



ramatech
systems ag



CUTTING AND STRIPPING MACHINES



HIGH PERFORMANCE
SHORT CHANGE OVER TIMES
EASY HANDLING

POWERFUL, PRECISE AND DIVERSELY EXPANDABLE

The cable cutting and stripping machines from ramatech form an outstandingly powerful and flexible cable processing centre. Cables with a diameter of between 4 mm and 35 mm and a cross-section of up to 300 mm² are precisely cut to length (machines RS 35 / 35H) and selectively stripped to lengths > 10 mm (Speedy 35 / 35H). With their individual touchscreen user monitor, all types offer customisable operability including the flexible creation of orders and material properties, as well as simple conversion from job and article lists.

The optional hydraulic cutting unit (Speedy 35H / RS 35H) is characterised by unrivalled power reserves for hard-to-process cables with a high copper content and a cross-section of up to 300 mm².

The cutting and stripping machines from ramatech can be fitted with an ink-jet printer for labelling the cables. A longitudinal slitting unit is available for the cutting and stripping machine Speedy 35. The versatile and powerful peripherals (prefeed and follow-up machines) from ramatech enable the single machines to be effortlessly and flexibly extended to create a complete cable processing line.



Printing with Ink-Jet:

Prints in several colors double sided during production process, especially for pre-marked cables the prints are clearly legible. Absolutely no cable waste because the Ink-Jet print head is just placed beside the cutting unit.

Slitting Unit:

Single and double sided slitting unit for intermediate strip and for long stripping length (at the beginning and the end of cable)

Hydraulic Cutting Unit: (Speedy 35H and RS 35 H)

The power cutting unit for special cable ranges, where other machines are limited (Difficult cables with high copper content or diameters up to 300 mm²).

CUTTING & STRIPPING MACHINE SPEEDY 35

The high performance processing center for cables with a diameter between 4 and 35 mm has a careful cable transport through use of transport belts.

Easy and user-friendly operation with 12" Touch Monitor

The new Speedy software platform guides the user step by step, reliably and conveniently through the menu thanks to an excellent user navigation.

Very easy integration of prefeeding systems, cable coilers and wire stackers

The predefined configuration allows a very easy connection and integration of prefeeders, cable reel rack systems as well as cable coilers and wire stackers.

Flexible entry of cable sets

Free priority definition of process sequences for cable set lists

Easy conversion of already existing process or cable lists

Process data could be transferred directly or via processing list into the production of the Speedy software

Minimal changeover time with pluggable components.

CUTTING MACHINE RS 35

The strong cutting machine for cables with diameter up to 35 mm.

Special detection roll – no false slip

Easy handling, fast and rational entry of cable data via LCD Terminal.

Cutting in double rings (middle marking)

Production directly from a reel rack system without any reservoir system (regulated tension).

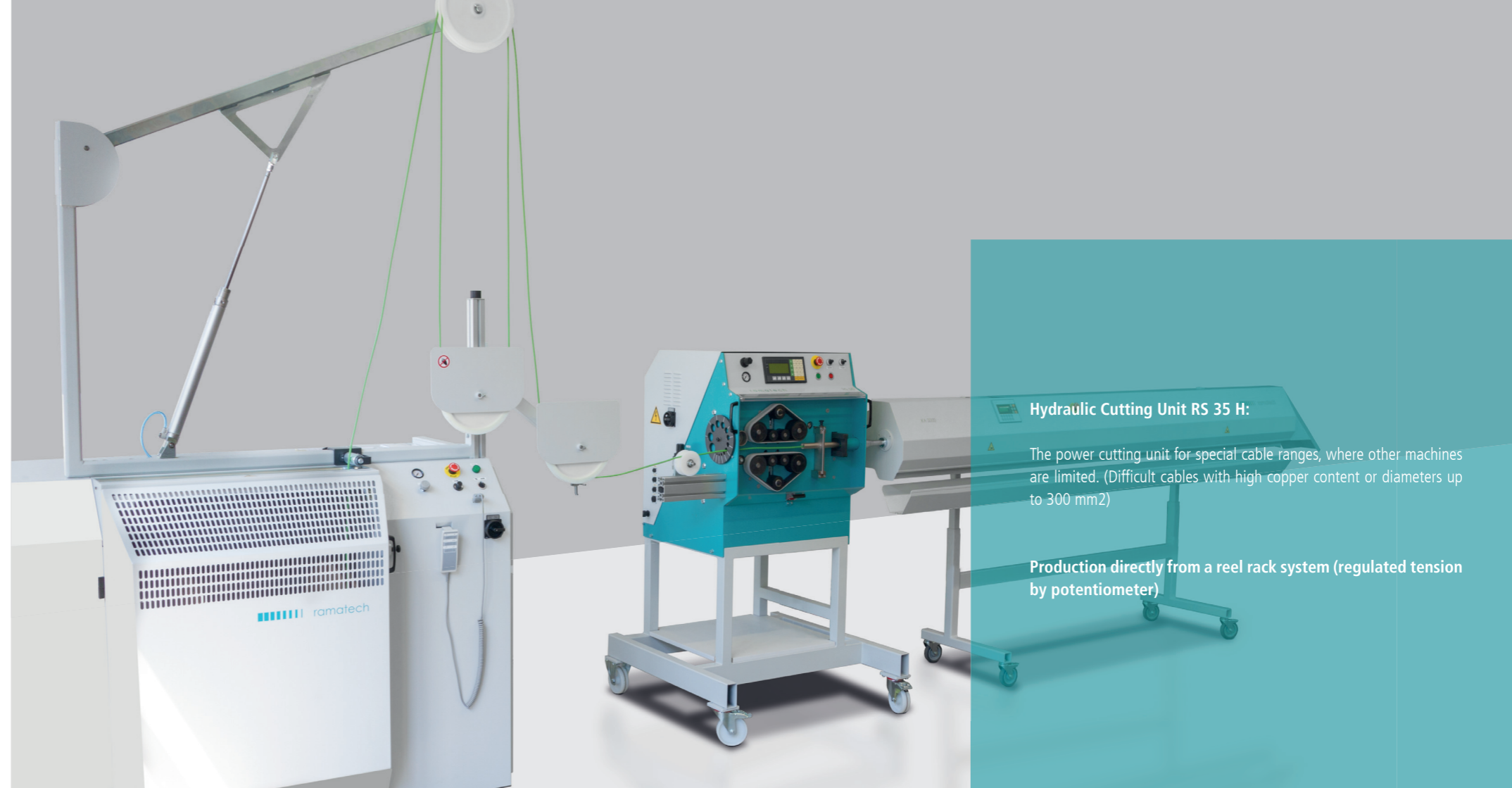
Mobile unit with four lockable castor rollers – easy movement (e.g. along a cable reel rack system)

Additional option:

Integrated coiler for direct coiling or connection to coilers KRI 400/800T as well as to cable stackers

Hydraulic Cutting Unit RS 35 H:

The power cutting unit for special cable ranges, where other machines are limited. (Difficult cables with high copper content or diameters up to 300 mm²)



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The power cutting unit for special cable ranges, where other machines are limited. (Difficult cables with high copper content or diameters up to 300 mm²)

Production directly from a reel rack system (regulated tension by potentiometer)

TECHNICAL SPECIFICATION

Performance	Speedy 35	Speedy 35 H	RS 35	RS 35 H
Cable diameter	Cutting and stripping ø 4 up to ø 35 mm	Cutting and stripping ø 4 up to ø 35 mm	Cutting ø 4 up to ø 35 mm	Cutting ø 4 up to ø 35 mm
Cable cross section	up to 185 mm ²	up to 300 mm ²	up to 185 mm ²	up to 300 mm ²
Cable length	220 mm up to 1000 m	220 mm up to 1000 m	up to 1000 m	up to 1000 m
Tolerance in length	Precision in repetition by length more than 2 m better than ± 0,2%	Precision in repetition by length more than 2 m better than ± 0,2%	Precision in repetition by length more than 2 m better than ± 0,2%	Precision in repetition by length more than 2 m better than ± 0,2%
Stripping length	At the beginning and at the end of the cable ~ 10mm bis 9999 mm	At the beginning and at the end of the cable ~ 10mm bis 9999 mm		
Pull-off length	Programmable	Programmable		
Speed	0,1 - 2,2 m/s, programmable	0,1 - 2,2 m/s, programmable	0,1 - 1,5 m/s, over potentiometer	0,1 - 1,5 m/s, over potentiometer
Acceleration	Programmable	Programmable	Programmable	Programmable
Cable guides	Fast and easy changeable cable guides	Fast and easy changeable cable guides	Fast and easy changeable cable guides	Fast and easy changeable cable guides
Cable traction			adjustable over potentiometer	adjustable over potentiometer
Power supply	3x 400 VAC + N / 25 AT	3x 400 VAC + N / 25 AT	3x 400 VAC + N / 16AT	3x 400 VAC + N / 16 AT
Pneumatic	6 bar	6 bar	6 bar	6 bar
Weight	450 kg	530 kg	250 kg	330 kg
Dimension (LxWxH)	1300 x 800 x 1500 mm	1300 x 800 x 1500 mm	970 x 950 x 1560 mm	970 x 950 x 1560 mm

INDIVIDUAL POSSIBLE USES



Single-core cables

Power cables
 Battery cables
 Solid wire cables
 Wires
 Wind turbine cables

Shielded cables

Telecommunication cables
 Coaxial cables
 Data cables
 Control cables

Multi-core and special cables

PVC control cables
 Elevator cables
 Machine control cables

PERIPHERAL EQUIPMENT



Cable Reel Rack Systems

Economical use of storage and production space
Reels can be fed either from the front or from behind of the reel rack system.
The reel rack system can be extended quickly and inexpensively

rama 800 / 1000

Cable Dereeler
Cable spool diameter up to 800 mm / 1050 mm
Cable spool width up to 650 mm / 750 mm
Cable spool weight 300 kg / 600 kg
Version 18 cable diameter up to 18 mm
Version 35 cable diameter up to 35 mm

rama 1250 / 1600

Cable Dereeler
Cable spool diameter up to 1260 mm / 1600 mm
Cable spool width up to 850 mm / 1150 mm
Cable spool weight 1000 kg / 2000 kg
With pneumatic reservoir

KRI 400 T / 800 T

Fully automatic coiling systems
Coil inner diameter min. 120 mm / min. 250 mm
Coil outer diameter max. 380 mm / max. 750 mm
Simple menu-guided operation and programming

KA 3000 / 6000

Cable Stacker
High speed and precise for flexible cables 2-35 mm depends on stacker version 18 or 35
Interfaces to various cable processing machines
No interruption of cable processing during removal of cables



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