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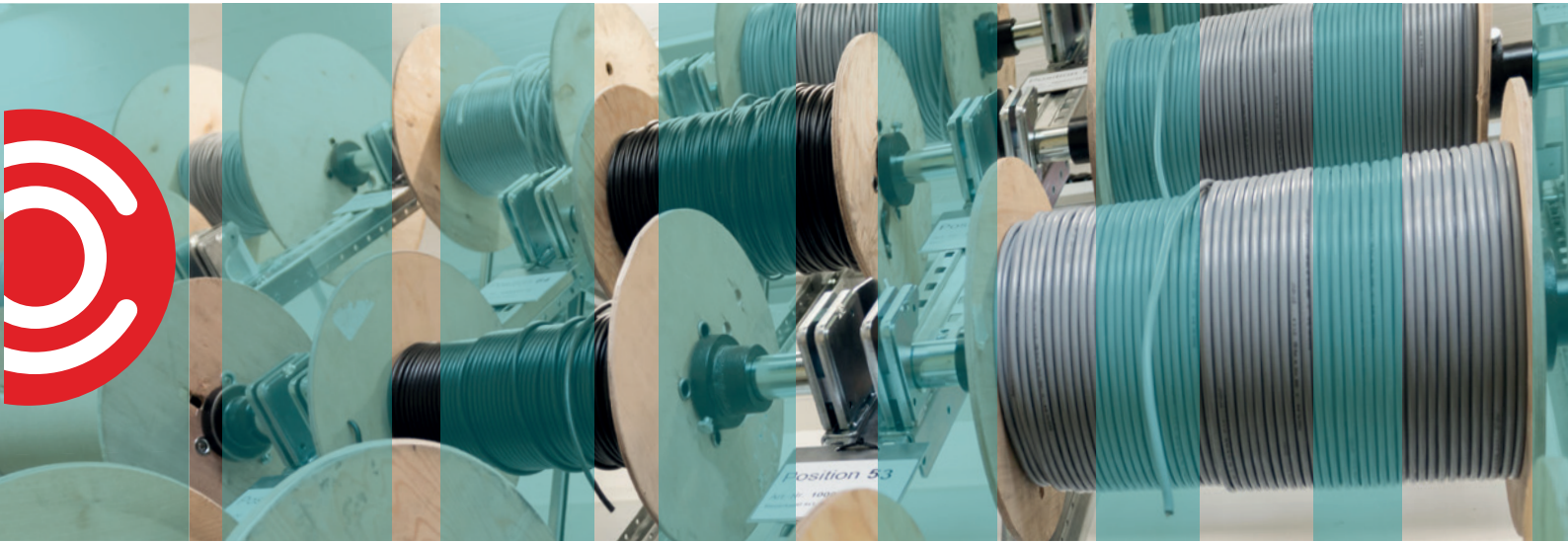

CABLE REEL RACK SYSTEMS

WIRE SOLUTIONS™
the smartest way to connect.

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SEMI-AUTOMATIC REEL RACK SYSTEMS

Semi-automatic cable reel rack systems are designed for flexible production lines, starting from one single cable to small/medium-sized production batches.
Such systems are a perfect addition to any cable processing line and are available in multiple configurations.

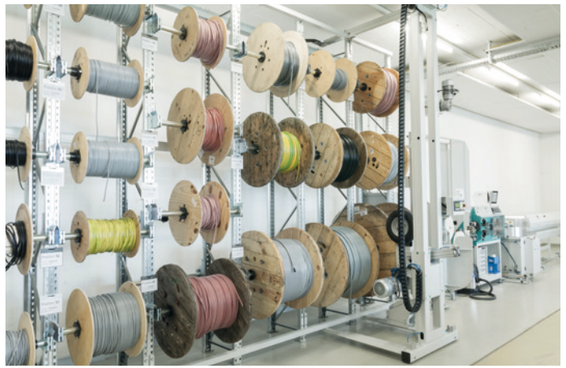
Convincing advantages:

- economical use of storage and production space
- reels can be fed either from the front or from behind of the reel rack system
- forklift traffic will be reduced by more than 80 percent
- gain in production time through considerable reduction of reel handling and short changeover times
- elimination of manual handling of heavy reels
- maximum flexibility: one drive system allows running different reel dimensions
- balanced cable unreeling via integrated cable reservoir system, no direct pulling
- advantages for the following cable processing lines: low maintenance costs, higher availability and very short production cycles
- connection to various cutting and stripping machines is possible
- the reel rack system can be extended quickly and inexpensively
- all systems can be customized

THE EASY SOLUTION
NOT AUTOMATED

RAMA LA01
Well-ordered reel storage for a good price

Reel rack system without drive unit
Variable number of cable reels
Cable reel diameter up to 1250 mm
Cable reel weight max. 1200 kg

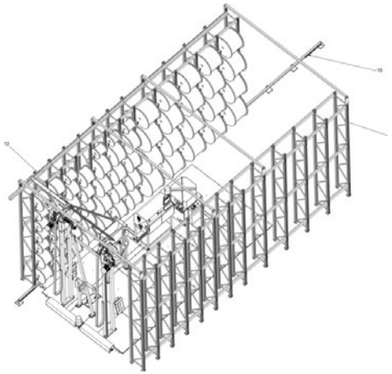


THE TIME-PROVEN SOLUTION
SEMI-AUTOMATIC SYSTEM

RAMA LA02
Used for cable processing lines

Reel rack system up to a length of 16 m
Drive system availabe up to reels with 1250 mm diameter
Cable reservoir system for cable diameter up to 35 mm
Reel weight max. 800 kg, with special equipment up to 1200 kg

THE SMART SOLUTION
SEMI-AUTOMATIC SYSTEM



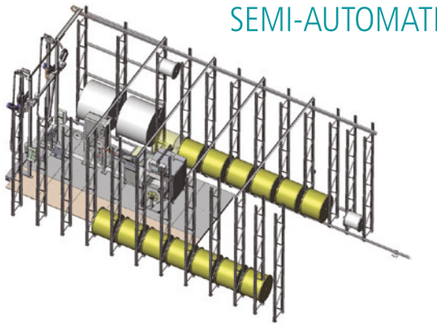
RAMA LA03/1
with movable (motorized) platform/ one-sided

Reel rack system RAMA LA03/1 up to 300 cable reels
Reel rack system RAMA LA03/2 up to 600 cable reels
Cable reservoir system for cable diameter up to 35 mm
Reel weight max. 800 kg, with special equipment up to 1200 kg
Dereeler unit for reels with max. diameter up to 1250 mm
Platform size customer specific

RAMA LA03/2
with movable (motorized) platform / two-sided

Cable processing line installed on platform:
- Cutting and stripping machine Speedy 40
- Cable coiler KRI 800 T
- Pneum. reservoir system

Optional: Fully automatic movement of platform to individual cable reels; selection via cutting machine terminal



THE SPECIAL SOLUTION
SEMI-AUTOMATIC SYSTEM

RAMA LA04 - Storage and rewinding with
with movable (motorized) platform / one- or two-sided

Reel diameter up to 1250 mm
Reel weight max. 1200 kg

Cable processing line installed on platform:
- Rewinder for rings and reels (adjustable fixture for coiling)
- Cutting unit
- Pneum. reservoir system

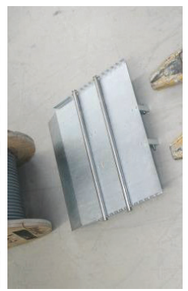
Optional: Fully automatic movement of platform to individual cable reels; reel selection via terminal

RESERVOIR SYSTEMS

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

FORKLIFT ADAPTERS

Perfect assistance to load cable reels into our reel rack systems.



TECHNICAL DATA

FRAME HEIGHT

Reel rack systems are available in **2.8 m / 3.8 m / 4.8 m** (other sizes on request)

DIVISION BETWEEN FRAMES

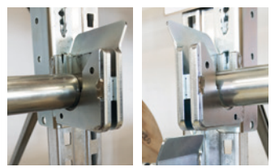
Standard dimension: **600, 800, 1000 oder 1200 mm** (other sizes on request)

CROSSBAR

REEL FLANGE

REEL AXLE

REELSUPPORT
RIGHT - LEFT SIDE



FULLY AUTOMATIC REEL RACK SYSTEM

Our storage systems have pecifically been designed for cable reels and uniquely combine storage and production space. Using cable reels on axles, instead of warehouse pallets, not only allows for a better utilization of approx.25% of the storage space, but also reduces operational costs.

The fully automatic reel storage system "Cable Cat" is up to 50% more efficient and economical than manual or semi-automatic storage systems.

RAMA LA05 - CABLE CAT fully automatic

Reel rack system for 200 cable reels and more
Reel diameter 400 up to 1000 mm
Cable reservoir system for cable diameter up to 35 mm
Reel weight max. 800 kg

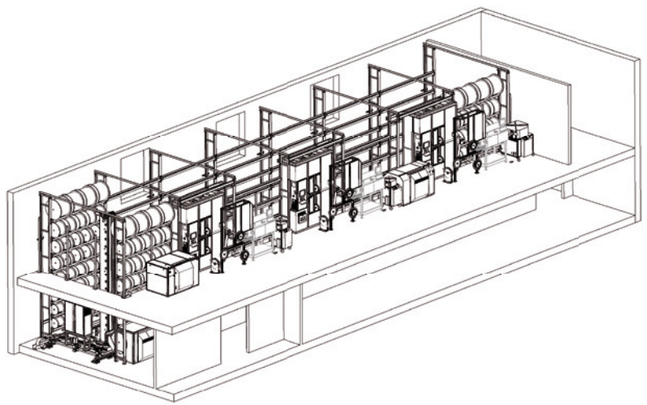
FULLY AUTOMATIC SOLUTION
CABLE CAT

Consisting of:

- Reel rack system with fully automatic handlig robot
- Loading station for reel loading and unloading
- Double dereeler with pneum. reservoir system
- Interface to cable processing lines

ADVANTAGES CABLE CAT

- most economical use of storage and production space
- reduction of internal reel transport and forklift traffic by more than 90%
- short changeover times of max. 60 seconds lead to higher production output
- elimination of heavy manual labour
- balanced cable unreeling by integrated cable reservoir system to ensure ideal cable tension and thus high production quality
- maximum flexibility: simultaneous production with several cable processing lines (rewinding lines as well as cutting and stripping lines)
- connection to various cutting and stripping machines is possible
- the reel rack system can be extended quickly and inexpensively
- all systems are customer specific
- excellent price/performance ratio for large quantities of reels



THE INNOVATIVE SOLUTION

Direct connection of cable processing lines and reel storage via Automated Guided Vehicles (AGV)

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

RAMA LA06 - AGV fully automated

The driverless transport system

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

ramatech
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