

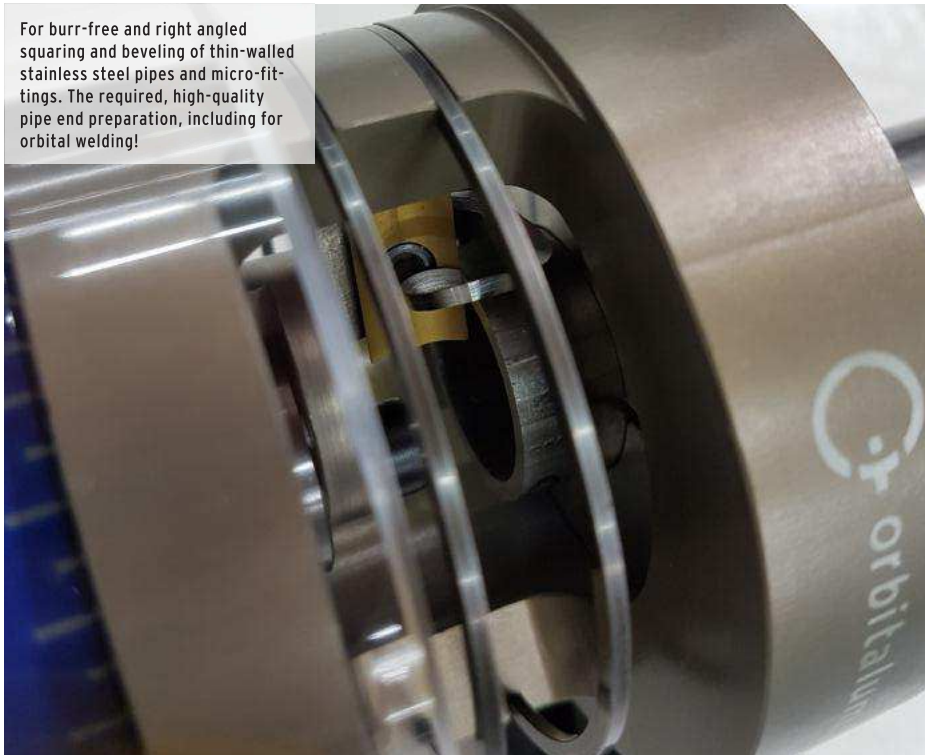
RPG ONE, RPG 1.5

Tube squaring machines (electric/battery)

The RPG series stands for ease of use and particularly economical processing.

The domains of the RPG XS series include squaring (I-seam) thin-walled stainless steel pipes and micro-fittings, as well as unalloyed and low-alloyed steels, aluminum, titanium. The machines fit excellently in the hand and its size and weight can hardly be surpassed. Users can select the appropriate clamping collars from the range of accessories for each diameter.

For burr-free and right angled squaring and beveling of thin-walled stainless steel pipes and micro-fittings. The required, high-quality pipe end preparation, including for orbital welding!



Generates a tube squaring surface with very high surface finish	✓
Burr-free and right-angled	✓
Beveling possible with special holder (RPG 1.5 only)	✓
Quick change system for tools, clamping collars and pipes	✓
Machining of thin-walled stainless steel pipes (V4A) and micro-fittings	✓
Base plate with 2 cutting edges and high-performance coating	✓
Electric versions with speed controlled electric motor with speed stabilization	✓
Battery versions with powerful and environment-friendly lithium-ion technology	✓
Portable and light machine for mobile and safe use	✓

Pipe and installation manufacturers from the high-purity gas, electronics, pharmaceuticals, food processing, beverages, solar and chemical industries benefit from the mobile, high-quality and burr-free processing of pipe ends with our RPG series.

Tools, clamping shells and pipes can be replaced with the quick change system easily and without additional accessories.

All multifunctional tools (MFW) have 2 cutting edges and high-performance coating against wear. This way pipes made of unalloyed, low-alloyed and high-alloyed steel can be processed rapidly and economically with high precision.

In case of an extension or repair of an existing plant we offer the optimum, network-independent solution for tight spaces with the **battery variant**. The battery drive has been adapted to the requirements of the customer. The machine and accessories are supplied in a handy transport case, including a 230V charger

for the European market or a 120V charger for the American market.

ADDITIONAL ADVANTAGES:

- Feed with millimeter graduation for an optimum result
- No additional tools required for processing
- Modular design enables compatibility within the RPG series

ELECTRIC VERSIONS:

- Rotatable and removable drive
- Speed-controlled electric motor with speed stabilization
- Vario-Tacho-Constamatic (VTC) full-wave electronic control
- Inhibitor protection prevents an inadvertent startup of the machine after repeated power supply or in case of voltage recovery after power failure
- Adjustment wheel for speed selection
- Robust marathon motor

- Overload protection
- Cut-off carbon brushes
- Carbon wear display

BATTERY VERSIONS:

- Short overall length
- Lithium-ion technology
- Brushless motor with high performance and small size
- No memory effect
- Single cell monitoring in rechargeable battery pack
- Electronic overload protection with integrated temperature monitor
- Robust rechargeable battery packs with capacity indicator
- Low self-discharge
- Environmentally friendly
- AIR COOLED technology for short charging times and a long service life



Speed-controlled electric motor with speed stabilization



Battery motors with powerful and environment-friendly lithium-ion technology

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

APPLICATION AREA		RPG ONE	RPG ONE BATTERY	RPG 1.5	RPG 1.5 BATTERY
Code	[230 V]	790 036 031	790 036 021	790 037 001	790 037 011
	[115 V]	-	790 036 022	-	790 037 012
	[120 V]	790 036 032	-	790 037 002	-
	[110 V]	790 036 033	-	790 037 003	-
Pipe OD min. - max.	[mm]	3.0* - 25.4	3.0* - 25.4	3.0* - 38.1	3.0* - 38.1
	[inch]	0.118* - 1.0	0.118* - 1.0	0.118* - 1.5	0.118* - 1.5
Wall thickness max.	[mm]	2.0	2.0	3.0	3.0
	[inch]	0.079	0.079	0.118	0.118
Materials	High-alloyed steels (special steel material no. 1.40... - 1.45... according to DIN 17455 and DIN 17456), unalloyed and low-alloyed steel, aluminum.				
TECHNICAL SPECIFICATIONS		RPG ONE	RPG ONE BATTERY	RPG 1.5	RPG 1.5 BATTERY
Dimensions (LxDxH)	[mm]	390 x 70 x 200	261 x 80 x 255	400 x 160 x 350	275 x 90 x 255
	[inch]	15.4 x 2.8 x 7.9	10.3 x 3.2 x 10	15.8 x 6.3 x 13.8	10.8 x 3.5 x 10
Tool speed	[rpm]	145 - 380	0 - 500	145 - 380	0 - 500
Power	[W]	1100	-	1100	-
Exchangeable battery voltage	[V]	-	18	-	18
Capacity	[Ah]	-	4.0	-	4.0
Sound pressure level at the workplace (EN 23741)	[dB (A)]	Approx. 78	Approx. 78	Approx. 78	Approx. 78
Vibration level (EN 50144)	[m/s ²]	< 2.5	< 2.5	< 2.5	< 2.5
SCOPE OF DELIVERY		RPG ONE	RPG ONE BATTERY	RPG 1.5	RPG 1.5 BATTERY
Tube squaring machine	PCS.	1	1	1	1
Transport case	PCS.	1	1	1	1
Exchangeable batteries	PCS.	-	2	-	2
Charger	PCS.	-	1	-	1
Overload fuse (square nut)	PCS.	-	-	-	-
Tool holder WH (Code 790 ...)	PCS.	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)
Multifunctional tool MFW (Code 790 038 314)	PCS.	1	1	1	1
Tool key	Set	1	1	1	1
Operating instructions and spare part list	Set	1	1	1	1
Base plate for battery machines is optionally available on request (Code 790 037 169)					

* Field of application with standard tool holder (Code 790 037 152) as of 6.0mm/0.236" possible. With special tool holder (Code 790 037 161) as of 3.0mm/0.118".



RPG ONE



RPG 1.5



RPG ONE battery



RPG 1.5 battery