

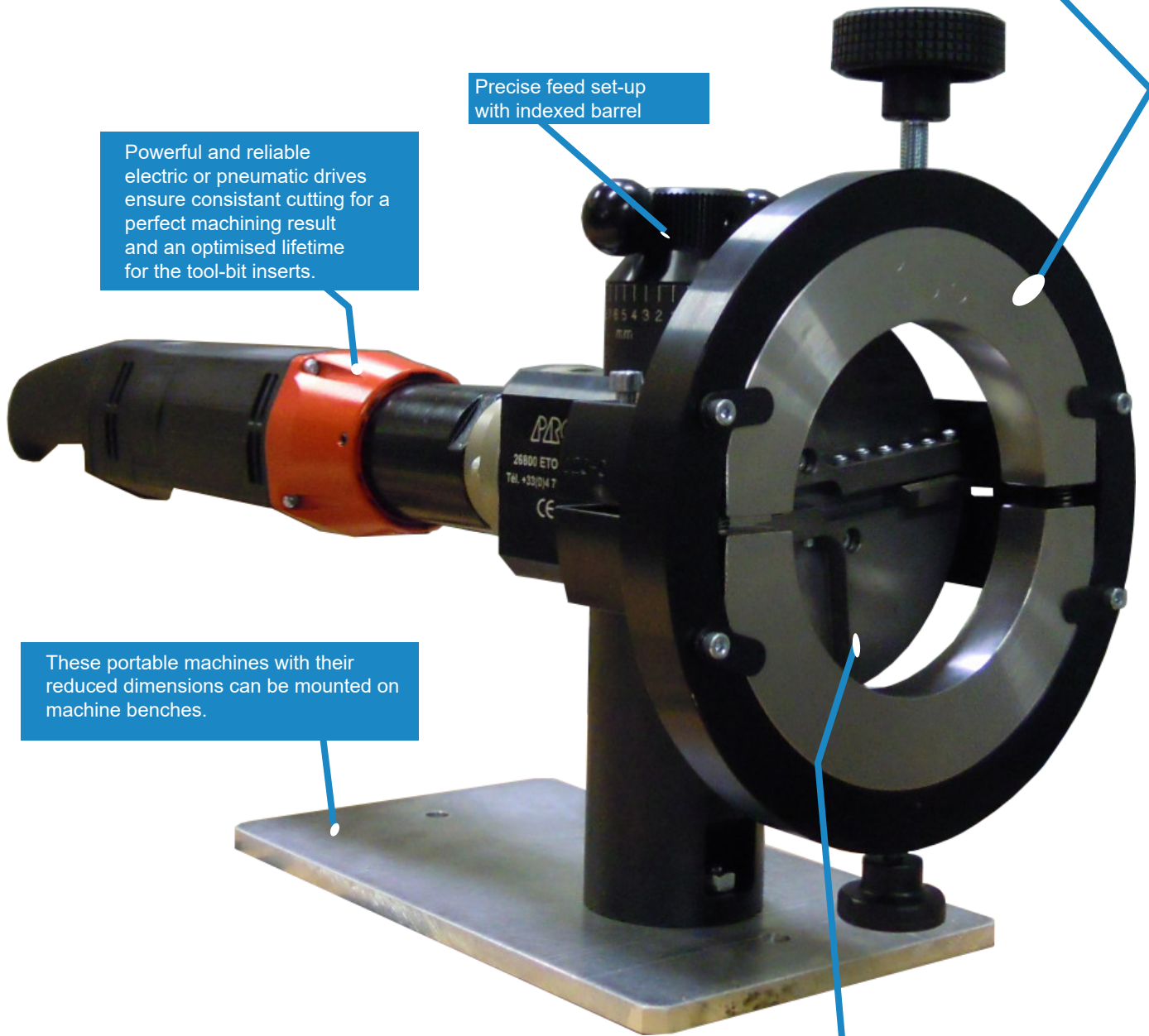
# SL Series Tube Squaring Machines

Cold Machining

Clamping collets enable a perfect concentric clamping without any deformation of the tubes. Short collets for fittings and micro fittings available.

Precise feed set-up with indexed barrel

Powerful and reliable electric or pneumatic drives ensure constant cutting for a perfect machining result and an optimised lifetime for the tool-bit inserts.



These portable machines with their reduced dimensions can be mounted on machine benches.

Tool-holder plates enable the facing and beveling of tubes, fittings, micro fittings and tee fittings. Machining can be performed on all types of materials (mild steels, stainless steels, alloys). Chips are contained and easily collected in order to avoid altering the integrity of the tube.

OD Mounted

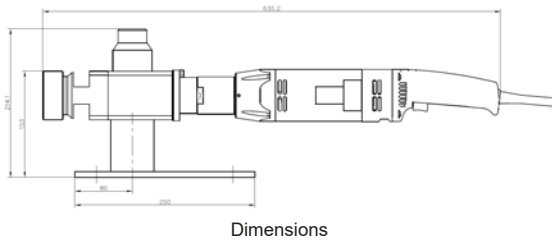
# SL30 Tube and Pipe Beveling Machine

Standard Capacity: 3mm - 30mm (0.118"-1.181")



The tube end squaring machine PROTEM SL30 is designed to square tubes, fittings, micro-fittings and tees (short clamping head available) on all metal tubes with  $\varnothing$  0.118"-1.181" (3mm-30mm) including mild, stainless steel, exotic alloys such as inconel, P91, hastelloy, copper etc.. Its clearance, capacities and design have been engineered along with the end users. This machine is ideal for applications within the high-purity field: food and beverage industry, semiconductors, cleanrooms, pharmaceuticals etc. It minimises the risk of contamination since it produces collectible ribbon-like chips and no particulates. Its small dimension allows it to be portable or bench mounted.

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



## Advantages:

- Portable
- Powerful Machining Equipment
- Easy and Safe use for the Operators
- No Heat Affected Zone
- High Accuracy
- Fast and easy mounting
- Perfect and repeatable welding preparation
- Adapted for works in tight spaces
- The machine can be used in all positions: vertical, horizontal, over head
- The Tool-Inserts can be changed and adjusted very quickly
- Smooth and Burr-Free Surface Finish
- No vibration during the machining process

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# SL30 Tube and Pipe Beveling Machine

## Technical Features:

<b>Specific shapes &amp; angles</b>	I, V, Other on Requests
<b>Clamping</b>	Clamping heads and collets long or short
<b>Feed stroke</b>	10 mm (0.394")
<b>Gear drive</b>	95 tr/min to 280 tr/min
<b>Pneumatic drive</b>	730 W, 6 bar (87 psi), 1400 l/min (49 cfm)
<b>Electrical drive</b>	110 V (1500 W) or 220 V (1050 W)
<b><i>Pneumatically driven machines have to be used with a lubricating filter. Recommended option: regulation valve.</i></b>	

Order No.	Description
SL30-1000	Tube & Pipe Beveling and Facing Machine PROTEM SL30 for Ø 0.118"-1.181" (3mm-30mm) with pneumatic drive
SL30-1002	Tube & Pipe Beveling and Facing Machine PROTEM SL30 for Ø 0.118"-1.181" (3mm-30mm) version with short clamping head for microfittings, with pneumatic drive
SL30-1004	Tube & Pipe Beveling and Facing Machine PROTEM SL30 for Ø 0.118"-1.181" (3mm-30mm) with pneumatic drive and automatic clamping device
SL30-1020	Tube & Pipe Beveling and Facing Machine PROTEM SL30 for Ø 0.118"-1.181" (3mm-30mm) with electric drive 220V.
SL30-1022	Tube & Pipe Beveling and Facing Machine PROTEM SL30 for Ø 0.118"-1.181" (3mm-30mm) version with short clamping head for microfittings, with electric drive 220V.
SL30-1040	Tube & Pipe Beveling and Facing Machine PROTEM SL30 for Ø 0.118"-1.181" (3mm-30mm) with electric drive 110V MS10.
SL30-1042	Tube & Pipe Beveling and Facing Machine PROTEM SL30 for Ø 0.118"-1.181" (3mm-30mm) with electric drive 220.

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## Applications:

