



CABLE DEREELERS



**VERY STURDY
HIGH PERFORMANCE
VERY EASY HANDLING**

AUTOMATIC FEEDING OF CABLES

Are you looking for a system that can be easily integrated into new or existing production lines?

The processing speed of our easily operated dereelers adapts itself to the speed of the downline processing machine. The mounted reservoir transports your cables gently and with controlled tension. That avoids length deviations caused by uncontrolled elongation of the cable during feeding.

Cable spools can be quickly changed with no great effort, irrespective of their weight, by rolling in at floor level. Furthermore, additional loops on the cable reservoir allow thinner and flexible cables to be processed also without changing over.

Our dereelers which satisfy the high safety standard to CE are powerful and sturdy machines that can withstand even the highest loads. Minimised maintenance means low maintenance costs.

Your production is important to us. Just like you, we make high demands on our machine and invest a great deal of time in the development of perfect solutions for you.

Benefit from our decades of experience in this special field

RAMA SERIES

Cable recoil detection

The cable recoil detection reacts to the faulty feeding device e.g. if the cable end is fastened to the cable spool or the cable has jammed on the spool.

Cable reservoir

The cable reservoir mounted on the machine is responsible for the gentle transport with controlled tensile force. The reservoir filling (number of cable metres) also determines the possible processing speed with the downline processing machine.

Cable spool holder/clamping system/spool centering

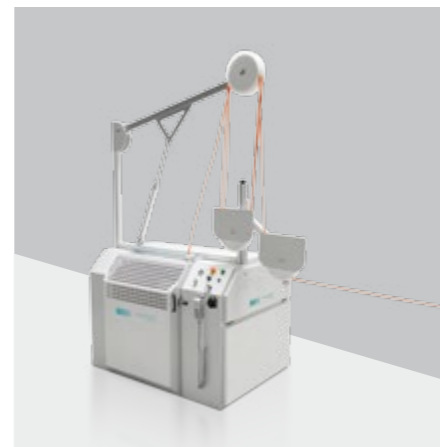
This unique spool clamping system was developed by ramatech to allow the operator the easiest possible handling of the cable spools. Even heavy cable spools can be rolled into the dereeler and easily lifted and clamped using the hand-held control pendant. Special spool centering devices ensure safe operation, and driving pins and spool axles become superfluous (with exception of rama 1600)

Additional loops

You are operating a machine with the reservoir for rigid and large diameters. With the additional loops option you can also easily process flexible and thinner cables. The option is available with one additional loop or with two additional loops, depending on the cable type.

Cable end control / cable end clamp

The cable end control detects when a cable spool has come to an end by means of a sensor. As soon as this message is received, the machine is switched off. As an option also a cable end clamp device is available. This additionally clamps the cable when the cable end is detected.



rama 800

Cable spool diameter up to 800 mm
Cable spool width up to 650 mm
Cable spool weight up to 300 kg
Available with right or left door version
Available with hanging reservoir for very sensitive cable types (tension)



rama 1000

Cable spool diameter up to 1050 mm
Cable spool width up to 750 mm
Cable spool weight up to 600 kg
Available with right or left door version
On request available with right or left production reservoir



rama 1250

Cable spool diameter up to 1260 mm
Cable spool width up to 850 mm
Cable spool weight up to 1000 kg
Pneum. swinging arm reservoir
Available with a special spool moving plate.



rama 1600

Cable spool diameter up to 1600 mm
Cable spool width up to 1150 mm
Cable spool weight up to 2000 kg
With a spool shaft and two centering cones the spool is brought by a forklifter into the dereeler. The dereeler for heavy weights!

TECHNICAL SPECIFICATION

Performance	rama 800	rama 1000	rama 1250	rama 1600
Cable spool diameter	up to 800 mm	up to 1050 mm	up to 1260 mm	bis 1600 mm
Cable spool width	up to 650 mm	up to 750 mm	up to 850 mm	bis 1150 mm
Cable spool weight	up to 300 kg	up to 600 kg	up to 1000 kg	bis 2000 kg
Max. cable outside diameter Version 18 Version 35	18 mm 35 mm	18 mm 35 mm	18 mm 35 mm	18 mm 35 mm
Max. Cable spool speed	190 min ⁻¹	190 min ⁻¹	190 min ⁻¹	185 min ⁻¹
Cable reservoir volume 1 additional loop (2 pulleys) 2 additional loops (4 pulleys)	1,5 - 3 m standard up to 4,5 m up to 6 m	1,5 - 3 m standard up to 4,5 m up to 6 m	with swinging arm reservoir	with swinging arm reservoir
Spool clamping system	ramatech spool clamping system	ramatech spool clamping system	ramatech spool clamping system	with spool shaft
Operation	Hand-held remote control	Hand-held remote control	Hand-held remote control	Hand-held remote control
Interfaces	Communication interface to cable processing machines			
Drive	Variable-frequency 3-phase AC motor with electro-mechanical brake			
Electrical connection	3x400 VAC, N 25A	3x400 VAC, N 25A	3x400 VAC, N 32A	3x400 VAC, N 32A
Compressed air supply	6 bar	6 bar	6 bar	6 bar
Dimension (LxWxH)	1500 x 1000 x 1000 mm	1770 x 1320 x 1200 mm	1920 x 1580 x 1380 mm	3200 x 2000 x 2320 mm
Weight	460 kg	625 kg	845 kg	1250 kg



Automatic feeding of cables using the dereeling systems from ramatech all models are working as a fully integrated part of a processing line



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