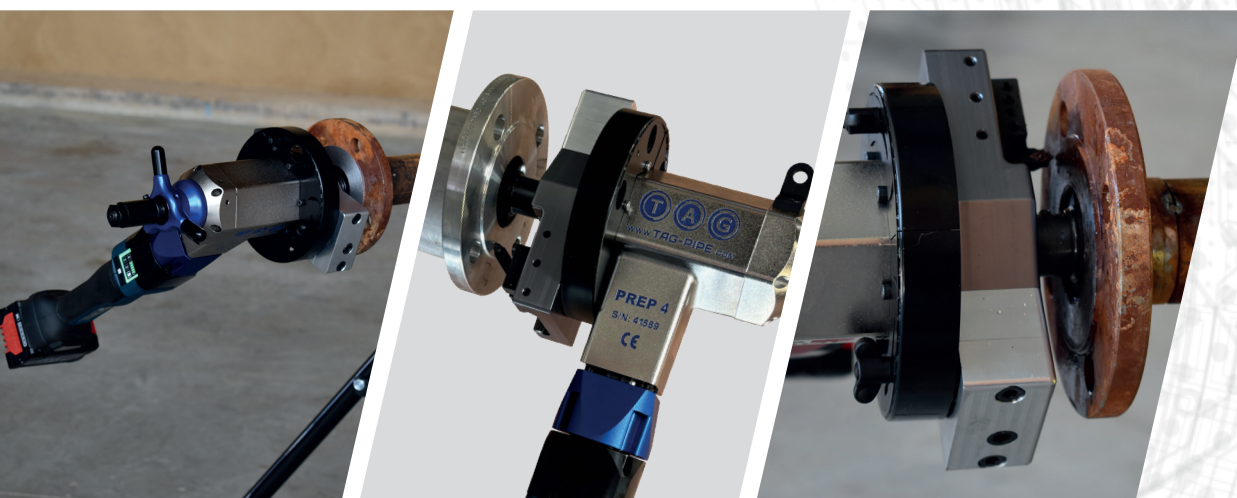
PREP 4 PORTABLE FLANGE FACING MACHINE / ACCESSORY



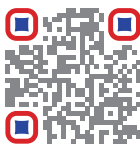
I/D facing diameter: 1.18 - 7" / 30 - 180 mm

I/D clamping range: 1 - 4" / 23 - 112 mm

New!



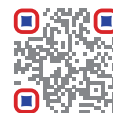
SCAN QR CODE
TO WATCH VIDEO



PIPE EQUIPMENT SPECIALISTS
AN S&S GROUP BRAND

PRODUCT BROCHURE

www.TAG-PIPE.COM



The **Specialized Fabrication Equipment Group** (in short: **S.F.E. Group**) was founded in 2019 after the merger of three world leading OEM's in the field of pipe fabrication tooling and machinery: B&B Pipe and Industrial Tools LLC (USA), Mathey Dearman Inc. (USA) and TAG Pipe Equipment Specialists (UK). In a time span of 5 years, another 4 renowned and market leading companies were acquired and added to the **S.F.E. Group** portfolio: Axxair (France, 2022), Magnatech (USA, 2023), Climax (USA, 2023) and Sumner (USA, 2025).

The vision and philosophy of the **S.F.E. Group** is to offer globally a comprehensive innovative and cost-effective range of specialized fabrication, welding and machining equipment and derived rental solutions, for a wide range of applications within all critical industries, while optimizing performance, efficiency and safety.

