

Innovations in Automated Logistics



HANDLING



WINDING



STORING



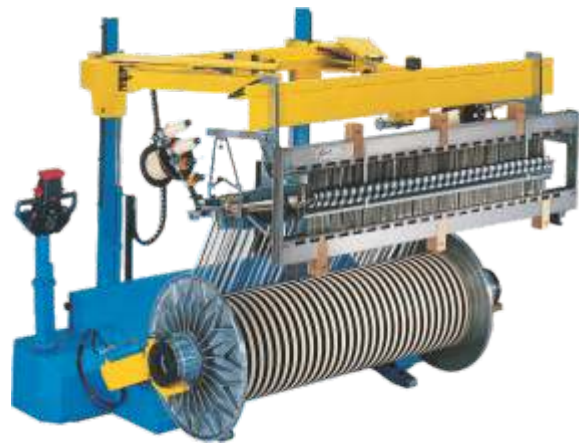
INSPECTION AND FINISHING



Joint Venture with
FERBER s.r.l., ITALY



ITALY



ET 2001-QSC
AUTOMATIC BEAM GAITING TROLLEY

The ET 2001-QSC incorporates many of the best solutions, from the entire range of Ferber's electronic material handling trucks.

Complete with 2 motorwheels, power-steering, hydraulic-extendable forks and mounting capability, it transports and style-changes drawn patterns in the loom. The whole operation is managed by only one operator. It also operates the truck using a wireless remote control.

Barrel length	from 1500 mm	to 4000 mm
Flange diameter	from 800 mm	to 1250 mm
Weight capacity	from 1500 kg	to 2000 kg*
Harness Wt.	350 kg	



ET 2001-F
MOTORIZED BEAM LOADING TROLLEY (FORK TYPE)

The ET-2001-F incorporates many of the best solutions, from the entire range of Ferber's electronic material handling trucks.

Complete with 2 motorwheels, power-steering, hydraulic extendable forks and mounting capability. The truck is designed to load and transport warp beam within the department.

The whole operation is managed by only one operator.

Barrel length	from 1500 mm	to 4000 mm
Flange diameter	from 800 mm	to 1250 mm
Weight capacity	from 1500 kg	to 2000 kg



ET 2001-C
MOTORIZED BEAM/FABRIC ROLL LOADING TROLLEY (CRADLE TYPE)

The ET 2001-C incorporates many of the best solutions from the entire range of Ferber's electronic material handling trucks.

The truck is designed with a cradle, which lifts the wound beam / fabric roll and transports within the department. Truck complete with 2 motor wheels and power steering allows the operator to carry out operations in limited space. The beam/fabric roll is taken from the ground and transported to the loom for an easy loading operation. The whole operation is managed by only one operator.

Barrel length/Fabric roll width	from 1500 mm	to 4000 mm
Flange/Fabric roll diameter	from 800 mm	to 1250 mm
Weight capacity	from 1500 kg	to 2000 kg



CR 29EE-F
MOTORIZED BEAM LOADING TROLLEY (FORK TYPE)

CR 29EE-F is a complete electric truck. Two traction wheels allow the operator to carry out operations easily in limited space. Its main characteristics are safety and user friendliness.

The beam carrying forks guarantee absolute safety; both during the transport and while its positioning.

CR 29EE-F-LCE
MOTORIZED BEAM GAITING TROLLEY (FORK TYPE)

Apart from the features of motorized beam loading trolley, it is equipped with harness mounting device for handling the heald frames and warp stop motion to facilitate beam gaitting operation.

Barrel length	from 1800 mm	to 4000 mm
Flange diameter	from 800 mm	to 1250 mm
Weight capacity	from 1000 kg	to 1500 kg
Harness Wt.	250 kg	



CR 29EE-C
MOTORIZED BEAM LOADING TROLLEY (CRADLE TYPE)

CR 29EE-C is a complete electric truck. Two traction wheels allow the operator to carry out operations easily in limited space. Safety and user-friendly are its main characteristics.

The beam is taken from the ground by means of a cradle and is transported to the loom for an easy loading operation. Trolley can also be used for lifting a cloth roll from weaving machine or ground level.

CR 29EE-C-LCE
MOTORIZED BEAM GAITING TROLLEY (CRADLE TYPE)

Apart from the features of motorized beam loading trolley, it is equipped with harness mounting device for handling the heald frames and warp stop motion to facilitate beam gaitting operation.

Barrel length/Fabric roll width	from 1800 mm	to 4000 mm
Flange/Fabric roll diameter	from 800 mm	to 1250 mm
Weight capacity	from 1000 kg	to 1500 kg
Harness Wt.	250 kg	



CR AFL
MANUAL BEAM LOADING TROLLEY

The CR AFL is an ideal solution for moving and lifting the beam manually. The front wheel drive allows mounting the beam on the loom while tracking across the floor with ease. Manual hydraulic system commands the lifting / lowering of the warp beam.

Barrel length	from 1800 mm	to 4000 mm
Flange diameter	from 800 mm	to 1250 mm
Weight capacity	from 800 kg	to 1500 kg



CR AFLHM
MANUAL BEAM GAITING TROLLEY

The CR AFLHM is an ideal solution for moving and lifting the beam manually along with harness mounting device. The front wheel drive allows mounting the beam on the loom while tracking across the floor with ease. Manual hydraulic system commands the lifting / lowering of the warp beam.

Harness mounting device offers precise insertion and exact positioning of harness frames thanks to user friendly mechanism.

Barrel length	from 1800 mm	to 4000 mm
Flange diameter	from 800 mm	to 1250 mm
Weight capacity	from 800 kg	to 1500 kg
Harness Wt.	up to 250 kg	





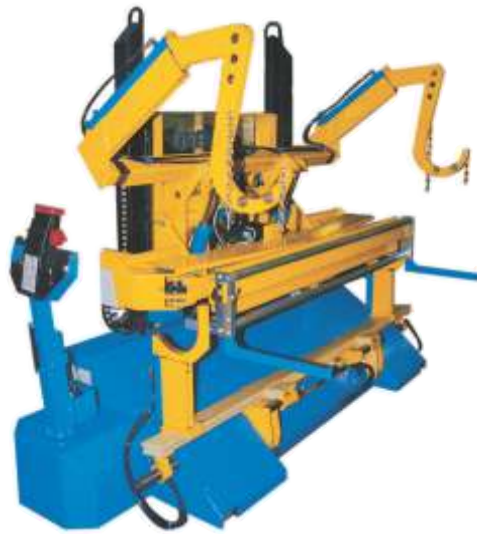
ET SUP-AHLT-E PILE BEAM TROLLEY

ET SUP-AHLT-E is a battery operated motorized pile beam handling truck used for transport and loading of pile beams in Terry Towel plant. Electronic functionality guarantees safe and precise operation. Motorized steering movement helps to minimise human efforts required for transportation.

ET SUP-AHLT-M

Manual trolley is also available for weight up to 1000 kg.

Barrel length	from 2000 mm	to 4000 mm
Flange diameter	from 800 mm	to 1250 mm
Weight capacity	from 1000 kg	to 2500 kg
Max. lifting height	up to 2100 mm	



ET SUP-DOR AUTOMATIC DOUBLE BEAM GAITING TROLLEY

The ET SUP-DOR lifts and transports bottom beam, top beam and the entire harness group simultaneously, offering extremely rapid operation of quick style change. The trolley is equipped with electronic steering, CANBUS communication and PLC based controls offers AC solutions. All the operations are managed by a single operator.

Barrel length	from 2000 mm	to 4000 mm
Flange diameter	from 800 mm	to 1250 mm
Weight capacity (top beam)	from 700 kg	to 1000 kg
Weight capacity (bottom beam)	from 1000 kg	to 1300 kg
Harness Wt.	300 kg	



ET SUP-PB PILE BEAM LOADING TROLLEY

ET SUP -PB lifts and transports the pile beam. The trolley is equipped with electronic steering, CANBUS communication and PLC based controls with 3 Axis carriage movement. The electronic management guarantees the operation with complete safety and high precision without any physical effort on the part of the operator.

Barrel length	from 2000 mm	to 4000 mm
Flange diameter	from 800 mm	to 1250 mm
Weight capacity (pile beam)	from 1000 kg	to 2500 kg

BZ FABRIC ROLL BATCHING MOTION TROLLEY

The BZ truck represent a truck for large off-loom take-up roll. Two moving side panels are hydraulically-controlled to load or unload the roll and hold the roll during transport. These trucks are available in different versions and can be designed to meet customer requirements.

Max. fabric roll width	up to 4000 mm	
Fabric roll diameter	from 900 mm	to 1500 mm
Weight capacity	from 1500 kg	to 2500 kg
Table height	from 300 mm	to 600 mm



BZSM

AUTOMATIC MULTI-PURPOSE LOADING TROLLEY

The BZSM is an ideal truck for lifting very large beam/fabric roll from the floor, off-loom take-ups and from other supports.

The truck is also capable of lifting the load over obstacles in the fabric roll alley and transport beam/fabric roll with a diameter larger than the available space in the alley. It can also transport and position top and bottom beam/fabric roll in the weaving machine.

Barrel length/Fabric roll width	from 2400 mm	to 4400 mm
Flange/Fabric roll diameter	from 800 mm	to 1500 mm
Weight capacity	from 1500 kg	to 2500 kg



CR 7 EEN

MOTORIZED FABRIC ROLL DOFFING TROLLEY

The CR 7EEN allows movement in the weave room of fabric roll with a maximum diameter from 500 mm to 700 mm.

Its electric functions assist the operator while loading, unloading and transportation. The throttle potentiometer device on the guide rudder permits variation in the speed along two ranges. While the microswitch helps in reducing the speed automatically. Being a compact execution, trolley offers smooth operation with ease of maneuvering in narrow aisle.

Fabric roll width	from 2000 mm	to 4000 mm
Fabric roll diameter	from 500 mm	to 700 mm
Weight capacity	from 350 kg	to 750 kg



CR 5/6 E

MANUAL FABRIC ROLL TROLLEY WITH ELECTRIC LIFTING

The range of CR 5/6 E is a using for manual transport with electric lifting of small Fabric Roll from looms. Special lifting system for efficient operation even in narrow aisle in the weaving room.

Electro hydraulic lifting eliminates human efforts required for lifting of rolls. Cost effectiveness and ease of operation are its main characteristics.

Fabric roll width	from 1200 mm	to 4000 mm
Fabric roll diameter	from 500 mm	to 600 mm
Weight capacity	from 160 kg	to 450 kg



CR 4/5/6

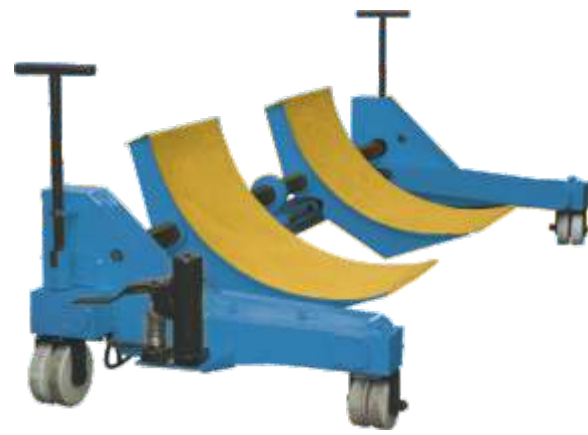
MANUAL FABRIC ROLL DOFFING TROLLEY

The range of the manual trucks CR 4, CR 5 and CR 6 allows transporting fabric roll with respective diameters of 400 mm, 500 mm and 600 mm.

The cradle is lifted through pump for easy movement.

Fabric roll width	from 1200 mm	to 4000 mm
Fabric roll diameter	from 400 mm	to 600 mm
Weight capacity	from 160 kg	to 450 kg





CR ACF B FABRIC ROLL DOFFING TROLLEY

From the family of manual trucks, the CR ACF B permits the unloading and transportation of the fabric roll from batching motions. The front wheel drive allows tracking across the floor with ease while positioning the trolley against the batching motion. Manual hydraulic system commands the lifting / lowering of the fabric roll.

Max. Fabric roll width	up to 4000 mm
Max. Fabric roll diameter	up to 1500 mm
Max. Fabric roll weight	up to 1500 kg



TRS 30/50/60 MOTORIZED TUGGER

The TRS trucks are able to pull a wide range of carts used in various parts of the weave mill. Easy functionality in limited space, seated and standing rider options, and the ability to move loads up to 8000 kg makes this tractor a leader in the sector. TRS 30/50/60 is available in versions with a lifting lever to attach and lift trailer trucks.

Pulling capacity	from 4000 kg	to 8000 kg
Lifting capacity	from 2000 kg	to 4000 kg
Max. speed	up to 4 km/h	



TRM MANUAL TUGGER

The TRM is a compact, versatile and robust truck. The operator can handle all the phases of loading, unloading and transporting with the help of its guiding rudder. The attaching and lifting takes place using a steel ball hitch and a hydraulic lifting arm respectively.

Max. lifting capacity	up to 1500 kg
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CSV 2/3 EMPTY BEAM TROLLEY

The CSV is a manual truck with foot-pedal scissor-lifting commanded by a hydraulic pump. Ideal for transporting empty beams. Being compact execution, it occupies minimum space during transportation.

CSV 2/3 AS

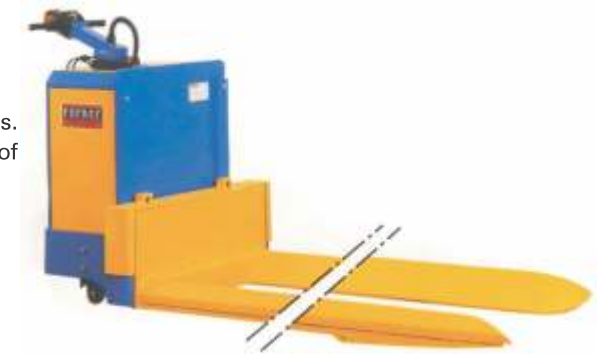
CSV AS version is suitable to transfer small fabric roll.

Barrel length	up to 4000 mm	
Max. flange diameter	800 mm to 1250 mm	
Barrel diameter	from 120 mm	to 220 mm
Fabric roll diameter	up to 450 mm	AS execution
Max. weight capacity	from 250 kg	to 750 kg

TC SL-20 BEAM TRANSPORTATION TROLLEY

The TC SL-20 is an electronic transpallet used for the movement of warp beams. The forks are shaped to facilitate loading and unloading of beam. The design of the driving head provides easy maneuvering in limited space

Max. Barrel length	up to 4000 mm	
Flange diameter	from 800 mm	to 1250 mm
Max. weight capacity	up to 1500 kg	



TC SLM-20

Manual trolley TC SLM-20 is also available.

Max. Barrel length	up to 4000 mm	
Flange diameter	from 800 mm	to 1250 mm
Max. weight capacity	up to 1500 kg	



STK-DN PARKING TROLLEY

The STK is an ideal solution for the storage of warp beams in the weave room. By adding the mounting group, the design provides quick style change performance keeping all the harness group components staged for loom insertion. The beam is held by rotating forks or fixed supports or parallel rollers depending on the needs of the customer.

Barrel length	from 1600 mm	to 4000 mm
Flange diameter	from 800 mm	to 1000 mm
Weight capacity	up to 1500 kg	



ES 03 BATCHING MOTION / AUTOMATIC WINDER

It is an automatic fabric roll take-up device that helps in winding large fabric roll at the weaving machine.

An exceptional range of optional accessories permits a versatile winder for an extensive variety of fabric styles.

Optional:

1. Fabric inspection table
2. Roll ejector device
3. Fabric accumulator

Fabric roll width	from 1800 mm	to 4000 mm
Fabric roll diameter	from 1000 mm	to 1500 mm
Max. weight capacity	up to 1500 kg	



MRP

BEAM STACKER



The MRP is the best solution for storage of warp beams. It is available in different execution for handling each particular situation. For example, loading and unloading can be undertaken from one position or several positions at one or different level.

It employs PLC controlled storage and retrieval of beams with a possibility to operate forward or reverse movement to ensure shortest distance for beam to travel. It helps to stop the beam at exact position. Beam details can be registered / printed for records.

Barrel length	from 1200 mm	to 4000 mm
Flange diameter	from 500 mm	to 1250 mm
Weight capacity	from 150 kg each	from 2000 kg each

CMR

FABRIC ROLL STOCKER



The mobile carousel storage creel CMR is the best solution for storing fabric rolls on a transportable structure with small dimensions. An electric system guarantees maximum safety and allows the rotation of the positions to facilitate the loading and unloading phases. It can be placed on the back of inspection table.

Fabric roll width	from 1200 mm	to 4000 mm
Max. fabric roll diameter	up to 400 mm	
Max. weight capacity	up to 250 kg	

FABRIC INSPECTION , CONVEYING & PACKING WITH DEFECT ANALYSIS SYSTEM .



VR 134

Fabric inspection machine designed for inspection of all kind of fabric, with defect analysis system.

Conveyor system allow the rolls to travers automatically from inspection machine to packing machine

Feature

- Uniform tension control
- Bottom and top illumination
- Crease free Rolling
- Very precise edge to edge control system for rolling
- Roll Traverse from Inspection Machine to Packing machine
- Weighing of roll
- Auto Cutting of Fabric.

Machine	Fabric Inspection / Conveyor / Packing Machine
Industrial Field	Woven/Non – Woven/ Technical Textile
Working Width	1800 mm – 3800 mm
Machine Speed	5 – 50 MPM
Roll Diameter	Upto 1500 mm
Input Option	Single or Multiple
output Option	Single or Multiple



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