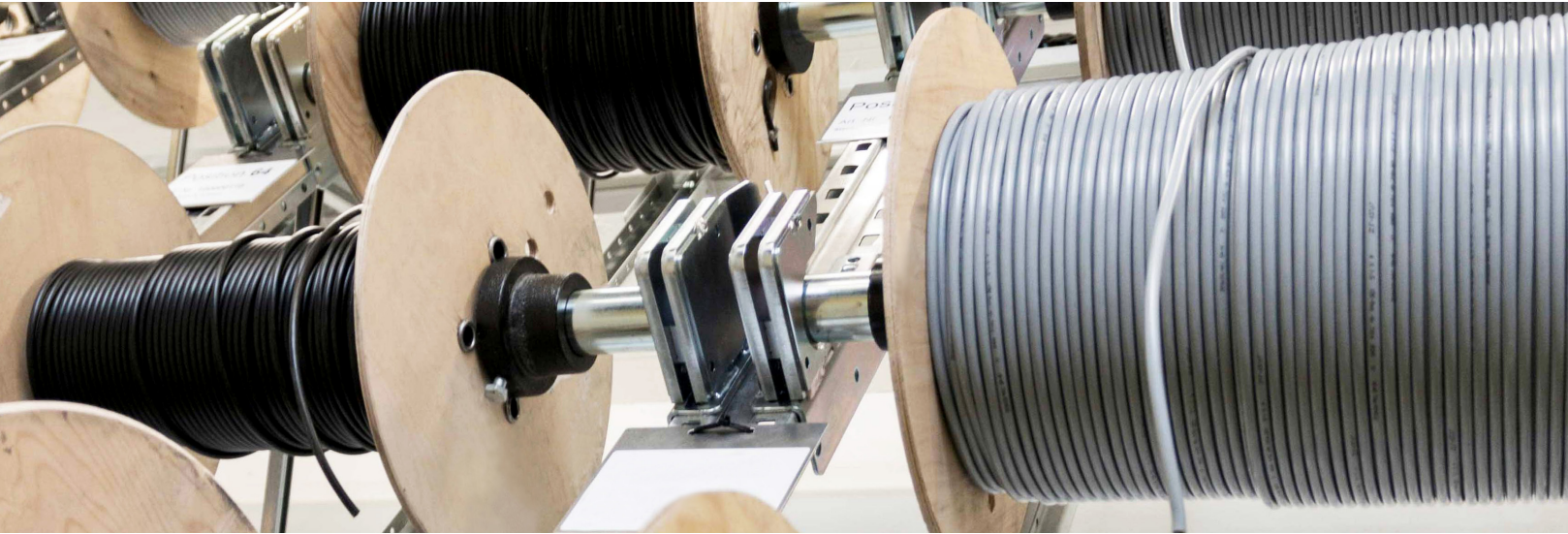# RAMATECH CABLE REEL RACK SYSTEMS

FOR THE OPTIMAL USE OF STORAGE AND PRODUCTION AREAS

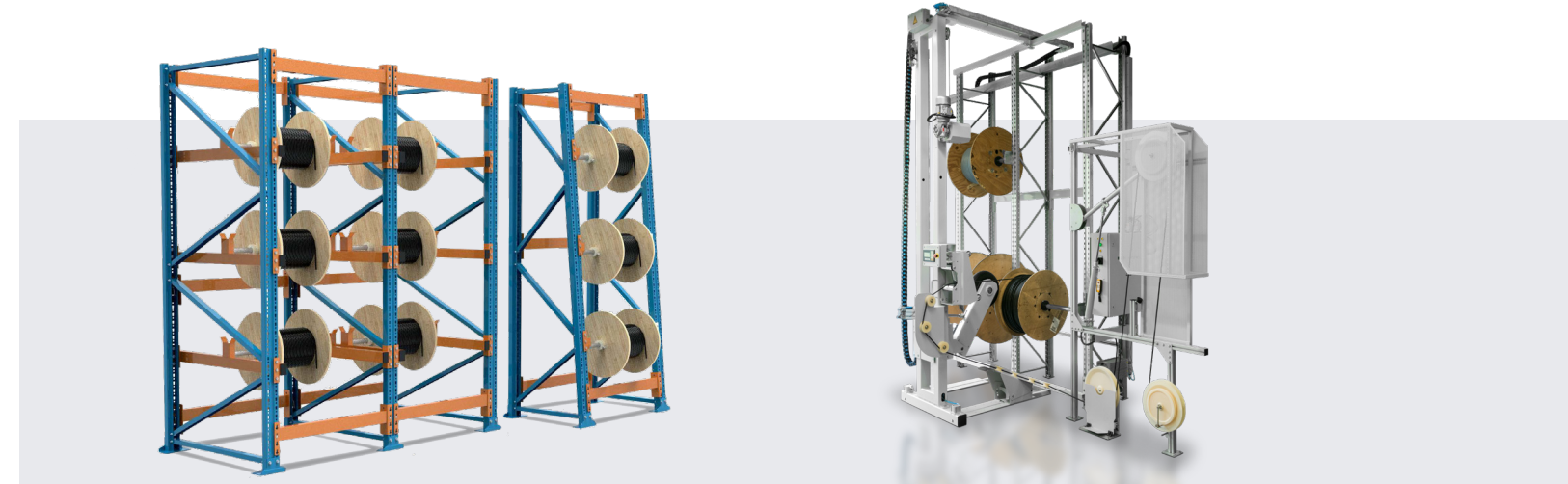# RAMATECH SEMI-AUTOMATIC REEL RACK SYSTEMS

The Ramatech cable reel rack systems are especially suitable for a flexible production of single cables and for small to medium batch sizes. Such systems are perfect in addition to any cable processing line and are available in multiple configurations. Optimal use of storage and production space is guaranteed. The reels / drums can be fed into the rack either from the front or from the rear. The reduction of internal spool transports reduces forklift traffic by up to 80%. Another main advantage is the considerably reduced changeover time.

RAMA LA01 AND LA02

The passive LA01 drum rack is available in different versions. Depending on the type, it can be loaded from both sides and stores drums in the front, rear or center of the rack. The active LA02 drum rack actively drives the cable drum by means of a rubber wheel drive and thus allows for higher speeds. The mobile drive tower enables fast cable changes.

FEATURES

- All reel / drum racks are modular and customized on the basis of individual components
- Different grid sizes and frame heights allow for a good fit for any production hall

RAMATECH LA01

Reel Rack System withouth drive unit. Cable reel diameter up to 1250 mm. Cable reel weight max. 1200 kg

RAMATECH LA02

Reel Rack System up to a length of approx. 16 m. Cable reel diameter max. 1250 mm. Cable reservoir system for cable diameter up to 35 mm. Reel weight max. 800 kg, with special equipment up to 1200 kg

RAMA LA03/1 AND LA03/2

FOR CABLE PROCESSING

Reel rack with movable (motorized) platform / one- or two-sided. The reel rack System RAMA LA03/1 holds up to 300 cable reels. The double-sided system RAMA LA03/2 has a capacity for up to 600 cable reels. The max. reel weight is 800 kg, with special equipment up to 1200 kg. The max. reel diameter is 1250 mm. The platform size is customer specific.
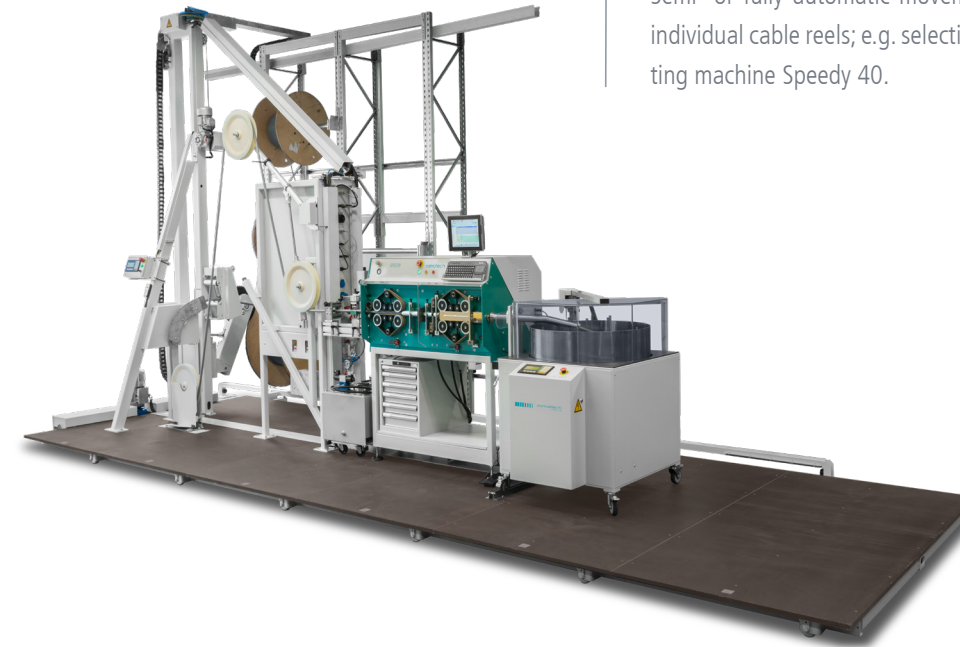

MOVABLE PRODUCTION LINE

Cable processing line installed on platform, e.g. with the cutting and stripping machine Speedy 40, the cable coiler KRI 850 C and pneum. reservoir system.

OPTIONAL

Semi- or fully automatic movement of platform towards individual cable reels; e.g. selection via terminal of the cutting machine Speedy 40.

RAMA LA04
FOR CABLE WINDING

The reel rack system Rama LA04 consists of a movable (motorized) platform / one- or two-sided. This solution ensures storage and winding of cables in one system at the same time. Suitable for reel diameters up to 1250 mm. The max. reel weight is about 1200 kg.

FEATURES

Installed on platform

- Winding machine for rings and reels (adjustable fixture for coiling)
- Cutting unit
- Pneum. Reservoir System
- Optional: Fully automatic movement of platform towards individual cable reels; selection via terminal of the cutting machine.

RESERVOIR SYSTEMS /
FORKLIFT ADAPTERS

For reel rack systems

Different types of reservoir systems / accumulators depending on cable type and diameter.
Gentle cable transport with balanced cable tension. All systems are equipped with cable recoil detection.

Ideal support for loading cable reels into a reel rack system.

TECHNICAL DATA

Frame height

Reel rack systems are available in
2,8 m / 3,8 m / 4,8 m

Division betweed frames

Standard dimension of:
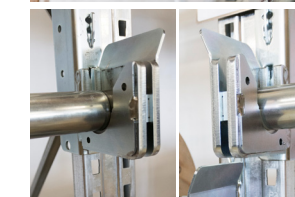**600, 800, 1000 oder 1200 mm**

Crossbar

Reel axle

Reel flange

Reelsupport
Right - Left

FULLY AUTOMATIC
REEL RACK SYSTEMS

Our storage systems, specifically designed for cable reels, demonstrate the best use of storage and production space. Internal transport of cable reels is redundant. Storing cable reels without pallets increases storage capacity by 25 - 50 %. In comparison to conventional cable storage solutions efficiency gains of up to 50 % can be achieved. Every system is modular and designed according to customer requirements.

RAMA LA05 - CABLE CAT

The ramatech „Cable Cat" combines storage and production area in one system. Due to the use of integrated dual dereelers, there are no waiting times for cable reels. The integrated warehouse management software provides maximum transparency and direct access to each drum at any time.

FEATURES

- Best possible use of storage and production areas
- Reduction of internal reel transport and forklift traffic by more than 80%
- Short cable changeover times with respective efficiency gains
- Elimination of manual labor from moving heavy cable spools back and forth
- Connection to third-party systems can be easily implemented
- Best price/performance ratio for large reel quantities

RAMA LA 05

- Reel rack system for approx. 300+ cable reels
- Reel diameter between 400 - 1000 mm
- Cable storage system for cable diameters up to 35 mm
- Cable spool weight up to max. 600 kg

CONSISTING OF

- Reel rack system with fully automatic handling crane
- Loading station for reel loading and unloading
- Double dereeler with pneum. reservoir system
- Interface for connecting wire processing and winding lines
- Interface for higher-level ERP-Systems

RAMA LA05 - CABLE CAT

The ramatech „Cable Cat" combines storage and production area in one system. Due to the use of integrated dual dereelers, there are no waiting times for cable reels. The integrated warehouse management software provides maximum transparency and direct access to each drum at any time.

RAMA LA06 - AGV

The advanced and fully automated solution. Direct connection of cable processing lines and cable spool storage systems by means of automated guided vehicles (AGV). An AGV intelligently links storage and production locations. Ramatech dereelers are loaded and unloaded fully automatically.

FEATURES

- Laser or ground-based navigation
- Sensors for scanning surrounding area and automatic decrease of vehicle speed (or stop) in case of obstacles
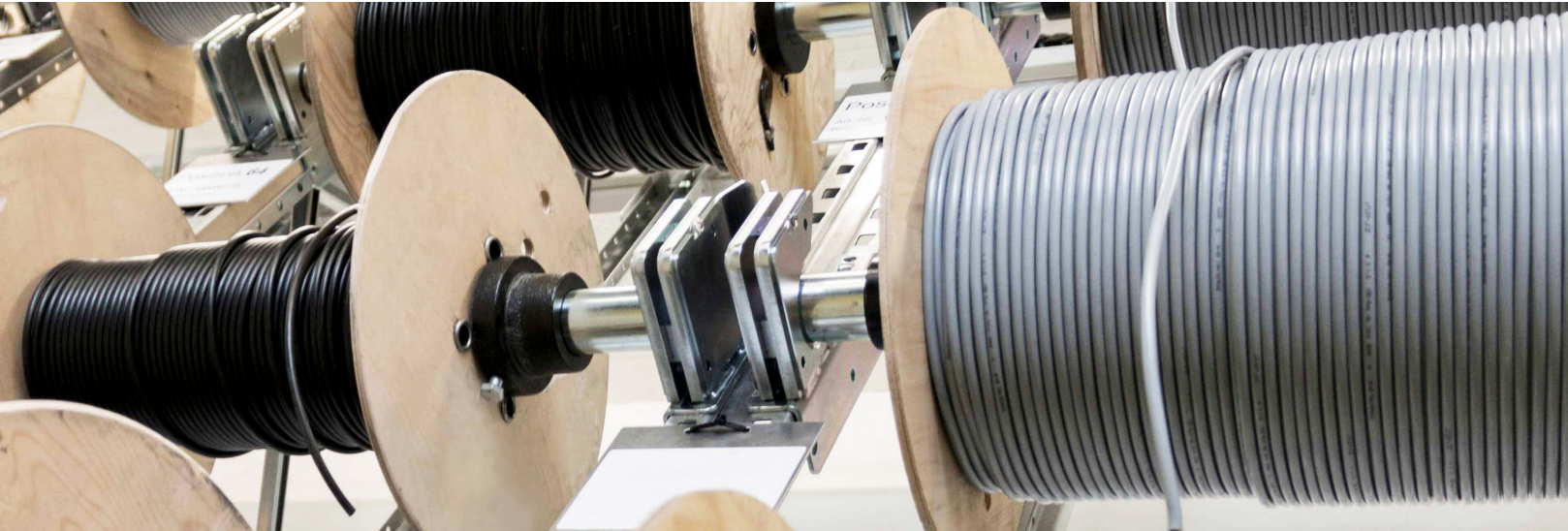- Forklift attachment for direct loading of cable reels

RAMA LA 06

- Lifting height up to 8 m
- Max. weight of cable reels 1500 kg
- Any number of reference points (for vehicle navigation) possible

ramatech
systems

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