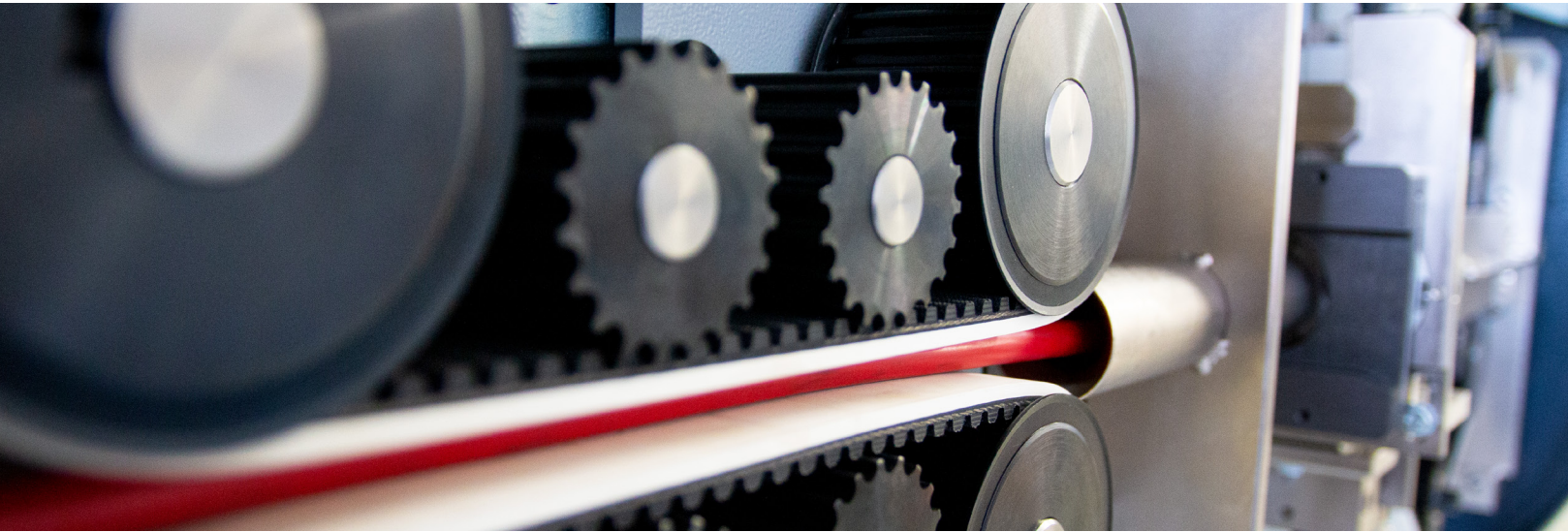




ramatech
systems



RAMATECH CUTTING AND STRIPPING MACHINES

POWERFUL, PRECISE AND FLEXIBLE



POWERFUL, PRECISE AND FLEXIBLE

The cable cutting and stripping machines from ramatech are characterized as outstandingly powerful and flexible cable processing centre. Cables with a diameter between 3 mm to 40 mm and a cross-section of up to 400 mm² are precisely cut to length (machines Speedy 40 H / RS 40 H) and selectively stripped to lengths >10 mm (Speedy 40). With its individual touchscreen display, the Speedy 40 offers a customizable operator interface. In this way production jobs can be created easily and material properties changed quickly, in addition the machine works with article lists / bill of material. The machines Speedy 40 und RS 40 can be equipped with an ink-jet printer for labelling cables. A longitudinal slitting unit is available for the cutting and stripping machine Speedy 40. The versatile and powerful peripherals (prefeeding and post-processing machines) from ramatech enable these stand-alone machines to be flexibly extended to create a complete cable processing line.

RAMATECH SPEEDY 40

THE HIGH PERFORMANCE PROCESSING CENTER FOR CABLES

For cables up to \varnothing 40 mm with gentle cable transport through use of transport belts. The optional hydraulic cutting unit, for example Speedy 40 H, is characterised by an unprecedented power reserve for hard-to-process cables with a high copper content and a cross-section of up to 400 mm².

FEATURES

- Ink-jet printing with multiple colours (single- or double-sided) is available. The positioning of the print heads close to the cutting blades avoids cable waste
- A slitting unit for intermediate stripping and for long stripping length (at the beginning and the end of cable) is available
- The Speedy 40 is designed to also process larger cables with high copper content or cross sections up to 400 mm²
- Optional software modules available, e.g. for multi-step / multi-layer stripping

FLEXIBLE ENTRY OF CABLE DATA AND CABLE SETS

Priority definition of production sequences and cable set lists.

USER-FRIENDLY SOFTWARE INTERFACE

The user-friendly Speedy software platform guides operators step by step reliably and conveniently through the production process, thanks to an excellent user navigation.

EASY CONVERSION

Process data can be transferred directly into the Speedy 40 job lists via worksheets or direct communication.

SHORT CHANGE OVER TIMES

Short changeover times are particularly important for frequent material changes. Thanks to the plug-in interchangeable parts, a material change can be carried out quickly.

EASY INTEGRATION OF PREFEEDING SYSTEMS

The predefined interface allows a very easy connection and integration of dereelers, cable reel rack systems as well as cable coilers KRI 450 / 850 or cable stackers KA 3000 / 6000.



RAMATECH RS 40

THE POWERFUL CUTTING MACHINE

For cables up to \varnothing 40 mm with gentle cable transport trough use of transport belts. The optional hydraulic cutting unit, for example RS 40 H, is characterised by an unprecedented power reserve for hard-to-process cables with a high copper content and a cross-section of up to 400 mm².

FEATURES

- Optional, hydraulic cutting unit available (RS 40 H) for applications where other machines cannot keep up (e.g. cross sections up to 400 mm² or cables with high copper content)
- Production directly from a (passive) reel rack system without any reservoir system possible (regulated tension by potentiometer)
- No cable slipping through usage of independent measuring wheel

INDIVIDUAL TORQUE CONTROL

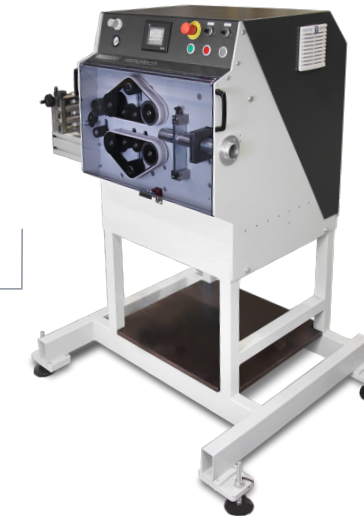
With the RS 40, torque and speed can be adjusted quickly. A potentiometer allows for precise regulation of cable tension.

OPTIONAL SWIVEL ROLLERS

The Ramatech RS 40 is optionally available with swivel rollers. This makes any movement particularly easy (e.g. alongside a reel rack).

LCD TERMINAL

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












EASY INTEGRATION WITH CABLE FEEDING SYSTEMS

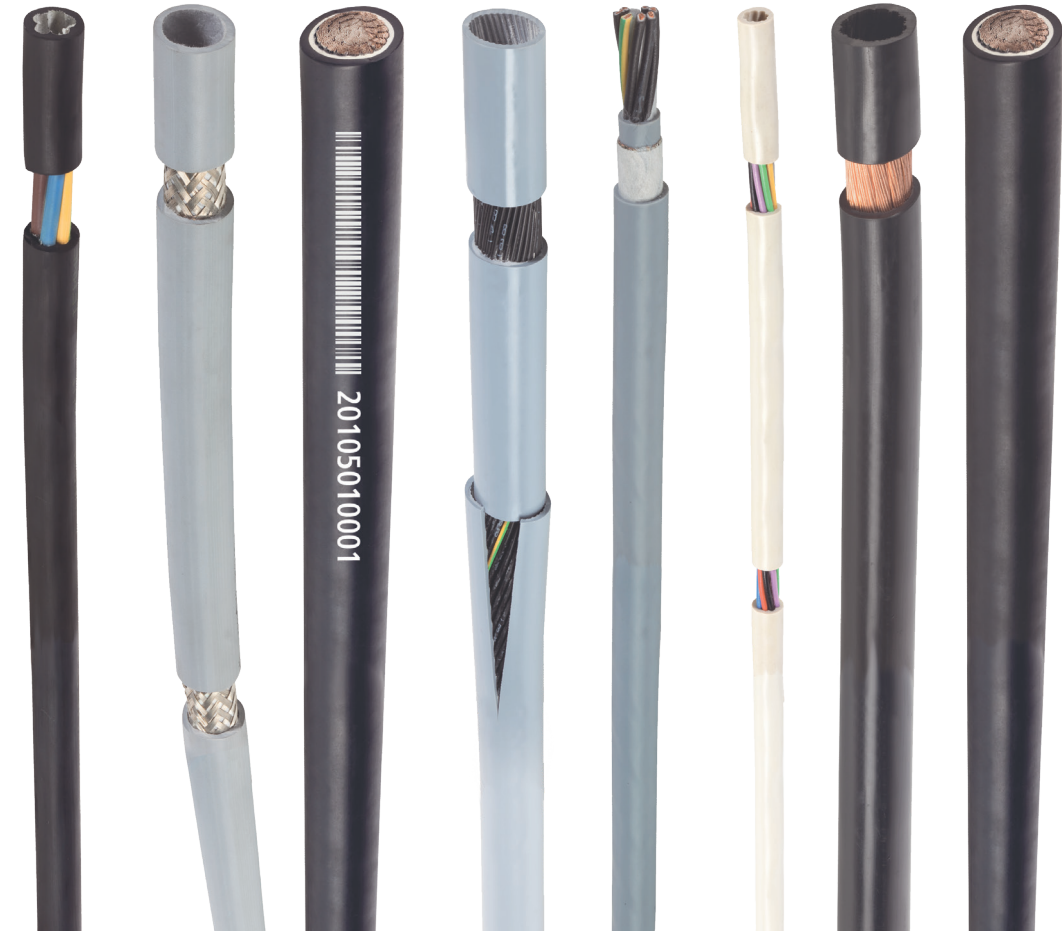
The predefined interface simplifies the connection to cable feeding systems, such as cable dereelers, cable rack systems, as well as post-processing machine, such as cable coilers KRI 450 / 850 or stackers KA 3000 / 6000.

CABLE PROCESSING

FOR SPEEDY 40 / SPEEDY 40 H AND RS 40 / RS 40 H

		Speedy 40	RS 40	Speedy 40 H	RS 40 H
	Cut-to-length	●	●	●	●
	Stripping with partial and full pull-off	●	-	●	-
	Window stripping	●	-	●	-
	Extremely long pull-off in multiple stages	●	-	●	-
	Jacket stripping of multi conductor cables	●	-	●	-
	Cable printing	○	○	○	○
	Incise cutting and length slitting	○	○	○	○
	Metal braid stripping with protection cap	-	-	●	-
	Multi-step stripping	○	-	○	-

¹ depending on material | ● = standard, ○ = optional, - = not available | Specifications are subject to change without notice.



PERIPHERAL EQUIPMENT

FOR SPEEDY 40 AND RS 40

Ramatech offers various pre- and post-stations for feeding and handling of cables.
The interfaces required for this are prepared and standardized.



PERIPHERAL EQUIPMENT

FOR SPEEDY 40 AND RS 40



CABLE REEL RACK SYSTEMS

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



rama 800 / 1000

Cable dereeler for 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.



rama 1250 / 1600

Cable dereeler for 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 450 / 850

Fully automatic coiling system. Coil inner diameter min. 120 mm / min. 250 mm. Coil outer diameter max. 380 mm / max. 750 mm.



KA 3000 / 6000

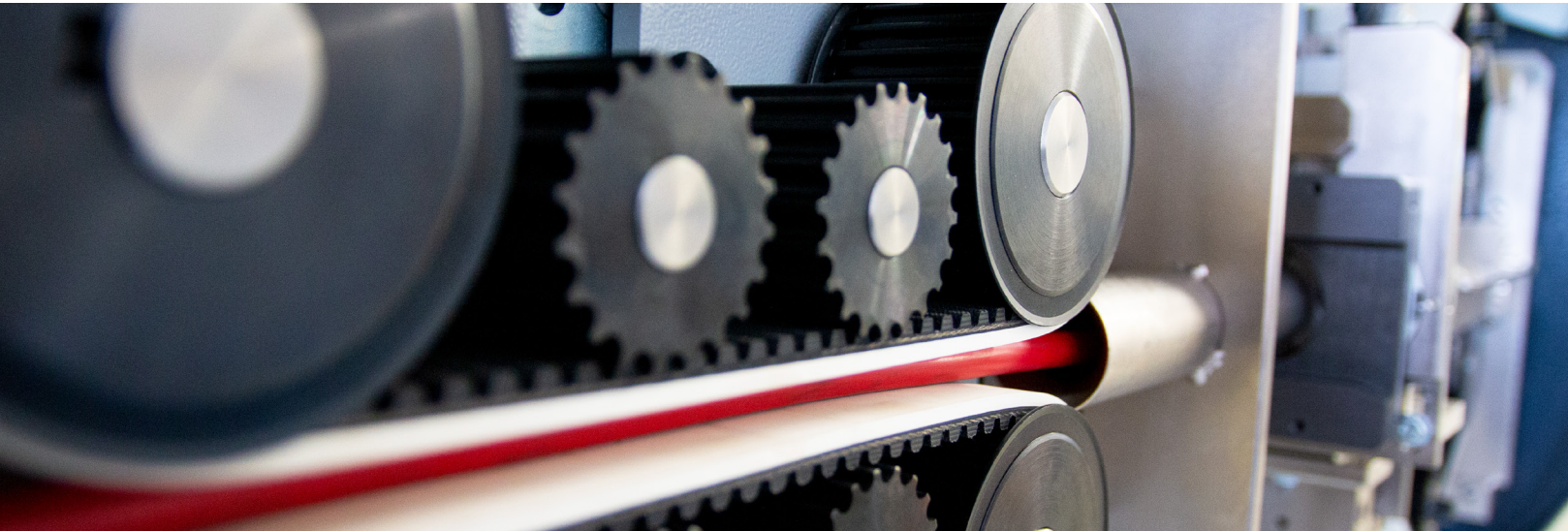
Cable stacker. For flexible cables 2-35 mm. Interface to various cable processing machines.

TECHNICAL DATA

Performance	Speedy 40	Speedy 40 H	RS 40	RS 40 H
Cable diameter	Cutting and stripping \varnothing 3 up to \varnothing 40 mm	Cutting and stripping \varnothing 3 up to \varnothing 40 mm	Cutting \varnothing 4 up to \varnothing 40 mm	Cutting \varnothing 4 up to \varnothing 40 mm
Cable cross section	up to 240 mm ²	up to 400 mm ²	up to 240 mm ²	up to 400 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 \pm 0,2%	Precision in repetition (by length more than 2 m) better than \pm 0,2%	Precision in repetition (by length more than 2 m) better than \pm 0,2%	Precision in repetition (by length more than 2 m) better than \pm 0,2%
Stripping length	Beginning and ending ~ 10mm bis 999 m	Beginning and ending ~ 10mm bis 999 m	-	-
Pull-off length	Adjustable	Adjustable	-	-
Speed	0.1 - 2.5 m/s, programmable	0.1 - 2.5 m/s, programmable	0.1 - 1 m/s, adjustable (over potentiometer)	0.1 - 1 m/s, adjustable (over potentiometer)
Acceleration	Adjustable	Adjustable	Adjustable	Adjustable
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 tension / Torque	-	-	Adjustable over potentiometer	Adjustable over potentiometer
Power supply	3 x 400 VAC + N / 25 AT	3 x 400 VAC + N / 25 AT	3 x 400 VAC + N / 16 AT	3 x 400 VAC + N / 16 AT
Pneumatic	6 bar	6 bar	6 bar	6 bar
Weight	450 kg	530 kg	250 kg	330 kg
Dimension (L x W x H)	1350 x 900 x 1650 mm	1350 x 900 x 1650 mm	1240 x 935 x 1500 mm	1240 x 935 x 1500 mm



ramatech
systems



LOCATION SWITZERLAND

ramatech systems AG

Hohenrainstrasse 36
CH - 6280 Hochdorf
Phone: +41 (0)41 914 26 26
E-Mail: info@ramatech.ch

© ramatech systems 2021

LOCATION GERMANY

ramatech systems GmbH

Messerschmittstraße 30
D - 89231 Neu-Ulm
Phone: +49 (0)731 40 199 200
E-Mail: info@ramatech.de

YOU CAN FIND YOUR LOCAL PARTNERS AT

www.ramatech.ch - Sales - Worldwide-sales