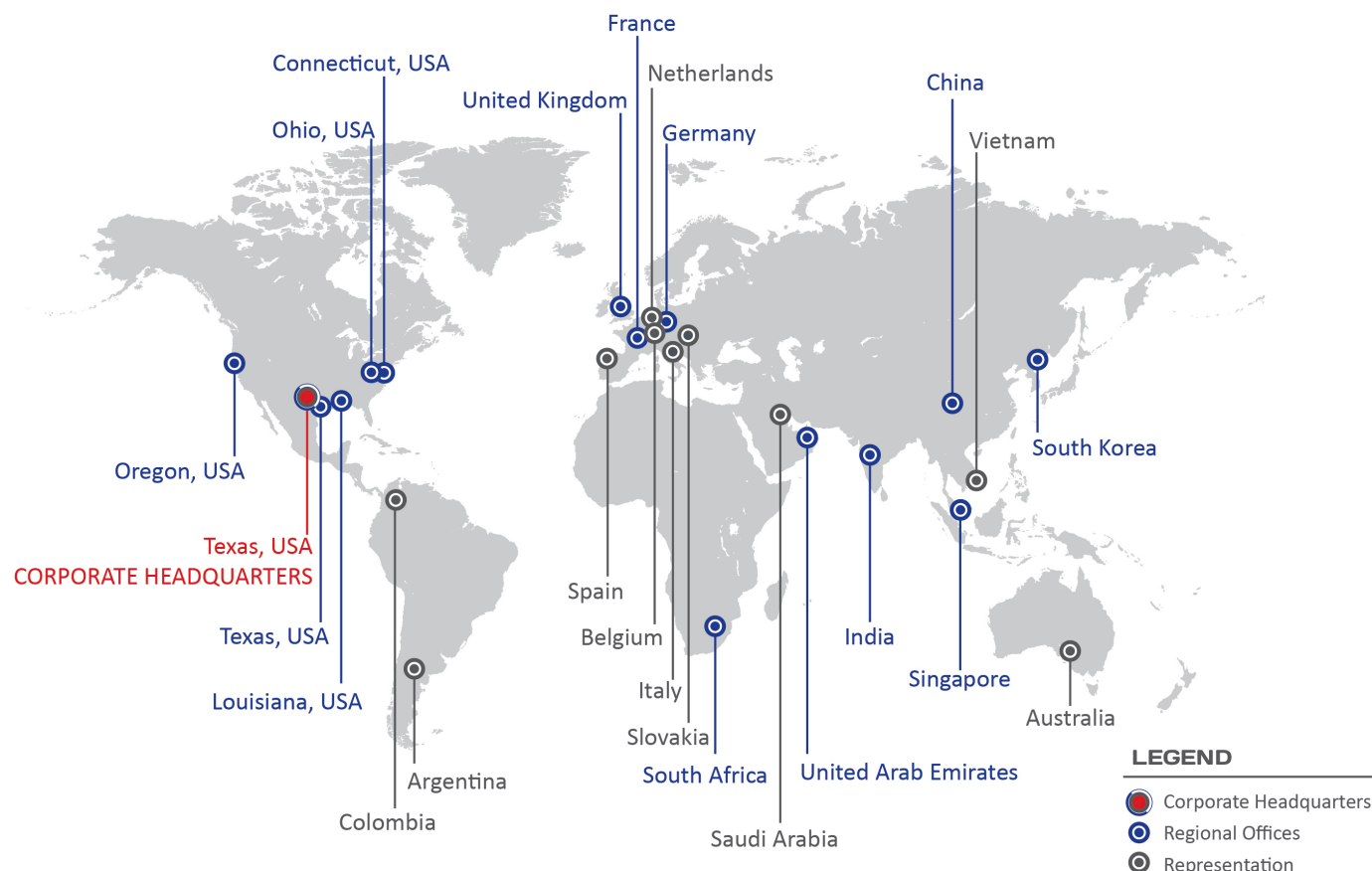
Leveraging over 200 years of combined experience in engineering, manufacturing, and field applications, the **S.F.E. Group** is committed to driving innovation. Through continuous product development and strategic acquisitions, the **S.F.E. Group** is actively growing its portfolio and expanding its global presence to meet the demands of industries around the world. Currently, the **S.F.E. Group** consists of 12 complimentary brands, each supporting the others in delivering cutting-edge solutions.

With offices and warehousing on 5 continents, 400+ employees and more than 500 partnerships and distributors worldwide, **S.F.E. Group** prides itself on consistently offering the highest standards of both product quality and service locally to all its customers.

S.F.E. Group looks forward to welcoming you into its global network as a partner, distributor or end user customer and remains at your disposal at any time.

Contact International: sales-int@sfe-brands.com

S.F.E. GROUP GLOBAL PRESENCE





The S.F.E. Group's brand **TAG Pipe Equipment Specialists LTD** (in short: **TAG PIPE**) has its roots in the 1980's in the United Kingdom with the manufacturing and supplying of pipework fabrication tools and machinery. Over the years TAG PIPE became internationally one of the foremost leaders in its field, and today S.F.E. Group's unrivalled **TAG PIPE** range of cold cutting and bevelling machines is established and recognized as a world class leading brand.

Backed by more than 40 years of development, **TAG PIPE** not only offers the highest quality heavy duty machines utilizing the latest technology, but also stands for an emphasis on continuous R&D and tailor made solutions. S.F.E. Group prides itself being renowned for its innovations, ground-breaking developments and patented designs within the **TAG PIPE** range. With its engineering capabilities, customer-oriented focus and flexibility, the **TAG PIPE** brand provides the possibility to design out-of-the-box machining applications and solutions to fulfil customers' projects' specific needs in particular, and to cater for an ever-evolving industry in general.

The **TAG PIPE** brand portfolio consists of a complete range of portable pipe bevel machines (PREP machines covering 1 - 24"), the **TAG PIPE** cutting and bevelling splitframe clamshell machines (1 - 120"), as well as the stationary, yet moveable E-Z FAB machines (2 - 16") for pipe cutting and bevelling, and finally the PMM plate bevel machines.

TAG PIPE machines are always nearby available within the S.F.E. Group global network and can be consulted on the dedicated website: www.TAG-PIPE.com.

INDUSTRIES SERVED



OUR BRANDS

CLIMAX



H&S TOOL

MATHEY DEARMAN

AXXAIR

MAGNATECH

B&B SUMNER

CALDER

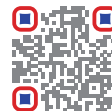
BORTECH

PPM PIPE PURGE MASTERS

FIT-UP PRO

SUMNER MATERIAL LIFTS

Our group policy is one of continuous improvements and acquisitions. Products and data tables are subject to change and may vary from those illustrated. Copyright © 2026 Specialized Fabrication Equipment Group, All rights reserved.



ID facing diameter: 1.18 - 7" / 30 - 180 mm

ID clamping range: 1 - 4" / 23 - 112 mm

- **Functions:** Flat face, raised flanges and spot facing
- **Materials:** Any kind of steel and exotic alloy
- **Power:** Pneumatic, electric or battery (110v or 220v)

The PREP 4 flange facing machine is a highly versatile and precision-engineered solution designed for accurate flange facing and resurfacing applications. Building on the proven performance of the PREP 4 machine body, this machine delivers exceptional surface finish quality using a phonographic feed system. Available in pneumatic, electric, or battery (110V or 220V) drive options, the PREP 4 flange facing machine combines power, portability, and adaptability for both on-site and workshop environments.

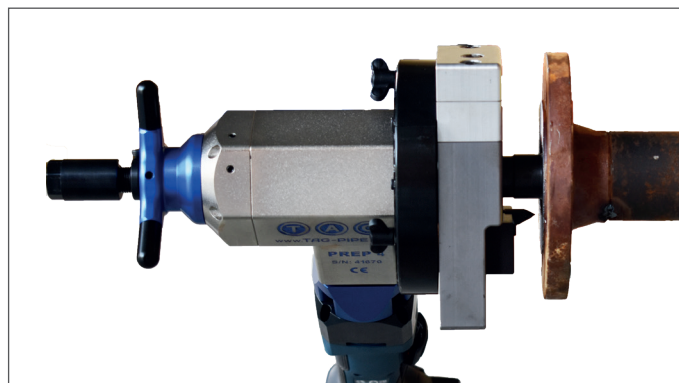
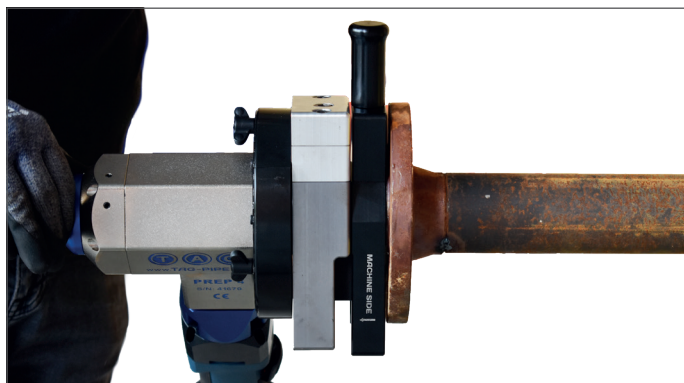
FEATURES AND ADVANTAGES

Engineered to handle flat face and raised face flanges, as well as spot facing operations, the machine delivers consistent, repeatable results across a wide range of diameters and materials, including carbon steel, stainless steel, and exotic alloys. Its precision feed control system features three interchangeable feed screws, enabling operators to achieve smooth, stock, and rough surface finishes from 63 to 250 RMS to meet critical gasket sealing requirements.

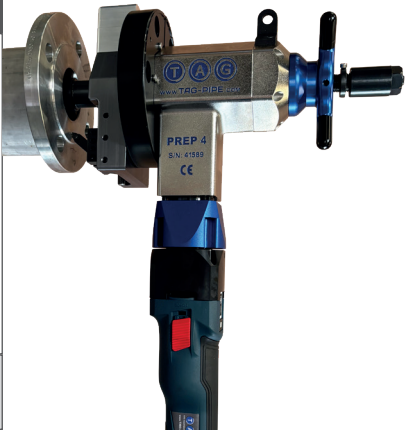
The robust yet compact design makes it ideal for flange repair, pipeline and valve maintenance, and workshop flange preparation across industries including oil & gas, petrochemical, power generation, marine, and water treatment. Its heavy-duty construction ensures reliable performance in demanding environments, while its portability allows for efficient on-site deployment.

The PREP 4 Flange Facing Machine utilises an internal collet clamping system for secure, accurate mounting, ensuring stability throughout machining. Combined with a range of standard and custom tooling options, it provides maximum flexibility for a wide variety of flange facing applications.

Additionally, TAG offers this system as a flange facing conversion kit, allowing existing PREP 4 pipe beveling machines to be easily adapted for flange facing operations, further enhancing the machine's versatility and value.



ELBOW VERSION (RECOMMENDED) - POWER OPTIONS:

PNEUMATIC	ELECTRIC	BATTERY	
			
PART NO. TP4PFFPE	PART NO. TP4E110FFPE PART NO. TP4E220FFPE	PART NO. TP4B110FFPE* PART NO. TP4B220FFPE*	

STANDARD VERSION - POWER OPTIONS:

PNEUMATIC	ELECTRIC	BATTERY
		
PART NO. TP4PFFP	PART NO. TP4E110FFP PART NO. TP4E220FFP	PART NO. TP4B110FFP* PART NO. TP4B220FFP*

* **LOGISTICS NOTE – UN3481 COMPLIANCE** : In accordance with UN3481 regulations governing the transport of lithium batteries, this machine cannot be shipped by air. Authorized transport modes: road and sea only. Any request for air shipment cannot be accommodated. If required, alternative models without battery or charger, compliant with air transport regulations, can be offered : **PART NO. TP4BFFP (standard) / TP4BFFPE (elbow)**.

ACCESSORIES

For customers with existing TAG PREP 4 Pipe bevelling machines, the following accessories are required to convert the machine into a TAG PREP 4 flange facing machine.

ELBOW KIT	CONVERSION KIT FOR PREP 4 PIPE BEVELLING MACHINE**
 Included in the kit: • Elbow shaft • Elbow leg sets • Flange alignment positioner	 Included in the kit: • Feed screws (3) • Threaded bushing • Tool kit • Tool holder assembly • Ring gear • Protector • Flange assembly
PART NO. TP4ESKV2FFP	PART NO. TP4FFKP

AIR FILTER LUBRICATOR FOR PNEUMATIC MACHINES ONLY

Air filter lubricators, delivering clean, regulated airflow and reliable performance, with an optional integrated emergency stop for enhanced safety.

 PART NO. AFL1	New!  with emergency stop PART NO. DEFE-FRL5
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** Compatible with all Prep 4 machines and shafts; machines already equipped with an elbow shaft require the addition of the positioner alongside the kit.

PREP 4 FLANGE FACING MACHINE TECHNICAL FEATURES

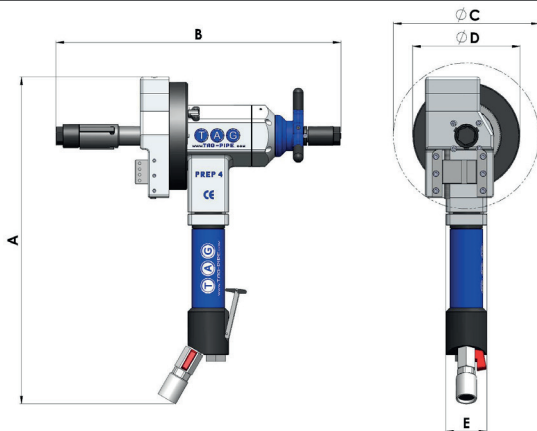
DESCRIPTION	MEASUREMENT	PNEUMATIC		ELECTRIC		BATTERY	
Version	Standard / Elbow	Standard	Elbow	Standard	Elbow	Standard	Elbow
Part Number	n/a	TP4PFFP	TP4PFFPE	TP4E110FFP / TP4E220FFP	TP4E110FFPE / TP4E220FFPE	TP4B110FFP* / TP4B220FFP*	TP4B110FFPE* / TP4B220FFPE*
Working flange range	mm (i/d)	30 - 180	38 - 111	30 - 180	38 - 111	30 - 180	38 - 111
Working flange range	inch (i/d)	1.18 - 7	1.5 - 4.37	1.18 - 7	1.5 - 4.37	1.18 - 7	1.5 - 4.37
Clamping range	mm (i/d)	23 - 112	38 - 111	23 - 112	38 - 11	23 - 112	38 - 11
Clamping range	inch (i/d)	1 - 4	1.5 - 4	1 - 4	1.5 - 4	1 - 4	1.5 - 4
Idle speed	rpm	5 - 100		5 - 82		23 / 37 / 50	
Torque	N m	176		152		140	
Length of axial feed	mm	5		5		5	
Max operating temperature	°C	55		55		55	
Max acoustic radiation	dB	75		75		75	
Pneumatic motor power	hp	1.35		n/a		n/a	
Air consumption	cfm / l/min.	36 / 1020		n/a		n/a	
Air working pressure	psi / bar	90 / 6.5		n/a		n/a	
Air hose connection	inches	½"		n/a		n/a	
Electric motor power	watt	n/a		1300		800	
Voltage	volt	n/a		110 or 220		charger 110 or 220	
Frequency	Hz	n/a		50 / 60		charger 50 / 60	
Surface finish options	Rms	63 - 250 rms		63 - 250 rms		63 - 250 rms	
Compliance	n/a	ASME B16.5, CE		ASME B16.5, CE		ASME B16.5, CE	
Unit weight	kg / lbs	11.9 / 26.2		12.9 / 28.4		13.6 / 29.9	
Packing dimensions	mm	625 x 633 x 203		625 x 633 x 203		625 x 633 x 203	
Packing weight	kg / lbs	31.4 / 69.2		32.4 / 71.4		33.1 / 72.9	

Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.

- All units are supplied complete with all gripping segments to cover the full range of the machine. Service tools, drawings, instruction manual and warranty certificate are also supplied as standard.
- Each machine is supplied with a protective custom built metal box.
- Pneumatic machine must be used with filter lubricator and oil - use without will void warranty.



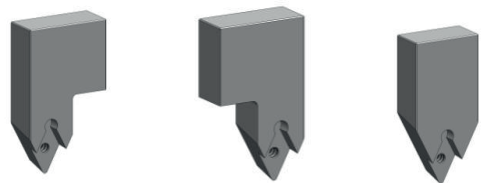
DIMENSIONS



DIM	PNEUMATIC	ELECTRIC	BATTERY
A	478 mm	533 mm	573 mm
B	434 mm	434 mm	434 mm
ØC	214 mm	214 mm	214 mm
ØD	157 mm	157 mm	157mm
E	60 mm	90 mm	90 mm

TOOLS

HOLDERS (included with the machine)



INSERTS FOR CARBON AND STAINLESS STEEL



Inserts for carbon steel
(box of 10)

PART NO. CTI070204CS



Inserts for stainless steel
(box of 10)

PART NO. CTI070204SS

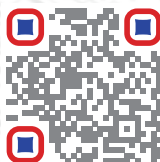


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