

## PORTABLE BEVELING MACHINES – US SERIES

The US-Series portable pipe beveling machines are the most powerful, robust, reliable and versatile portable tube and pipe beveling / facing machine in the world.

### A wide capacity range:

For diameters ranging from:

8 mm ID – 914 mm OD

0.31" ID – 36" OD

- Four machining operations can be carried out simultaneously or individually
- Dimensions complying with tight spaces
- Safe and easy to use
- The machine can be supplied in pneumatic, electric or hydraulic power.
- Feed length suitable for deep

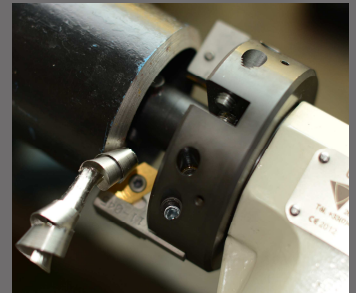
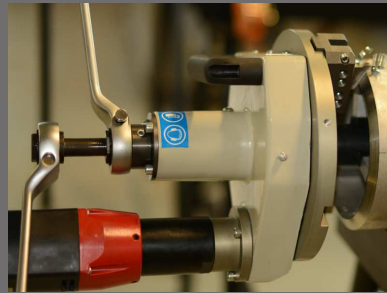
WE DELIVER

UNMATCHED SOLUTIONS!

For perfect weld  
preparations

### OPTIONS:

- ✓ Automatic feed
- ✓ Automatic clamping
- ✓ Versatile possibilities :
- ✓ Mandrel – Tool holder plates
- ✓ Flange facing/single point machining
- ✓ Short clamping mandrel for elbows
- ✓ Specific milling head for use membrane walls and boiler panels
- ✓ Quick clamping device for serial machining works
- ✓ For almost all environments: Irradiated areas, extreme conditions, subsea.



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## PORTABLE BEVELING MACHINES – US SERIES

The durability, reliability, capacity of the US earned this machine the excellent reputation it enjoys wherever it is used around the world.

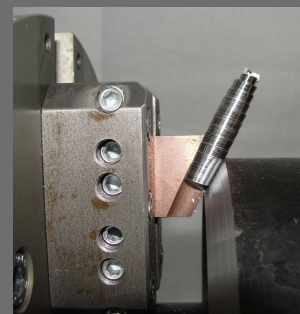
The PROTEM US-SERIES will perform repeatable high quality weld preparations on all types of materials including mild, chrome, stainless steel, duplex, super duplex, copper-nickel alloy steel, inconel, P91, aluminium, copper and exotic alloys.



The PROTEM US-SERIES is the equipment you will need for your chamfering works!

- ✓ No heat affected zone!
- ✓ For unmatched results!
- ✓ Burr-free
- ✓ No vibrations
- ✓ Perfect weld preparation
- ✓ On site or in the assembly workshop
- ✓ Portable ID locking tube end forming
- ✓ For construction, inspection and repair works
- ✓ Suitable for I, V, J-preps, compound bevels, lengthening of tubes, weld removals, counterboring works, membrane walls and boiler panels
- ✓ pneumatic, electric or hydraulic drive configurations

Developed and tested in collaboration with users and approved by them worldwide!

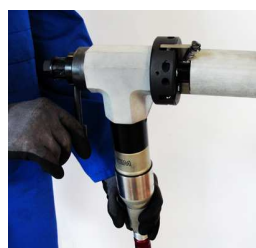




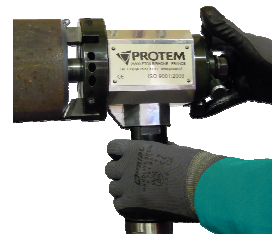
**SM8**



**S18**



**US 25**



**US30-CH**

<b>Machining capacity</b>	8 mm – 32 mm ID 0.31 – 1” ID	18 mm ID – 42 mm OD 0.7 ID – 1 1/4” OD	12,5mm ID–120mm OD ½” ID – 4.7” OD	30 mm ID – 114 mm OD 1” ID – 4” OD
<b>Clamping capacity</b>	8 mm – 32 mm ID 0.31 – 1” ID	18 mm ID – 42 mm OD 0.7 ID – 1 1/4” OD	12,5 mm ID –120 mm OD ½” ID – 4.7” OD	30 mm ID – 114 mm OD 1” ID – 4” OD
<b>Weight</b>	3 kg	4 kg	5.5 kg	10 kg
<b>Clamping</b>	Manual	Manual	Manual with key	Manual with key
<b>Feed stroke</b>	10 mm	35 mm	35 mm	35 mm
<b>Gear drive</b>	120 rpm off-load speed 60 rpm nominal speed	300 rpm off-load speed 150 rpm nominal speed	150 rpm off-load speed 70 rpm nominal speed	50 rpm off-load speed 30 rpm nominal speed

<b>Drive configuration</b>	Electric Pneumatic	Electric Pneumatic	Electric Pneumatic Hydraulic	Electric Pneumatic Hydraulic
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## OPTIONS

	<b>SM8</b>	<b>S18</b>	<b>US 25</b>	<b>US30-CH</b>
<b>Automatic clamping</b>	-	•	•	•
<b>Mandrel</b>	-	-	12.5 – 18 mm 18 – 26 mm	•
<b>Tool holder plates</b>	-	-	60 – 90 – 120 mm	•
<b>Flange facing</b>	-	-	25 mm – 300 mm 1” – 12”	50 mm – 355 mm 2” – 14”
<b>Mandrel for elbows</b>	-	-	40 mm – 119 mm 1.5” – 4.5”	50 mm – 168 mm 2” – 6”
<b>Specific milling</b>	-	-	•	•
<b>Copying carriage</b>	-	-	•	•
<b>ID-Tracker</b>	-	-	•	•

- In option
- Without option



**US 40**

**US 80**

**US 150**

**US 450**

43 mm ID – 219 mm OD  
1 1/4" ID – 8" OD

80 mm ID – 360 mm OD  
3.14" ID – 14.2" OD

150 mm ID – 508 mm OD  
5.9" ID – 20" OD

457 mm ID – 914 mm OD  
18" ID – 36" OD

43 mm ID – 219 mm OD  
1 1/4" ID – 8" OD

80 mm ID – 360 mm OD  
3.14" ID – 14.2" OD

150 mm ID – 508 mm OD  
5.9" ID – 20" OD

457 mm ID – 914 mm OD  
18" ID – 36" OD

15 kg

40 kg

90 kg

-

Manual with key

Manual with key

Manual with key

Manual with key

50 mm

60 mm

100 mm

-

25 rpm off-load speed  
16 rpm nominal speed

16 rpm off-load speed  
11 rpm nominal speed

16 rpm off-load speed  
11 rpm nominal speed

150 rpm off-load speed  
70 rpm nominal speed

Electric  
Pneumatic  
Hydraulic

Electric  
Pneumatic  
Hydraulic

Electric  
Pneumatic  
Hydraulic

Electric  
Pneumatic  
Hydraulic

**US 40**

**US 80**

**US 150**

**US 450**

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Kit 24" – 610 mm

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70 mm – 400 mm  
2.7" – 16"

114 mm – 610 mm  
4" – 24"

165 mm – 900 mm  
6.5" – 35"

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145 mm – 219 mm  
5" – 8"

100 mm – 599 mm  
4" – 23.6"

261 mm – 914 mm  
10.3" – 36"

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# Contact & Comments

## Our commitment! **Your satisfaction!**

Serving our customers around the world with competence, efficiency and a reliable service is our main target. Whatever your questions, do not hesitate to consult us. Our staff will be always advise you in a professional manner the right equipment that will meet your technical requirements.

**Call or email** us for more information!

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## Your Comments:

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