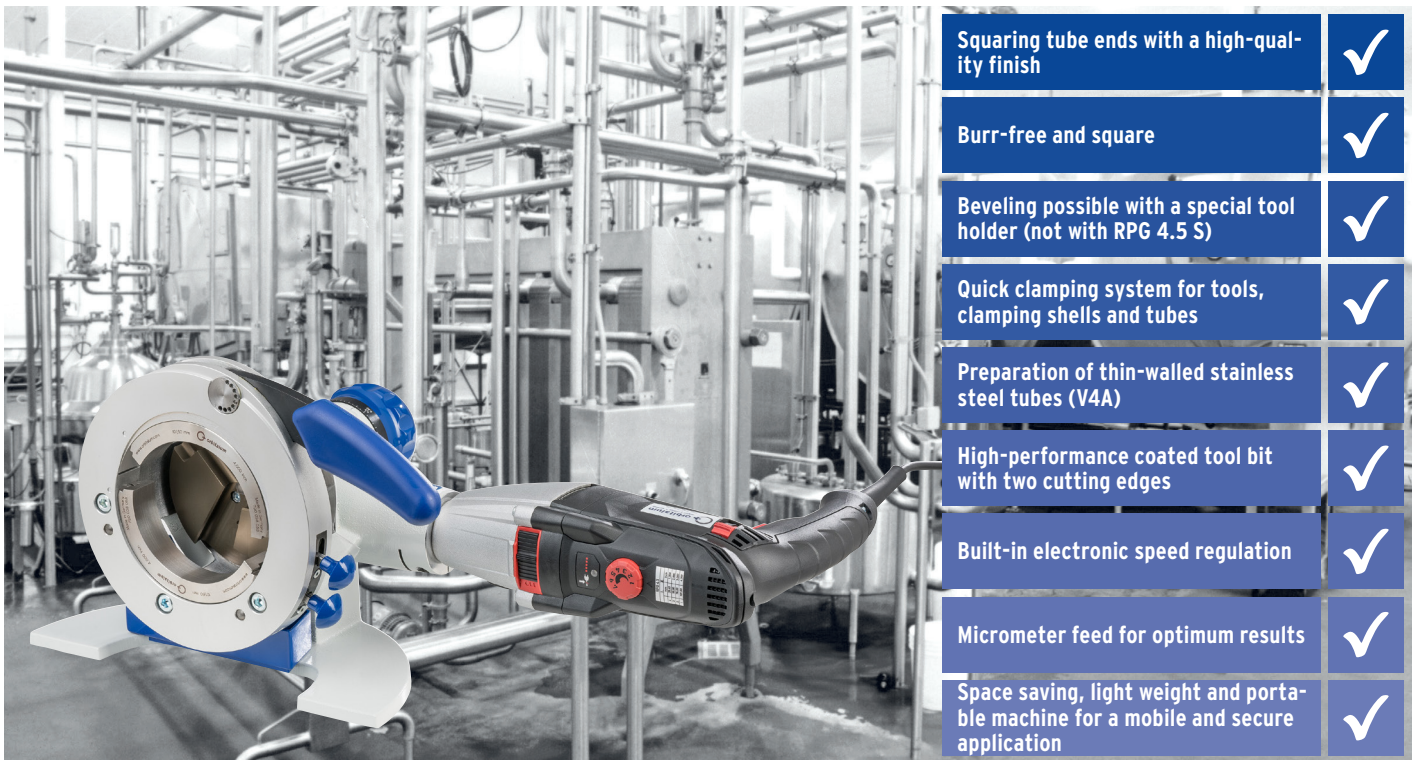


RPG 3.0 (cordless), RPG 4.5 (S), RPG 8.6

Tube squaring machines

In manual welding technology, quality pipe end processing is absolutely essential from an economic perspective. A high quality of pipe-end machining is absolutely required from a technical viewpoint in automated welding, the so-called "orbital welding". Orbitalum has developed the squaring tube machines RPG 3.0 (cordless), RPG 4.5, RPG 4.5 S and RPG 8.6. The perfect solution for the demanding, quality preparation of pipe ends for orbital welding!



With high precision, the user can process tubes with an outer diameter of 6.0 mm - 77.0 mm with the RPG 3.0 (cordless). The RPG 4.5 can machine tube ends up to 114.4 mm (4.5") and the RPG 8.6 up to 219.1 mm (8.6") tube outer diameter quickly, burr-free and absolutely square.

Low operating costs for processing tubes are a big advantage. Our symmetric, exchangeable stainless steel and aluminum clamping shells (not for RPG 4.5 S) allow for a quick and easy tool change without any tool. A dimension change no longer requires a lot of time. The operator can work comfortably thanks to the ergonomic design of the machine, and can also save time.

All multifunctional tools (MFW) are two-sided tool bits with protective coating against tool wear. This enables the preparation of tubes made of high-alloy, unalloyed and low-alloy steels and aluminum with high precision very quickly and efficiently. Clean and secure working area with a clear view of the cutting head.

The RPG 3.0, RPG 4.5 (S) and RPG 8.6 are equipped with a high-quality, powerful drive with 230 Volt and/or 120 Volt. The RPG 3.0 is also available as a cordless version (230 V or 115 V), with powerful and environmentally friendly lithium-ion technology. The machines and accessories are supplied in a handy, durable storage and shipping case.

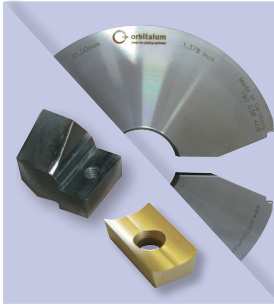
ADDITIONAL FEATURES OF THE RPG 4.5 S:

The tube squaring machine RPG 4.5 S is characterized by its universal vice-clamping system. With this particularly economical alternative to other conventional dimension-specific clamping shells, tubes can be centered, clamped and processed in the easiest way possible.

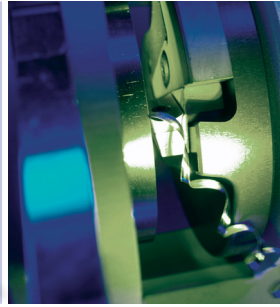
- Integrated clamping jaws made from coated cast aluminum for different tube diameters
- Cost-effective as no dimension-specific clamping shells required
- Multi-point clamping of the tube



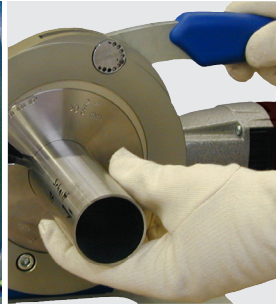
Including durable storage and shipping case



Including tool holder WH and multifunctional tool MFW. A wide range of stainless steel clamping shells are optional available



Burr-free and square



Quick clamping system for tools, clamping shells and tubes



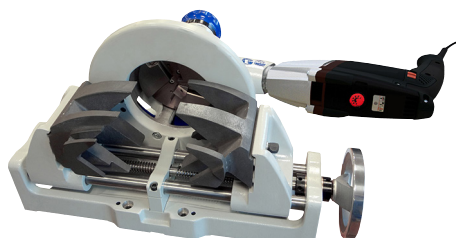
Application area: Process plant builders for the high-purity gas, electronic, pharmaceutical, food, beverage, solar as well as the chemical industry

APPLICATION RANGE		RPG 3.0	RPG3.0 CORDLESS	RPG 4.5	RPG 4.5 S	RPG 8.6
Code	[230 V]	790 031 001	790 031 011	790 038 001	790 038 011	790 039 001
	[110 V]	790 031 003	-	790 038 003	-	790 039 003
	[120 V]	790 031 002	-	790 038 002	790 038 012	790 039 002
	[115 V]	-	790 031 012	-	-	-
Tube OD	[mm]	6,0-77,0	6,0-77,0	12,7 - 114,3	12,7 - 114,3	50,8 - 219,1
	[inch]	0,24-3,0	0,24-3,0	0,5 - 4,5	0,5 - 4,5	2 - 8,6
Wall thickness max.	[mm]	3,0	3,0	3,0	3,0	3,6
	[inch]	0,118	0,118	0,118	0,118	0,142
Tube materials	High-alloy steels, unalloyed and low-alloy steels and aluminum. Others on request.					
TECHNICAL DATA		RPG 3.0	RPG3.0 CORDLESS	RPG 4.5	RPG 4.5 S	RPG 8.6
Dimensions (including motor)	[mm]	460 x 245 x 185	325 x 245 x 185	460 x 260 x 230	610 x 380 x 270	500 x 350 x 350
	[inch]	18.1 x 9.6 x 7.3	12.8 x 9.6 x 7.3	18.1 x 10.2 x 9.1	24 x 15 x 10.6	19.7 x 13.8 x 13.8
Power	[W]	1100	-	1010	1010	1010
Protection class	[class]	II	II (Ladegerät)	II	II	II
Speed (max. idling speed)	[min ⁻¹]	8-52	0-30 (1.Gang)	8 - 52	8 - 52	7 - 18
Vibration level (EN 60745)	[m/s ²]	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5
Noise level at the workplace (EN 23741)	[dB (A)]	Idle running approx. 83	Idle running approx. 83	Idle running approx. 83	Idle running approx. 83	Idle running approx. 83
SCOPE OF DELIVERY		RPG 3.0	RPG3.0 CORDLESS	RPG 4.5	RPG 4.5 S	RPG 8.6
Tube squaring machine	Pc.	1	1	1	1	1
Durable storage and shipping case	Pc.	1	1	1	1	1
Tool holder WH (Code 790 038 320)	Pc.	1	1	1	1	1
Multifunctional tool MFW (Code 790 038 314)	Pc.	1	1	1	1	1
Tool set	Set	1	1	1	1	1
Operating instructions and spare parts list	Set	1	1	1	1	1

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



RPG 4.5



RPG 4.5 S



RPG 8.6



RPG 3.0



RPG 3.0 Akku