

Robust, compact high performance machine for threading, cutting, deburring, threading of nipples, roll grooving. For installation, metalworking, industry. For job site and workshop.

Pipe threads (1/16) 1/2–4", 18–63 mm
Bolt threads (6) 20–60 mm, 1/2–2"

Thread types see page 40.

Pipe grooving with REMS roll grooving attachment DN 25–300
1–12"

REMS Magnum – the super machine up to 4". Exceptionally round and clean threads up to 4" by using 6 threading dies.

Operating principle

Rotating material - stationary tools.

Design

Robust, compact, job site-proven design. Favorable size and weight, e.g. REMS Magnum 4000 L-T only 81 kg. Large work and chip compartment. Tool support.

2 versions:

- Light version L-T with removable large oil basin and chip tray.
 - Version T with integrated, even larger oil basin and chip tray.
- For workbench. Stand, collapsible wheel stand or wheel stand with material shelf, as an accessory, for easy transport, optimum working height and stable positioning.

Drive

Extremely powerful and fast. Completely maintenance-free gear which runs in a sealed oil bath.

Choice of 3 powerful motors:

- Strong universal motor, 1700 W. Overload protection. Spindle speed 23 rpm.
- Pole-reversible capacitor motor, 2100 W. Overload protection. 2 spindle speeds 20 and 10 rpm, also under full load. **Extremely quiet running.**
- Pole-reversible 3~ induction motor, 2000 W. Overload protection. 2 spindle speeds 20 and 10 rpm, also under full load. **Extremely quiet running.**

Operator-friendly safety foot switch with emergency-stop, 2-step. Foot switch, can be loaded with the full body weight during operation.

Chuck

Proven quick-action hammer chuck, self-tightening. No slipping of pipes. Large space between chuck and centering device ensures secure clamping of long pipes. Rear centering device for alignment of the material. Collets are available for clamping pipes $\varnothing 1/2''$ and bolts $\varnothing 18\text{ mm}$.

Automatic lubrication and cooling

Robust, proven oil pump with high pumping volume. Optimized oil distribution directly onto the threading point through the die head ensures clean threads and long service life of dies, gear and motor.

Universal automatic die head

Only 1 universal automatic die head each for the sizes 1/16–2" and 2 1/2–4" for all threads, including long threads; automatic opening with automatic thread-length-stop for tapered threads. 6 dies 2 1/2–4" ensure a favourable distribution of the cutting force onto the pipe, hence round and clean threads. Fast and easy adjustment of thread size. Simple and fast change of dies through lock-in positioning in die holder.

Dies

The proven, indestructible REMS quality dies with precise cutting geometry ensure an excellent start-cutting performance, easy threading and clean threads. Dies in a high-quality special-grade steel, fully tempered and hardened, for extremely long die life.

Pipe cutter

Self centering. Robust body made of forged steel. Ergonomic, wide handle for powerful infeed of spindle. Specially hardened cutter wheel in tough-hard REMS die-steel ensures long service life.

Inner pipe deburrer

Robust, easy-to-handle deburring device for adjustable deburring positioning. Specially hardened and designed deburring blade ensures easy deburring and extremely long service life. Two cutting edges for optimum chip flow, specially for small diameters.

Tool sets

For 2 1/2–4" and 1/2–2" one complete tool set each adapted to the work range with universal die head, pipe cutter, inner-pipe-deburring device, pressing lever, dies.



German Quality Product



Choice of 3 powerful motors.



Thread-cutting oil

REMS Sanitol and REMS Spezial (page 49). Specially developed for threading. High cooling and lubricating effect. Essential for clean threads and longer service life of dies, tools and machines.

Nipple-threading

Efficient with automatic internal clamping REMS Nippelfix ½–4" or with manual internal clamping REMS Nippelspanner ¾–2" (page 48).

REMS roll grooving attachment

Robust, compact roll grooving attachment with oil hydraulic in-feed for pipe grooving of grooved coupling systems DN 25–300, 1–12" (page 50).

Supply format

REMS Magnum. Threading machine for pipe threads (1/16) ½–4", 16–63 mm, bolt threads (6) 18–60 mm, ½–2". With maintenance-free gear, safety foot switch with emergency-stop, self-tightening quick-action hammer chuck, rear centering device, automatic lubrication and cooling. With tool sets 1/16–2" and/or 2½–4", each consisting of universal automatic die head for all threads, also long threads; automatic opening, with automatic thread-length-stop for tapered threads, dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R right-hand, pipe cutter, inner pipe deburrer, pressing lever. Tool support. Choice of 3 motors. Version L-T with removable large oil basin and chip tray. Version T with integrated, even larger oil basin and chip tray. For workbench, stand, collapsible wheel stand or wheel stand with material shelf. In a carton.

Description	Version/Equipment	Art.-No.	
4000 L-T	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 23 rpm.		
	Equipment R ½–2	380447	
	Equipment R 2½–4	380441	
	Equipment R ½–4	380444	
4010 L-T	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 20/10 rpm, also under full load. Extremely quiet running.		
	Equipment R ½–2	380448	
	Equipment R 2½–4	380442	
	Equipment R ½–4	380445	
4020 L-T	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 20/10 rpm, also under full load. Extremely quiet running.		
	Equipment R 2½–4	380443	
	Equipment R ½–4	380446	
4000 T*	Universal motor 230 V or 110 V, 50–60 Hz, 1700 W. 23 rpm.		
	Equipment R 2½–4	380426	
	Equipment R ½–4	380429	
4010 T*	Pole-reversible capacitor motor 230 V, 50 Hz, 2100 W. 20/10 rpm, also under full load. Extremely quiet running.		
	Equipment R 2½–4	380427	
	Equipment R ½–4	380430	
4020 T*	Pole-reversible 3~ induction motor 400 V, 50 Hz, 2000 W. 20/10 rpm, also under full load. Extremely quiet running.		
	Equipment R 2½–4	380428	
	Equipment R ½–4	380431	

Other voltages and NPT versions on request.

*T versions with REMS roll grooving device for roll grooving can only be used up to DN 200, 8".

Accessories

Description	Art.-No.
Stand	344105
Wheel stand with material shelf	344100
Collapsible wheel stand	344150
Dies see page 40.	
Tool set R ½–2" complete with universal automatic die head 1/16–2", dies for pipe threads, tapered, ISO 7-1, EN 10226 (DIN 2999, BSPT) R ½–¾" and R 1–2" right-hand, pipe cutter, inner pipe deburrer, pressing lever.	340100
Universal automatic die head 1/16–2" and others	341000
Universal automatic die head 2½–4"	381000
REMS cutter wheel St ½–4", s 8	341614
REMS cutter wheel St 1–4", s 12	381622
Thread-cutting oil see page 49.	
Nipple holder see page 48.	
REMS Herkules material supports , see page 105.	
REMS roll grooving attachment for pipe grooving, see page 50.	347000

