

# US30CH Pipe Beveling Machine

ID Mounted

Up to four tool-bits can be mounted so that machining operations, such as facing, beveling and counterboring can be carried out simultaneously. Two or more tool bits used simultaneously ensure a perfect balance of forces during the machining operations.

Clamping jaws are available in several different configurations. Clamping jaws for expanded tubes are also available. Clamping is perfectly concentric.

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.

Different configurations are possible to suit different types of applications.

Interchangeable drives:  
 Electric 220 V, Electric 110, Cordless 220 V, Cordless 110 V, Pneumatic

Light, rugged, dependable, versatile

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..

Safety Handle

# US30CH Pipe Beveling Machine

Standard Capacity: 32mm - 114mm (1.259" - 4.488")

Extended Capacity: 32mm - 168,3mm (1.259" - 6.625")



US30CH with pneumatic drive

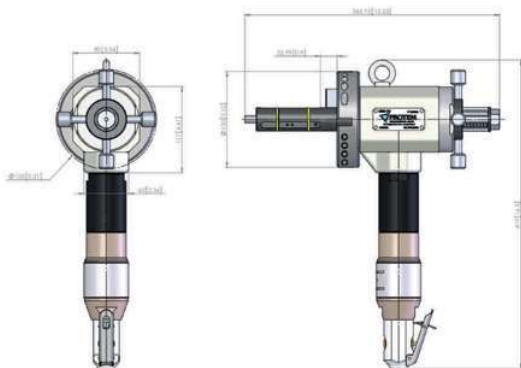
The US30CH portable pipe beveling machine is durable, reliable, versatile and light weighted. The standard tool-holder plate will accept multiple tool-bits, allowing up to four simultaneous machining operations. Such operations may include: 30°, 37°30', 45° bevels, J-bevels, compound bevels, facing, counterboring, OD chamfering, removal of weld joints and/or cutting tubes to length of heat exchanger and boiler tubes.

The tool-bits can be changed and adjusted very quickly. Carbide tool-inserts may also be used. The US30CH features a self-accepting torque system and an integral drive motor.

This very powerful pipe 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 virtually all exotic alloys.

Beveling	Squaring	Counter-boring	Cut to length	Weld Joint Removal	Coating Removal	Saddles	Surfacing
✓	✓	✓	✓	✓	✓	✗	✓

ID Mounted



Dimensions



US30CH with electric drive

## Advantages:

- Portable
- 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



# US30CH Pipe Beveling Machine

## 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>	35 mm (1.378")
<b>Expansion</b>	9 mm (0.354")
<b>Cutting head gear drive</b>	max 30rpm
<b>Pneumatic drive</b>	730 W, 6 bar (87 psi), 1400 l/min (49 cfm)
<b>Electric drive</b>	110 V (1500 W) or 220 V (1050 W)
Pneumatically driven machines have to be used with a lubricating filter. Recommended option: regulation valve.	

Order No.	Description
US30CH-1000	Pipe Beveling Machine US30CH for Ø 1.259" - 4.488" (32mm - 114mm) with pneumatic drive
US30CH-1010	Pipe Beveling Machine US30CH New Generation for boilers with option 11bis - longer mandrel for boiler works, for Ø 1.259" - 4.488" (32mm - 114mm) with pneumatic drive
US30CH-1012	Pipe Beveling Machine US30CH New Generation for boilers for Ø 1.259" - 6.625" (32mm - 168.3mm) with pneumatic drive. Machine fitted with extended tool-holder plate.
US30CH-1020	Pipe Beveling Machine US30CH New Generation for boilers for Ø 1.259" - 4.488" (32mm - 114mm) with electric drive MS10.
US30CH-1022	Pipe Beveling Machine US30CH New Generation for boilers for Ø 1.259" - 4.488" (32mm - 114mm) with electric drive MS10 and with option 11bis, longer mandrel for boiler works.
US30CH-1024	Pipe Facing Machine US30CH for Ø 1.259" - 6.625" (32mm - 168.3mm) with electric drive 220V. Machine fitted with extended tool-holder plate
US30CH-1026	Pipe Beveling Machine US30CH for Ø 1.259" - 6.625" (32mm - 168.3mm) with pneumatic right angle drive. Machine fitted with extended tool-holder plate.
US30CH-1030	Pipe Beveling Machine US30CH New Generation for boilers for Ø 1.259" - 4.488" (32mm - 114mm) with electric drive 220V, MS15. 1500W.
US30CH-1040	Pipe Beveling Machine US30CH New Generation for boilers for Ø 1.259" - 4.488" (32mm - 114mm) with electric drive 110V, MS15. 1500W.
US30CH-1042	Pipe Beveling Machine US30CH New Generation for boilers for Ø 1.259" - 4.488" (32mm - 114mm) with electric drive 110V, MS15. 1500W and with option 11bis, longer mandrel for boiler works.
US30CH-1044	Pipe Beveling Machine US30CH for Ø 1.259" - 6.625" (32mm - 168.3mm) with electric drive 110V. Machine fitted with extended tool-holder plate.
US30CH-1052	Pipe Beveling Machine US30CH for Ø 1.259" - 4.488" (32mm - 114mm) with hydraulic drive.

ID Mounted

## Applications:



## Use On-Site or in Workshop:

