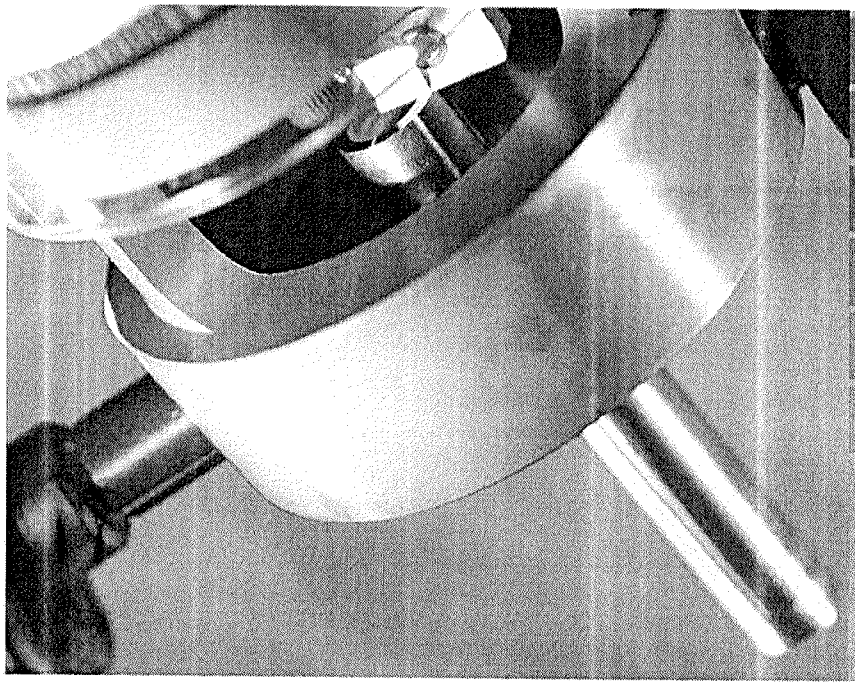
RPG ONE, RPG 1.5, RPG 2.5

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.



- 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 ✓
- Electric versions with built-in electronic speed regulation with speed stabilization ✓
- Environmentally friendly cordless versions thanks to lithium-ion technology ✓
- Space saving, light weight and portable machine for a mobile and secure application ✓

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.

FURTHER ADVANTAGES:

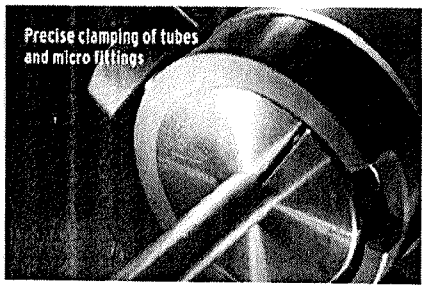
- Micrometer feed for optimum results
- No additional tools required for operation
- Modular design, ensuring compatibility within the RPG series
- The special adaptor clamping shell allows the RPG 2.5 to be used with the clamping shells for the RPG 1.5 machines.

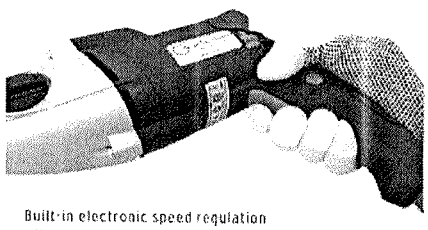
ELECTRIC VERSIONS:

- 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

CORDLESS VERSIONS:

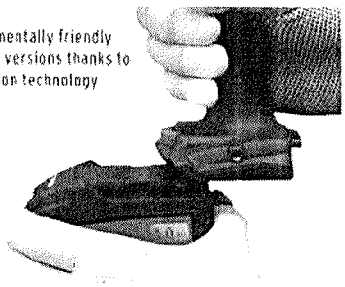
- Short design
- Lithium-ion technology
- Motor with high performance and small size
- No memory effect
- Single cell monitoring in the cordless pack
- Electronic overload protection with integrated temperature monitor
- Robust cordless packs with capacity display
- Minimal self-discharge
- Environmentally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





Built-in electronic speed regulation
with speed stabilization

Environmentally friendly
cordless versions thanks to
lithium-ion technology



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		RPG ONE	RPG ONE CORDLESS	RPG 1.5	RPG 1.5 CORDLESS	RPG 2.5	RPG 2.5 CORDLESS
Code	(230 V)	790 036 031	790 036 021	790 037 001	790 037 011	790 030 001	790 030 011
	(115 V)	-	790 036 022	-	790 037 012	-	790 030 012
	(120 V)	790 036 032	-	790 037 002	-	790 030 002	-
	(110 V)	790 036 033	-	790 037 003	-	790 030 003	-
Tube OD min.-max.	(mm)	3.0* - 25.4	3.0* - 25.4	3.0* - 38.1	3.0* - 38.1	3.0* - 65.0	3.0* - 65.0
	(inch)	0.118* - 1.0	0.118* - 1.0	0.118* - 1.5	0.118* - 1.5	0.118* - 2.559	0.118* - 2.559
Wall thickness max.	(mm)	3.0	3.0	3.0	3.0	3.0	3.0
	(inch)	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 ONE	RPG ONE CORDLESS	RPG 1.5	RPG 1.5 CORDLESS	RPG 2.5	RPG 2.5 CORDLESS
Dimensions (lxwxh)	(mm)	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)	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)	145 - 380	0 - 500	145 - 380	0 - 500	1. speed: 9 - 52 2. speed: 27 - 153	1. speed: 0 - 29 2. speed: 0 - 100
Power	(W)	1010	-	1010	-	1010	-
Voltage of rechargeable battery	(V)	-	18	-	18	-	18
Capacity	(Ah)	-	4.0	-	4.0	-	4.0
Noise level at the workplace (EN 23741)	(dB (A))	approx. 78	approx. 78	approx. 78	approx. 78	approx. 78.2	approx. 78.2
Vibration level (EN 50144)	(m/s²)	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5

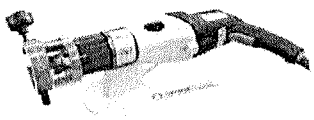
SCOPE OF DELIVERY		RPG ONE	RPG ONE CORDLESS	RPG 1.5	RPG 1.5 CORDLESS	RPG 2.5	RPG 2.5 CORDLESS
Tube squaring machine	Pc.	1	1	1	1	1	1
Durable storage and shipping case	Pc.	1	1	1	1	1	1
Rechargeable batteries	Pc.	-	2	-	2	-	2
Battery charger	Pc.	-	1	-	1	-	1
Overload protection (square nut)	Pc.	-	-	-	-	1	1
Tool holder WH (Code 790 ...)	Pc.	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)	1 (... 037 152)
Multi-functional tool MFW (Code 790 038 314)	Pc.	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
Operating instructions and spare parts list	Set	1	1	1	1	1	1

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

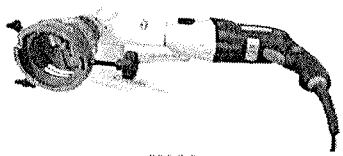
* Application range with standard tool holder (Code 790 037 152) is from 6.0 mm/0.236" OD. With special tool holder (Code 790 037 161) 3.0 mm/0.118" OD is possible



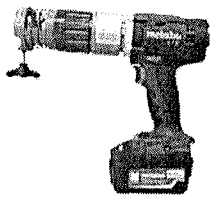
RPG ONE



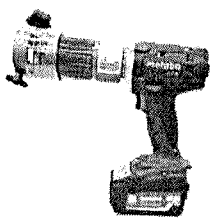
RPG 1.5



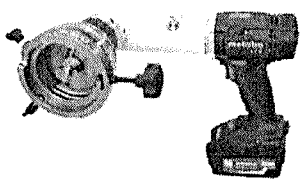
RPG 2.5



RPG ONE Cordless



RPG 1.5 Cordless



RPG 2.5 Cordless