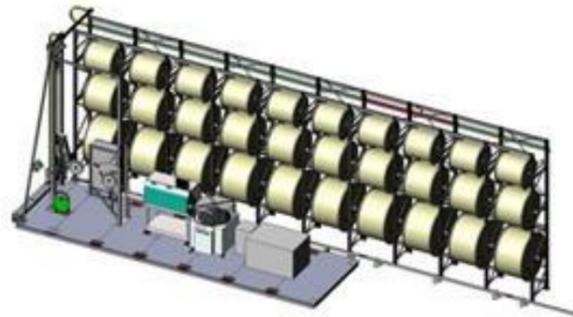


REEL STORAGE SYSTEM

Hohenrainstrasse 36 CH 6280 Hochdorf
+41 (0) 41 914 26 26
www.ramatech.ch

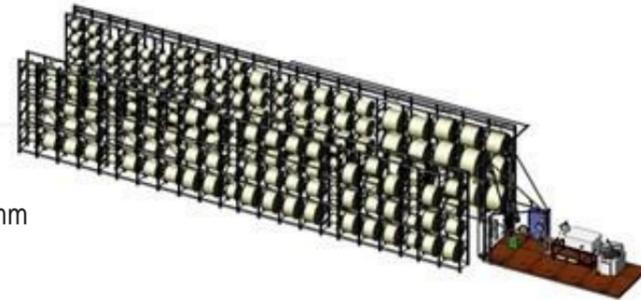


Semi-automatic storage system “3 in 1” with powered platform

- Storage system up to approx. 120 reels
- Platform: dimensions as agreed
- Dereeler (one-sided) for reels up to approx. \varnothing 1250 mm
- Cable reservoir up to \varnothing 35 mm

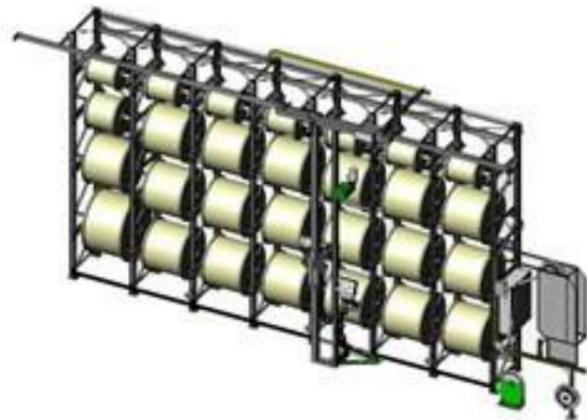
Semi-automatic storage system “3 in 1” with powered platform

- Storage system up to approx. 240 reels
- Platform: dimensions as agreed
- Dereeler (two-sided) for reels up to approx. \varnothing 1250 mm
- Cable reservoir up to \varnothing 35 mm



Semi-automatic reel storage system „3 in 1“

- Storage system up to approx. 60 reels
- Dereeler for spools up to approx. ca. \varnothing 1250 mm
- Cable reservoir up to \varnothing 35 mm

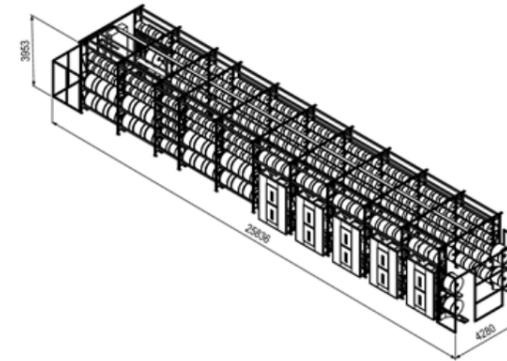


Convincing advantages:

- economical use of storage and production space;
- reels can be fed either from the front or from behind of the reel rack system;
- fork-lift traffic will be reduced by more than 80 percent;
- enormous more production time through the high reduction of reel handling and short changeover times;
- elimination of manually roll in/out of the heavy reels into the dereeler;
- maximum flexibility: one system allows running reel dimensions up to \varnothing 1250 mm / 1000 kg;
- controlled cable unreeling by integrated cable reservoir system, no direct trigger. This means for the following processing lines: low maintenance costs, higher availability and very short production times;
- connection to different machines is possible;
- the reel rack system can be extended quickly and inexpensively;
- all systems according customer demands.

Many advantages speak for the fully automatic reel storage system „Cable Cat“:

- best economical use of storage and production space;
- reduction of the internally reel transports and fork-lift traffic by more than 90%;
- great output benefits through enormous short changeover times of maximum 60 seconds;
- elimination of heavy physical labour, triggered by pushing back and forth the reels into the dereeler;
- controlled cable unreeling by integrated cable reservoir system, no direct trigger. This means for the following processing lines: low maintenance costs, higher availability and very short production times;
- maximum flexibility: simultaneous production with several lines (ring or reel coiler as also cutting and stripping lines);
- connection to different machines is possible;
- the reel rack system can be extended quickly and inexpensively;
- all systems according customer demands;
- excellent price/performance ratio for large quantities of reels.



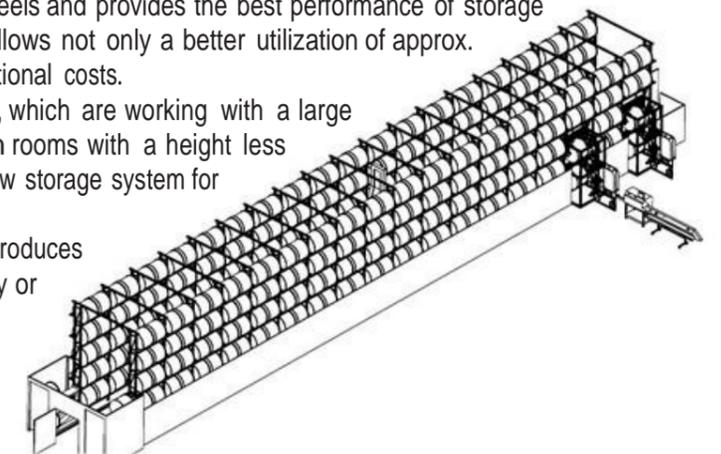
The „Cable Cat“ contains mainly the following subsystems:

- reel storage system with fully automatic handling robot;
- reel loading stations;
- double dereelers;
- cable reservoir systems;
- interfaces for the connection of automatic cable processing machines;
- interfaces for higher-level control systems.

Our storage system has been designed especially for reels and provides the best performance of storage and production space. Absence of warehouse pallets allows not only a better utilization of approx. 25% of the storage height, but also reduces the operational costs.

The „Small version“ is ideally suited for cable dealers, which are working with a large number of cable processing lines and are producing in rooms with a height less than 4.0 m. It becomes especially interesting when a new storage system for several hundred of reels is planned.

The fully automatic reel storage system “Cable Cat” produces up to 50% more economically compared with manually or semi-automatic storage systems.



Reel	Small Version	Big Version
Dimensions	400-800 mm	up to 1250 mm
Weight	up to 250 kg	up to 1000 kg
Number	from 250	from 300

The Cable Cat system will be adapted according to the specifications of the customer. The main aspects are: space and volume conditions, number of reels and their dimensions and weight.