

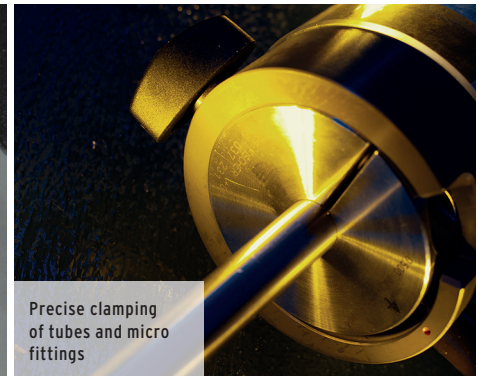
RPG XS, RPG ONE, RPG 1.5, RPG 2.5

Tube squaring machines (Electric/Cordless)

The RPG series represent ease of use and particularly economical clamping. The capabilities of our RPG range include squaring (I-seam) thin-walled stainless steel tubes and micro-fittings, as well as unalloyed and low-alloyed steels, aluminum and titanium. The machines fit excellently in the hand as their size and weight can hardly be surpassed. Users can select the appropriate clamping shells from the range of accessories for each diameter.



Designed for burr-free squaring and beveling of thin-walled stainless steel tubes and micro fittings. For the required, high quality tube end preparation for orbital welding!



Precise clamping of tubes and micro fittings



Built-in electronic speed regulation with speed stabilization



Environmentally friendly cordless versions thanks to lithiumion technology

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.

Due to the quick tool change system, tools, clamping shells and tubes can be easily changed without using any additional equipment. 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.

With the **cordless version**, we offer the optimal solution, which is independent of an electricity supply, for extending or repairing an existing plant with limited space availability. The cordless drive was designed to meet customer requirements.

The machines and accessories are supplied in a handy, durable storage and shipping case - the cordless versions additionally with a 230 V charger for the European market or a 120 V charger for the American market.

- Squaring tube ends with a high-quality finish
- Burr-free and square
- Beveling possible with a special tool holder
- Quick clamping system for tools, clamping shells and tubes
- Preparation of thin-walled stainless steel tubes (V4A) and micro fittings
- High-performance coated tool bit with two cutting edges
- Micrometer feed for optimum results
- No additional tools required for operation
- Space saving, light weight and portable machine for a mobile and secure application
- Modular design, ensuring compatibility within the RPG series

- The special adaptor clamping shell allows the RPG 2.5 to be used with the clamping shells for the RPG 1.5 machines.

ADDITIONAL FEATURES OF THE ELECTRIC VERSIONS:

- Machine with rotating/removable drive
- Built-in electronic speed regulation with speed stabilization: Vario-Tachometer-Constamatic (VTC) full wave electronics
- Restart protection to prevent the machine from starting in an uncontrolled way after it has been re-connected to the electric mains or after the voltage supply has been reestablished after a power failure
- RPM regulator
- Sturdy marathon motor
- Overload protection
- Shut-off carbon brushes
- Carbon wear indicator

APPLICATION RANGE		RPG XS	RPG ONE	RPG ONE CORDLESS	RPG 1.5	RPG 1.5 CORDLESS	RPG 2.5	RPG 2.5 CORDLESS
Tube OD min.-max.	[mm]	3.0* - 19.05	3.0* - 25.4	3.0* - 25.4	3.0* - 38.1	3.0* - 38.1	3.0* - 63.5	3.0* - 63.5
	[inch]	0.118* - 0.75	0.118* - 1.0	0.118* - 1.0	0.118* - 1.5	0.118* - 1.5	0.118* - 2.5	0.118* - 2.5
Wall thickness max.	[mm]	2.0	3.0	3.0	3.0	3.0	3.0	3.0
	[inch]	0.079	0.118	0.118	0.118	0.118	0.118	0.118
Tube materials		High-alloy steels (stainless steel material no. 1.40... to 1.45... as per DIN 17455 and DIN 17456), unalloyed and low-alloy steels, aluminum.						
TECHNICAL DATA		RPG XS	RPG ONE	RPG ONE CORDLESS	RPG 1.5	RPG 1.5 CORDLESS	RPG 2.5	RPG 2.5 CORDLESS
Dimensions (lxwxh)	[mm]	217 x 53 x 187	390 x 70 x 200	261 x 80 x 255	400 x 160 x 350	275 x 90 x 255	500 x 170 x 300	260 x 320 x 300
	[inch]	8.5 x 2.1 x 7.4	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	19.7 x 6.7 x 11.8	10.2 x 12.6 x 11.8
Built-in electronic variable cutting speed	[rpm]	0 - 350	145 - 380	0 - 400	145 - 380	0 - 400	1. speed: 9 - 2 2. speed: 27 - 153	1. speed: 0 - 24 2. speed: 0 - 83
Power	[W]	-	1100	-	1100	-	1100	-
Voltage of rechargeable battery	[V]	10.8	-	18	-	18	-	18
Capacity	[Ah]	1.5	-	2.6	-	2.6	-	2.6
Noise level at the workplace (EN 23741)	[dB (A)]	approx. 78	approx. 78	approx. 78	approx. 78	approx. 78	approx. 78.2	approx. 78.2
Vibration level (EN 50144)	[m/s ²]	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
SCOPE OF DELIVERY		RPG XS	RPG ONE	RPG ONE CORDLESS	RPG 1.5	RPG 1.5 CORDLESS	RPG 2.5	RPG 2.5 CORDLESS
Tube squaring machine	Pc.	1	1	1	1	1	1	1
Durable storage and shipping case	Pc.	1	1	1	1	1	1	1
Rechargeable batteries	Pc.	2	-	2	-	2	-	2
Battery charger	Pc.	1	-	1	-	1	-	1
Overload protection (square nut)	Pc.	-	-	-	1	1	1	1
Tool holder WH (Code 790 ...)	Pc.	1 (... 033 150)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)
Multifunctional tool MFW (Code 790 038 314)	Pc.	1	1	1	1	1	1	1
Adapter clamping shell (Code 790 030 094)	Pc.	-	-	-	-	-	1	1
Tool set	Set	1	1	1	1	1	1	1
Operating instructions and spare parts list	Set	1	1	1	1	1	1	1

Bench stand for cordless machines optional available (Code 790 037 169)

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

* Application range with standard tool holder (Code 790 037 152) is from 6.0 mm/0.236" OD. With special tool holder (Code 790 037 161) 3.0 mm/0.118" OD is possible. For the RPG 2.5 (battery) only with a special adapter clamping shell (included in the standard scope of delivery of the RPG 2.5).

ADDITIONAL FEATURES OF THE CORDLESS VERSIONS:

- Very short design
- Lithium-ion technology
- Motor with high performance and small size
- No memory effect
- Single cell monitoring in the cordless pack
- Electronic overload protection with integrated temperature monitor
- Robust cordless packs with capacity display
- Minimal self-discharge
- Environmentally friendly
- AIR-COOLED technology for short charging times and a long service life

