

US150 Pipe Beveling Machine

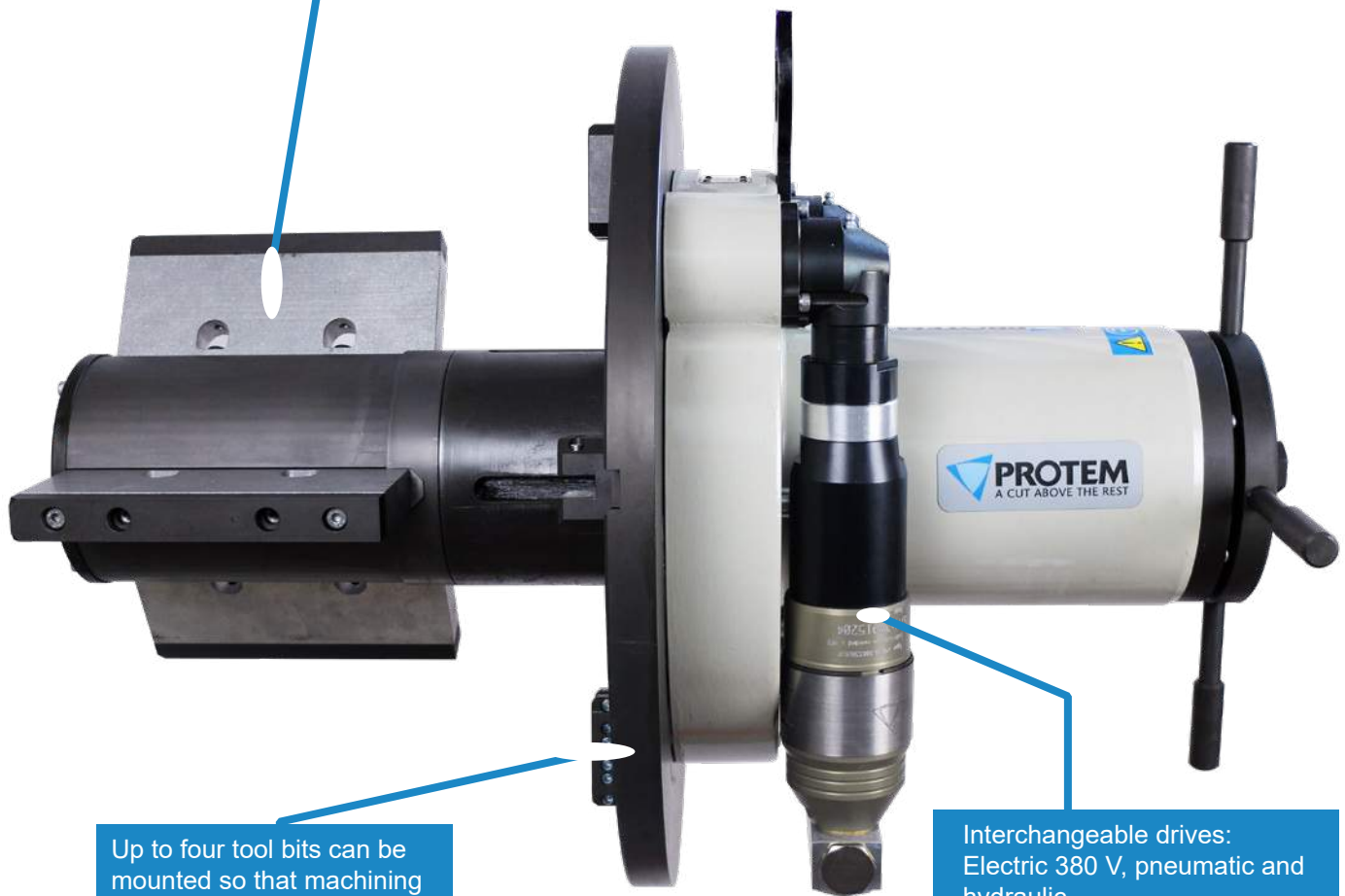
Clamping jaws are available in several different configurations.

Additional clamping jaws extend the capacity of the machine.

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

Rugged, dependable, versatile

Different configurations are possible to suit different types of applications.



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

Interchangeable drives: Electric 380 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..

ID Mounted

US150 Pipe Beveling Machine

Standard Capacity: 150mm - 508mm (5.905" - 20")

Extended Capacity: 150mm - 610mm (5.905" - 24.015")



US150 with pneumatic drive

The US150 heavy duty beveler is a reliable and powerful machine that performs repeatable, high quality weld end preparation operations on all metal pipes including mild steel, chrome, stainless steel, duplex, super duplex, coppernickel alloy steel, inconel, P91, aluminium, copper and exotic alloys. The US150 covers Ø ranging from 150mm (5.905") ID to 508mm (20") OD. This machine can also be delivered with its 610mm (24.015") tool-holder plate. It can be either pneumatically, electrically or hydraulically driven.

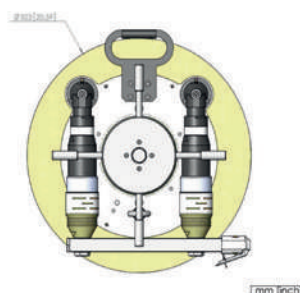
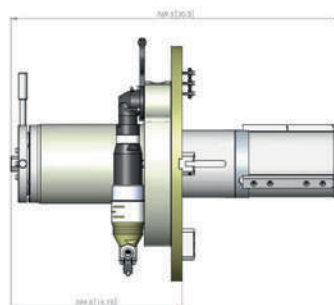
The standard tool-plate will accept multiple tool bits, allowing up to four simultaneous machining operations. Operations may include 30°, 37°30', 45° bevels with or without land, J-bevels, compound bevels, facing, counterboring operations, etc.

The tool bits can be changed and adjusted very quickly. Carbide tool-inserts may also be used. Easy to use, dependable and versatile, the US150 will allow you to drastically optimize your tube and pipe welding preparation works.

| 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



US150 Brushless drive

US150 Pipe Beveling Machine

Technical Features:

| | |
|---|--|
| Specific shapes & angles | Facing 90°, bevel 30°, 37°30, 45°, counterbore, J-bevel, other on request |
| Clamping | Manual with a key |
| Feed stroke | 100 mm (3.937") |
| Expansion | 30 mm (1.181") |
| Cutting head gear drive | 7-10 rpm off-load speed 5-7 rpm nominal speed. Approximate rotation speed according to air pressure and air flow |
| Single pneumatic drive | 1,47 kW, 6 bar (87 psi), 1800 l/min (63 cfm) |
| Double pneumatic drive | 2 x 1,47 kW, 6 bar (87 psi), 2 x 1800 l/min (2 X 63 cfm) |
| Electric drive | 380 V (2200 W) |
| Pneumatically driven machines have to be used with a lubricating filter. Recommended option: regulation valve. | |

| Order No. | Description |
|------------|---|
| US150-1000 | Heavy Duty Pipe Facing Machine with dual pneumatic drive, for Ø 5.905" - 20" (150mm - 508mm) |
| US150-1020 | Heavy Duty Pipe Facing Machine with single electric drive - 2.2 kw power - 380 V with dual direction of rotation, speed regulator, emergency stop & Three-phase motorization. Please indicate the required voltage and frequency, for Ø 5.905" - 20" (150mm - 508mm) |
| US150-1022 | Heavy Duty Pipe Facing Machine with single electric drive - 2.2 kw power - 380 V with dual direction of rotation, speed regulator, emergency stop & Three-phase motorization. Please indicate the required voltage and frequency. Fitted with extension Kit24" for Ø 5.905" - 24.015" (150mm - 610mm) |
| US150-1060 | Heavy Duty Pipe Facing Machine with dual hydraulic drive and regulation valve. For Ø 5.905" - 20" (150mm - 508mm) |

| Order No. | Description |
|---------------|---|
| US150-1062 | Heavy Duty Pipe Facing Machine with dual hydraulic drive, for Ø 5.905" - 20" (150mm - 508mm) |
| US150-1064 | Heavy Duty Pipe Facing Machine with single hydraulic drive and regulation valve. For Ø 5.905" - 20" (150mm - 508mm) |
| US150-1068 | Heavy Duty Pipe Facing Machine with dual hydraulic drive and regulation valve. Fitted with extension Kit24" for Ø 5.905" - 24.015" (150mm - 610mm) |
| US150-1080 | Heavy Duty Pipe Facing Machine with brushless electric drive & Three-Phase Motorization. Please indicate the required voltage and frequency for your application. For Ø 5.905" - 20" (150mm - 508mm) |
| US150DSB-1000 | Heavy Duty Pipe Facing Machine with dual pneumatic drive and dual bearing for higher accuracy. For options US150-3000, US150-3100, US150-3200, for Ø 5.905" - 20" (150mm - 508mm) |
| US150DSB-1002 | Heavy Duty Pipe Facing Machine with dual pneumatic drive and dual bearing for higher accuracy. For Ø 5.905" - 20" (150mm - 508mm) |
| US150DSB-1060 | Heavy Duty Pipe Facing Machine with dual hydraulic drive and dual bearing for higher accuracy. For Ø 5.905" - 20" (150mm - 508mm) |
| US150DSB-1062 | Heavy Duty Pipe Facing Machine with dual hydraulic drive. For Ø 5.905" - 20" (150mm - 508mm) |
| US150DSB-1064 | Heavy Duty Pipe Facing Machine with single hydraulic drive and dual bearing and regulation valve for higher accuracy. For options US150-ASB, US150-KS75-30, US150-KS75-36, for Ø 5.905" - 20" (150mm - 508mm) |
| US150DSB-1066 | Heavy Duty Pipe Facing Machine with single hydraulic drive. For Ø 5.905" - 20" (150mm - 508mm) |
| US150DSB-1068 | Heavy Duty Pipe Facing Machine with dual hydraulic drive, dual bearing and regulation valve. Fitted with extension Kit24" for Ø 5.905" - 24.015" (150mm - 610mm) |



Use On-Site or in Workshop:

