

## US80 Pipe Beveling Machine

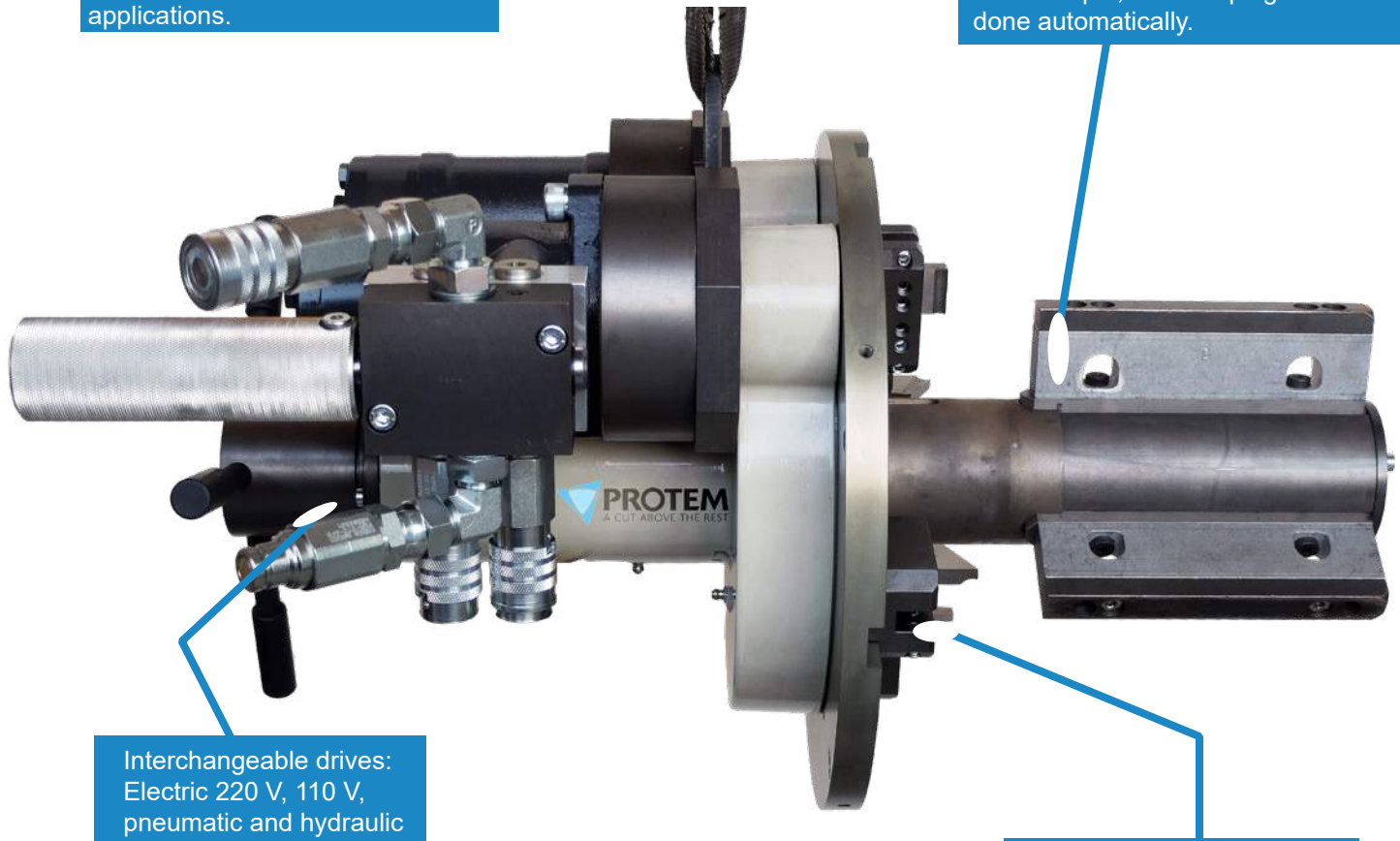
Rugged, dependable,  
versatile

Different configurations are  
possible to suit different types of  
applications.

Clamping jaws are available in  
several different configurations.

Additional clamping jaws extend the  
capacity of the machine.

Several clamping options are  
available for specific applications.  
For example, the clamping can be  
done automatically.



Interchangeable drives:  
Electric 220 V, 110 V,  
pneumatic and hydraulic

The PROTEM US-SERIES  
will perform repeatable high  
quality weld preparations  
on all types of materials  
including mild, chrome,  
stainless steel, duplex, super  
duplex, copper-nickel  
alloy steel, inconel, P91,  
aluminium, copper  
exotic alloys..

Up to four tool bits can be  
mounted so that machining  
operations, such as facing,  
beveling and counterboring  
can be carried out  
simultaneously.

ID Mounted

# US80 Pipe Beveling Machine

Standard Capacity: 80mm - 355mm (3.149" - 13.976")

Extended Capacity: 80mm - 406.4mm (3.149" - 16")



US80 with hydraulic drive

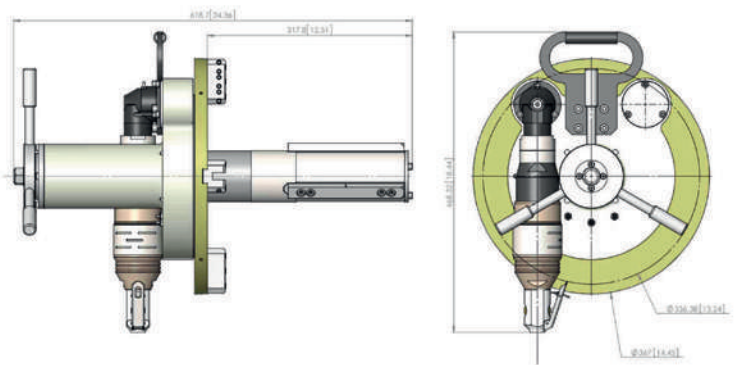
The US80 portable tube and pipe heavy duty beveler combines durability, reliability, efficiency and versatility in one machine, providing a safe and easy use for all operators. The standard tool-plate will accept multiple tool bits, allowing up to four simultaneous machining operations. Such operations may include 30°, 37°30', 45° bevels with or without land, J-bevels, compound bevels, facing, counterboring operations, etc.

The US80 heavy duty beveler will perform repeatable high quality weld preparations on all types of materials including mild steel, chrome, stainless steel, duplex, super duplex, copper-nickel alloy steel, inconel, P91, aluminium, copper and exotic alloys. It can be either pneumatically, electrically or hydraulically driven. The tool bits can be changed and adjusted very quickly. Carbide tool inserts may also be used.

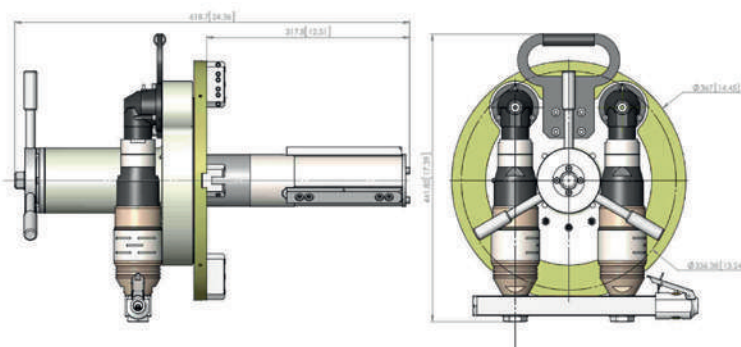
Beveling	Squaring	Counterboring	Cut to length	Weld Joint Removal	Coating Removal	Saddles	Surfacing
✓	✓	✓	✓	✓	✓	✗	✓

## Advantages:

- Transportable
- Powerful Machining Equipment
- Easy and Safe use for the Operators
- No Heat Affected Zone
- High Accuracy
- Fast and easy mounting
- The tool bits can be changed and adjusted very quickly
- Adapted for works in tight spaces
- The machine can be used in all positions: vertical, horizontal, over head
- Versatile Cutting Head: the tool-holder plate can accept up to 4 tool bits for simultaneous machining operations (land, bevel, counterboring, j prep)
- Smooth and Burr-Free Surface Finish
- No vibration during the machining process



Dimensions single pneumatic drive



Dimensions dual pneumatic drive

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## Technical Features:

<b>Specific shapes &amp; angles</b>	Facing 90°, bevel 30°, 37°30', 45°, counterbore, J-bevel, other on request
<b>Clamping</b>	Manual with a key
<b>Feed stroke</b>	60 mm (2.362")
<b>Expansion</b>	25 mm (0.984")
<b>Cutting head gear drive</b>	16 rpm off-load speed 11 rpm nominal speed. Approximate rotation speed according to air pressure and air flow
<b>Single pneumatic drive</b>	1,47 kW, 6 bar (87 psi), 1800 l/min (63 cfm)
<b>Double pneumatic drive</b>	2 x 1,47 kW, 6 bar (87 psi), 2 x 1800 l/min (2 X 63 cfm)
<b>Electric drive</b>	220 V (2200 W) 110 V (1800 W)
<b>Pneumatically driven machines have to be used with a lubricating filter. Recommended option: regulation valve.</b>	

Order No.	Description
US80-1000	Heavy Duty Pipe Facing Machine with dual pneumatic drive, for Ø 3.149" - 13.976" (80mm - 355mm)
US80-1002	Heavy Duty Pipe Facing Machine with pneumatic drive, for Ø 3.149" - 13.976" (80mm - 355mm)
US80-1020	Heavy Duty Pipe Facing Machine with electric drive 220V, for Ø 3.149" - 13.976" (80mm - 355mm)
US80-1060	Heavy Duty Pipe Facing Machine with dual hydraulic drive and regulation valve, for Ø 3.149" - 13.976" (80mm - 355mm)
US80-1062	Heavy Duty Pipe Facing Machine with hydraulic drive, for Ø 3.149" - 13.976" (80mm - 355mm)
US80-1064	Heavy Duty Pipe Facing Machine with single hydraulic drive and regulation valve, for Ø 3.149" - 13.976" (80mm - 355mm)
US80-1066	Heavy Duty Pipe Facing Machine with single hydraulic drive, for Ø 3.149" - 13.976" (80mm - 355mm)
US80-1080	Heavy Duty Pipe Facing Machine with brushless electric drive --Three-Phase Motorization-- Please indicate the required voltage and frequency for your application. For Ø 3.149" - 13.976" (80mm - 355mm)
US80DSB-1000	Heavy Duty Pipe Facing Machine with dual pneumatic drive, regulation valve and dual bearing (higher accuracy) for Ø 3.149" - 13.976" (80mm - 355mm)
US80DSB-1060	Heavy Duty Pipe Facing Machine with dual hydraulic drive, regulation valve and dual bearing (higher accuracy) for Ø 3.149" - 13.976" (80mm - 355mm)

## Applications:



## Use On-Site or in Workshop:

