

The new design has additional innovative features!

PS 4.5, PS 6.6

Portable Tube Saws

Tube cutting made easy!

Cutting thin-walled stainless-steel tubes and elbows using the superior «planetary cutting technology». Deformation-free clamping system by integrated clamping jaws made from hardened aluminum-cast for different tube diameters.

Advantages:

- Lightweight and easily transportable machine (only 23 kg/26 kg) to provide flexibility for on-site applications
- Deformation-free clamping of thin-walled tubes
- For cutting of thin-walled tubes and elbows
- Cutting of stainless steel tubes with a OD < 120 mm/4.7" (PS 4.5) or a OD of < 170 mm/6.7" (PS 6.6)
- No rework necessary because of a burr-free and square cut
- Cold cutting process prevents corrosion
- **NEW:** Integrated laser pointer to determine the cut off point
- Orbital cutting process saves time
- Multipoint clamping system of tubes
- Fast adjustment of tube dimensions
- **NEW:** Now available with press fitting blade/bevel combination cutters*

Your benefits:

- Square, burr-free and deformation-free pipe end
- Cold machining process
- Cutting in seconds
- Increased productivity
- Increased service life of tools

* Only applicable with combinations made by Orbitalum Tools: Code 790 044 046 or 790 044 047. Especially for stainless steel press fitting systems. Consisting of one saw blade and one bevel cutter. It is possible to order the individual parts. For tube wall thickness: 1-2 mm (.039"-.079"). Beveling angle: 45°/70°, height of bevel: max. 0.4/1 mm (.016"/.039").



••• Integrated line laser



••• Portable machine



Tripod made of stainless steel. Space saving, fast application, easy handling. **Code 790 048 335**

Quick mounting plate with screw clamps. Easy and fast assembly on the work bench. **Code 790 048 334**



The new PS machines are equipped with the in-line laser pointer to determine the cut off point. A retro fit kit is available for previously manufactured machines: **Code 790 048 060**



Clamping jaws replacement set for PS 4.5 and PS 6.6 made from hardened aluminum-cast. Extension of the dimension of the PS 6.6 up to a OD min. 30 mm (1.181 inch). **Code 790 048 380**



Saw blades for optimal cutting results and long tool service life. Performance range for high-alloy steel (stainless steel).

Portable Tube Saws PS

Technical data	PS 4.5	PS 6.6
Dimensions (l x b x h)	480 x 230 x 600 mm (20.9" x 9.1" x 23.6")	480 x 230 x 660 mm (20.9" x 9.1" x 26")
Weight	approx. 23 kg (50.7 lbs)	approx. 26 kg (57.3 lbs)
Power	1010 W	1010 W
Protection class	Totally insulated in accordance with class II, DIN VDE 0740	Totally insulated in accordance with class II, DIN VDE 0740
Speed	30 - 160 rpm	30 - 160 rpm
Versions	230 V, 50/60 Hz, Code 790 048 001 110 V, 50/60 Hz, Code 790 048 002 120 V, 50/60 Hz, Code 790 048 003	230 V, 50/60 Hz, Code 790 049 001 110 V, 50/60 Hz, Code 790 049 002 120 V, 50/60 Hz, Code 790 049 003
Vibration level (EN 28662, part 1)	< 2.5 m/s ²	< 2.5 m/s ²
Sound pressure level at workplace	approx. 75 dB (A)	approx. 75 dB (A)
Working range	PS 4.5	PS 6.6
OD tubes	6 - 120 mm (0.236" - 4.724")	50* - 170 mm (1.969"* - 6.693")
OD elbows	30 - 120 mm (1.181" - 4.724")	50* - 170 mm (1.969"* - 6.693")
Wall thickness max.	3 mm (0.118")	3 mm (0.118")
Tube materials	Stainless steel, high-alloy steel (stainless steel, material no. 1.40... - 1.45... in accordance with DIN 17455 and 17456), unalloyed and low-alloy steel, high-temperature steels, aluminum, copper, CuNi-materials. Others on request.	

* It is possible to cut tubes with a outer diameter min. 30 mm (1.181 inch) by using additional clamping (accessory, Code 790 048 380). These clamping jaws are delivered as a standard with the PS 4.5.

Stamp of distributor:

The technical data are not binding. They are not warranted characteristics and are subject to change. Please consult our general conditions of supply.

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