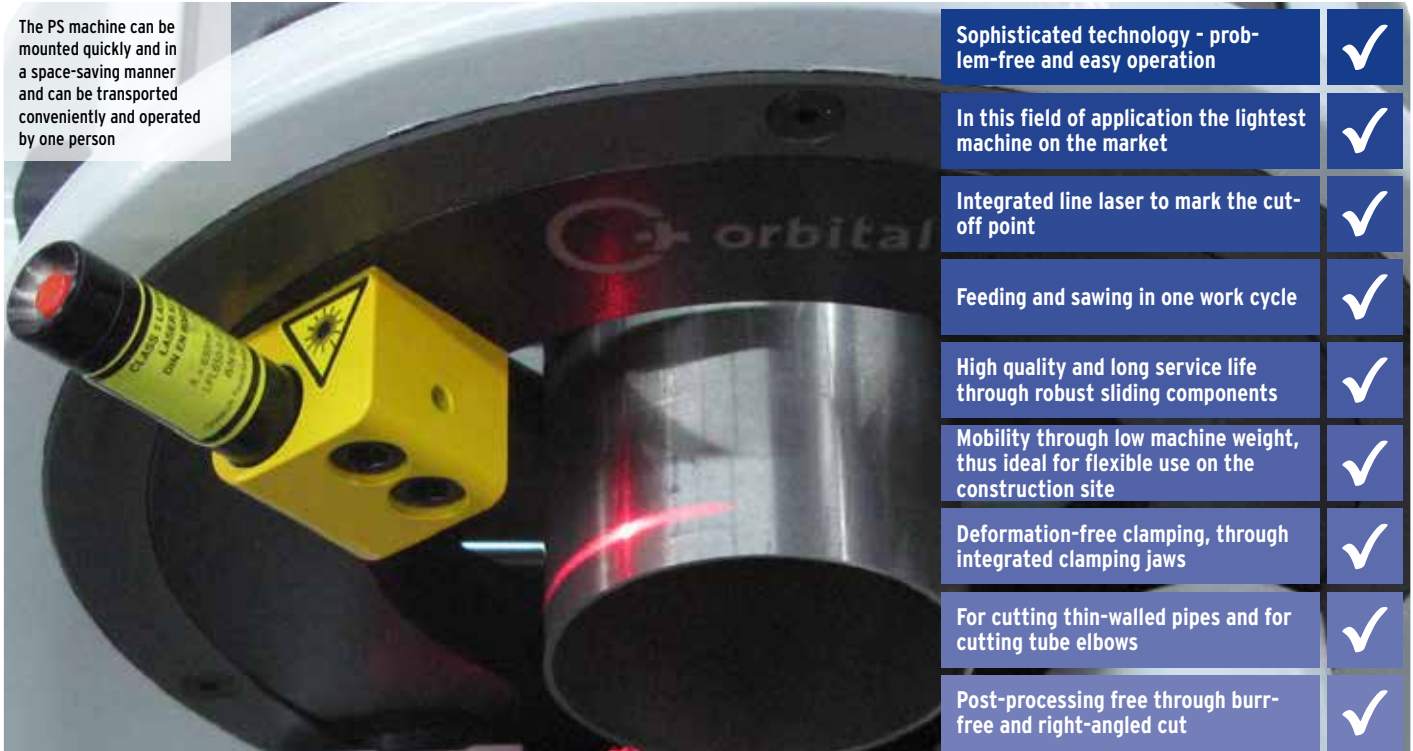


# PS 4.5 Plus

## Portable pipe saw

A mobile, powerful and flexible pipe cutting machine for construction site usage - this is what the PS saw by Orbitalum Tools stands for. This pipe saw not only convinces by a burr-free, right-angled and deformation-free cutting result but also by the low machine weight. At the same time, the problem-free and easy usability are paramount for users apart from the unbeatable price.

The PS machine can be mounted quickly and in a space-saving manner and can be transported conveniently and operated by one person



Sophisticated technology - problem-free and easy operation



In this field of application the lightest machine on the market



Integrated line laser to mark the cut-off point



Feeding and sawing in one work cycle



High quality and long service life through robust sliding components



Mobility through low machine weight, thus ideal for flexible use on the construction site



Deformation-free clamping, through integrated clamping jaws



For cutting thin-walled pipes and for cutting tube elbows



Post-processing free through burr-free and right-angled cut



**Cutting thin-walled stainless steel pipes and tube elbows according to the "planetary cutting principle" - easier than ever before!** In this field of application the PS 4.5 Plus (23kg) is among the lightest machines available on the market.

"Increased safety through standing pipe - rotating tool". The tried-and-tested procedure of "planetary cutting" is an important feature which is characteristic for ORBITALUM pipe saws. The saw blade immerses into the cut and is guided orbitally around the pipe. The advantage of this is that a small saw blade allows cutting a large pipe diameter without heating up the pipe.

As with most ORBITALUM pipe saws, they allow convenient marking of the cut-off point on the tube with a line laser. A second saw blade clamping point

enables tube elbows to be cut off. The powerful motor is equipped with overload protection and is available for the voltages 230 V or 110 V, 50/60 Hz.

The machine head as well as the self-centering vice are manufactured of high quality aluminum alloys, which fulfill the highest construction site requirements.

#### ADDITIONAL ADVANTAGES:

- Corrosion prevention through cold processing process
- Integrated line laser to mark the cut-off point
- Saving of time through orbital cutting process
- Multipoint clamping of the pipe
- Quick setting of the pipe dimension
- High tool service life

- Use of press fitting saw blade combinations possible\*
- Speed controlled single-phase alternating current motor with restart inhibitor

\* Only with the Orbitalum saw blade bevel cutter combinations, Code 790 044 046 or Code 790 044 047. Especially suitable for pipes of metal press fitting systems. Consisting of one saw blade and one bevel cutter each. Individual parts can also be ordered separately. Processable wall thickness: 1-2mm, beveling angle: 45°/70°, beveling height: max. 0.4/1.0mm.



Supply in hard-sided transport case with compartments for accessories, e.g. for mounting plate, tools and now also for tripods (available optionally)



Self-centering vice made of high quality aluminum alloy



Tried-and-tested planetary cutting principle: The saw blade immerses into the cut and is guided orbitally around the pipe



Including "Performance" saw blade (790 048 072) and saw blade lubricant GF TOP



Additional saw blade position for cutting off tube elbows



Tripod made of aluminum available optionally. Dismountable in few steps - for space-saving storage, e.g. in PS transport case

APPLICATION AREA		PS 4.5 Plus
Code	[230 V]	790 048 001
	[110 V]	790 048 002
	[110 V]	790 048 003
Outer Ø DO pipes	[mm]	6 - 120
	[inch]	0.236 - 4.724
Outer Ø DO tube elbows	[mm]	30 - 120
	[inch]	1.181 - 4.724
Wall thickness min. - max.	[mm]	0.6 - 3.0
	[inch]	0.024 - 0.118
TECHNICAL SPECIFICATIONS		
Dimensions	[mm]	480 x 230 x 600
	[inch]	20.9 x 9.1 x 23.6
Power	[W]	1100
	[hp]	1.5
Protection class (DIN VDE 0740, protective insulated)	[Class]	II
Speed	[rpm]	30 - 182
Vibration level (DIN EN 28662, Part 1)	[m/s <sup>2</sup> ]	< 2.5
Sound pressure level at the workplace approx.	[dB (A)]	78
SCOPE OF DELIVERY		
Portable pipe saw	PCS	1
Clamping jaws made of hardened cast aluminum	Set	1
Hard-sided transport case	PCS	1
Line laser*	PCS	1
Saw blade (Code 790 048 072)	PCS	1
Tool bag incl. accessories (roll-up case Code 790 048 345)	PCS	1
Saw blade lubricant GF TOP (Code 790 060 228)	Tube	1
Operating instructions with spare parts list	set	1



PS 4.5 Plus

Technical specifications are non-binding. They do not constitute any assurance of properties. We reserve the right to make changes.

\*Line laser already mounted at machine on delivery