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# MRP



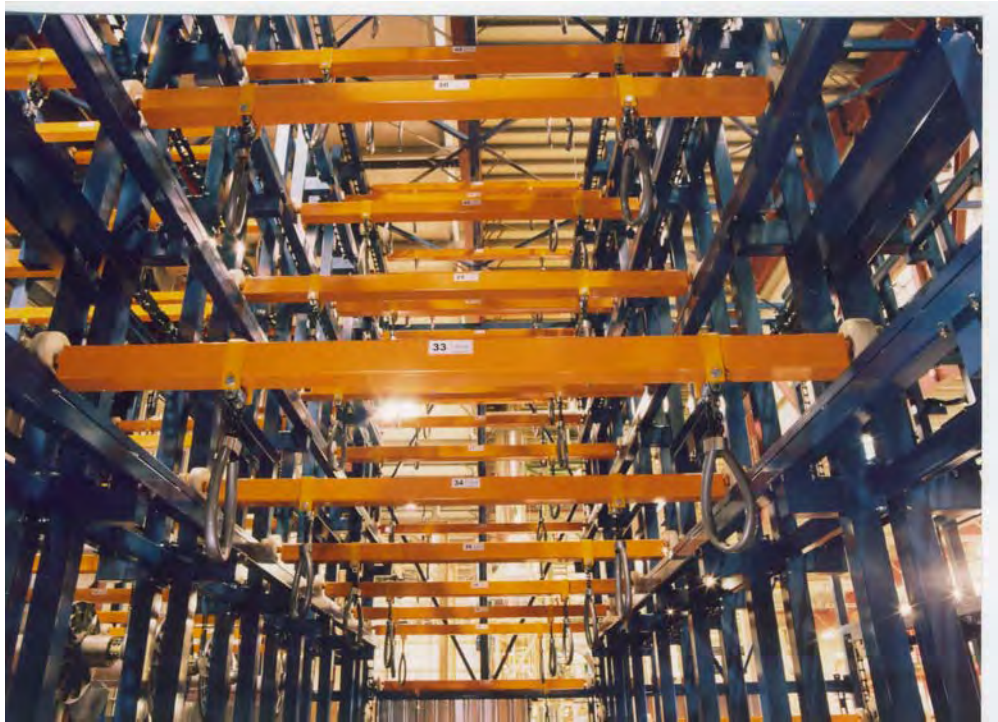
MRP represents the best solution for storage of warp beams. They are available in different models for handling each particular situation. Loading and unloading, for example, can be done from one position or several positions on one or more levels. The MRP1 option employs a microprocessorcontrolled information system for storage and retrieval of particular beams.

Reed width	From 1800 mm	To 5400 mm
Flange diameter	From 600 mm	To 1250 mm
Max. warp beam weight	3500 Kg	











# MRP-T



Offered in JV with Promax

Reed width	From 1800 mm	To 2600 mm
Flange diameter	From 600 mm	To 1250 mm
Max. warp beam weight	1500 Kg	





# MSP

MSP storage systems are the best solution to store primary beams waiting for being taken to be gathered together. The structure can be made up of more levels set above one another with sliding chain tape on which the flanges of the primary beams lay. A vertical mast allows to load and unload the beams automatically extremely easily and safely using a couple of forks especially shaped which support the beam outside the flanges.

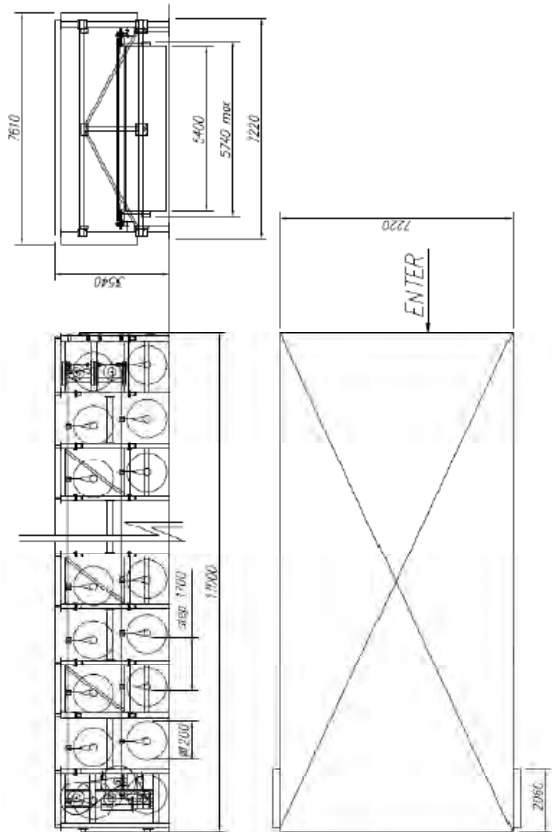


Reed width	From 1800 mm	To 2600 mm
Flange diameter	From 600 mm	To 1250 mm
Max. warp beam weight		1500 Kg



# MFR

MFR represents a useful solution for storage of big fabric rolls. They are available in different models for handling each particular situation. Loading and unloading, for example, can be done from one position or several positions on one or more levels. The MFR1 option employs a microprocessorcontrolled information system for storage and retrieval of particular beams.



fabric rolls storage carousel system FERBER type **MFR** with fabric rolls suspension through chains hanging from transom in rotation

D	1200	mm
Lmax	6130	mm
Max. fabric roll weight	4500	Kg
Bar no.	20	N°
Beam/Bar	1	N°
P	1700	mm
Motors Power	10	Kw
LI/HE Structure	HH	H.Heavy

Reed width	From 1800 mm	To 5400 mm
Flange diameter	From 600 mm	To 1250 mm
Max. warp beam weight		3500 Kg





# MRP-MSP-MFR

Available optionals:

## **AUTOMATIC CHAIN LUBRICATING SYSTEM**

A sensor connected to the Chain's sensor-input counts the chain movement; ( the number of links passing under the sensor).

Once the sensor picks up the lubrication point it activates the Oil injection and Air Stream thereby firing an accurate quantity of lubricant into the air stream for a configurable period of time.

The duration of the air spray can also be set to avoid wasted and misplaced lubricant which often results in a 'lubricant drip'.

Once the set number of points have been lubricated, the device switches into standby mode, counting a number of impulses before recommencing lubrication.

The counting functions allows the unit to compensate for varying speeds and stoppages.



### **FEATURES :**

- Lubrication Cycle settable from 1 to 10,000 impulses
- Lubrication Standby settable from 1 to 10 million impulses
- Air Spray time settable from 0.1 to 9.9 seconds (0.1 second steps)
- Air Spray can be set to activate only when the input signal is present.
- Dispense Mode: Lubrication Cycle start triggers a set number of pump activations
- Longlife proximity used as the trigger input.

**MRP1: Electronic equipment** with pre-selections for the call of a determined numbered position.

It is completed with selection keys, position display, electronic storage with recording of transom number.

The standard code version is made up of 12 alpha-numeric. This code can be inserted and displayed by means of an operator's switchboard with membrane buttons to handle all the working operations. This device specifically allows the following operations:

- Insert code combined to each beam
- Display code combined to each beam
- Call a position by the number
- Call a position by the code
- Call of the first available free position
- Handle alarms and failure signals

This system is provided without Personal Computer interface. It is possible, upon request, to implement this function and the quotation may vary according to the requested interface (PROFIBUS, ETHERNET...) and the requested handling type.

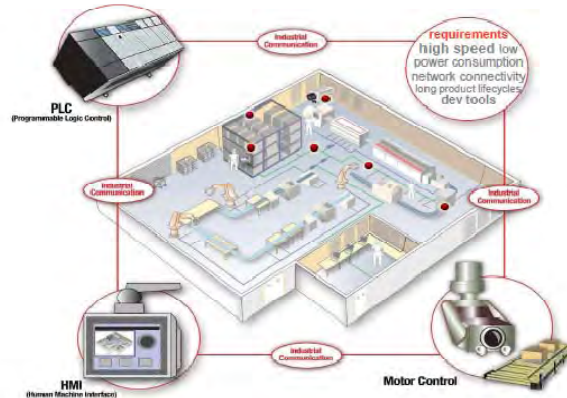




# MRP MSP-MFR

industrial automation integration

## Industrial Automation: The Factory Today and Tomorrow



- Network connectivity (Ethernet, Wi-Fi®)
- Multiple connectivity and interface options (CAN, USB, SDIO, LCD I/F, I2C, SATA, PWM) interfaces (graphics acceleration)
- Operating system compatibility (Linux, Windows® Embedded CE, and Others)
- Scalability (broad portfolio of product options with code compatible roadmap)

Processor : 32 bit CISC or the modern TI SITARA multicore DSP or TI-Cortex

Programmable RISC-based processor –Code can be written for any of the 120 communication protocol standards

Replaces the need for a separate ASIC Communication Module

Programmable Real-time Unit (PRU)

### Software and development tools

- Linux, or WinCE and drivers
- Android and RTOS (QNX, Green Hills, etc) from partners
- Full featured and low cost development board options

Bright 12.1" TFT LCD 65536 Color Display

- NEMA4/IP65 Compliant Front Panel
- Built-in Flash Memory
- One Compactflash™ Slot
- 3 USB Ports
- Ethernet Modbus TCP/IP; Ethernet I/P
- 3 RS232 and 2 RS485 ports
- Supports Multiple PLC Types to one MMI
- Data Logging to USB, CF Card
- 6 Levels of User Security for up to 12 Users
- True Type Font Capability
- Alarm and Alarm History (Events) Tracking
- Real time and Historical Trending





- Multiple Language Support (up to 7 languages)
  - Simple scripting for Advanced Users (Macro)
  - Free Design Mode, Windows Based Setup Software Included
- Brightness 400 cd/m<sup>2</sup>, Color 65536 color, Contrast Ratio 500:1, Resolution(WxH) 800x600, Back Light CCFLx2
- Touch Panel 4 wires resistive type, Touch Accuracy 2mm, Surface Hardness 4H
  - Serial Interface
  - COM1(RS232/RS485 2w/4w)
  - COM2(RS232)
  - COM3(RS232/RS485 2w)
  - Ethernet Port 10/100 Base-T
  - I/O Ports PS/2 Port Connector
- USB Interface USB 2.0 x 3, Mini USB Port x 1  
 Sound Output: Line Out x1 / MIC x 1  
 DRAM 256MB DDR 400MHz  
 RTC Built-in  
 No. of window Up to 1989 Windows  
 No. of object Up to 500 per window, limited by memory  
 Text strings limited only by memory  
 Graphics Supports BMP, GIF and JPG  
 Macro Scripts Easy to use macro scripting language  
 Supported Peripherals:
- Ethernet  
 Multiple MMIs can be connected via high speed Ethernet to improve the efficiency of data transfer  
 CF Card, Provides standard CF card slot  
 USB Barcode Device  
 Disk On Module: Supports standard 44-pin IDE interface slot  
 Wireless Device  
 Use with wireless devices to build a wireless environment  
 USB Printer Connect a USB printer for data printing  
 USB Mouse Supports USB mouse  
 USB Keyboard: Supports USB keyboard  
 RS232/RS485 2w/4w Port  
 Connect with multiple PLCs and controllers simultaneously  
 USB Memory Stick: Supports USB memory stick  
 Audio Output Connect to audio devices to signal alarm conditions

*We are continuously improving and updating our products and we will use eventual improvements available at the date of the manufacture of the carousel*



# CMR



The mobile carousel storage creel CMR is the best solution for storing cloth rolls on a transportable structure with very small overall dimensions. An electric system guarantees maximum safety by requiring the operator to use both hands and allows the rotation of the positions to facilitate the loading and unloading phases.

Cloth width	From 1200 mm	To 4000 mm
Flange diameter	From 500 mm	To 600 mm
Max. fabric roll weight		150 Kg



# CSSV



The empty beam storage systems are an easy and cheap solution to arrange and handle 8 or 10 beams simultaneously. Electrowelded steel structure with fork shelves to support the beams; the forks are covered with rubber to prevent the beam sliding while handling the truck. The structure lies on the floor with no. 2 fixed feet and two wheels. Moreover it is also foreseen an antitilting system.

Beam lengthwidth	From 1800 mm	To 6000 mm
Beam diameter	From 500 mm	To 1016 mm
Max. weight capacity		3000Kg

