

**A SPECIALIST IN TEXTILE
EQUIPMENT AUTOMATION**

AGV

AUTOMATED MATERIAL HANDLING & STORAGE SOLUTIONS

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**A SPECIALIST IN TEXTILE
EQUIPMENT AUTOMATION**



ABOUT SUNTECH

55 Years Experience in Textile Machinery Manufacturing

Experts in Automated Equipment Solutions for Weaving, Knitting, Finishing and Garment.



59100+

Installations Worldwide

11270+

Customers Globally

151

Technology Patents

129

Exported Countries

27

Countries Agent Presence

WHY SUNTECH



INDUSTRY EXPERT

Premium, Automated & Customized Solutions to Meet Your Business Demands



TRUSTWORTHY

Lifetime Service, Localized Support & Global Agent Networks, Timely Response When You Ask



VALUE-CREATING

Deepen in Automated Technology, Update with Industry Trending

SOLUTIONS



AI Visual Inspection & Automated Packing Solutions



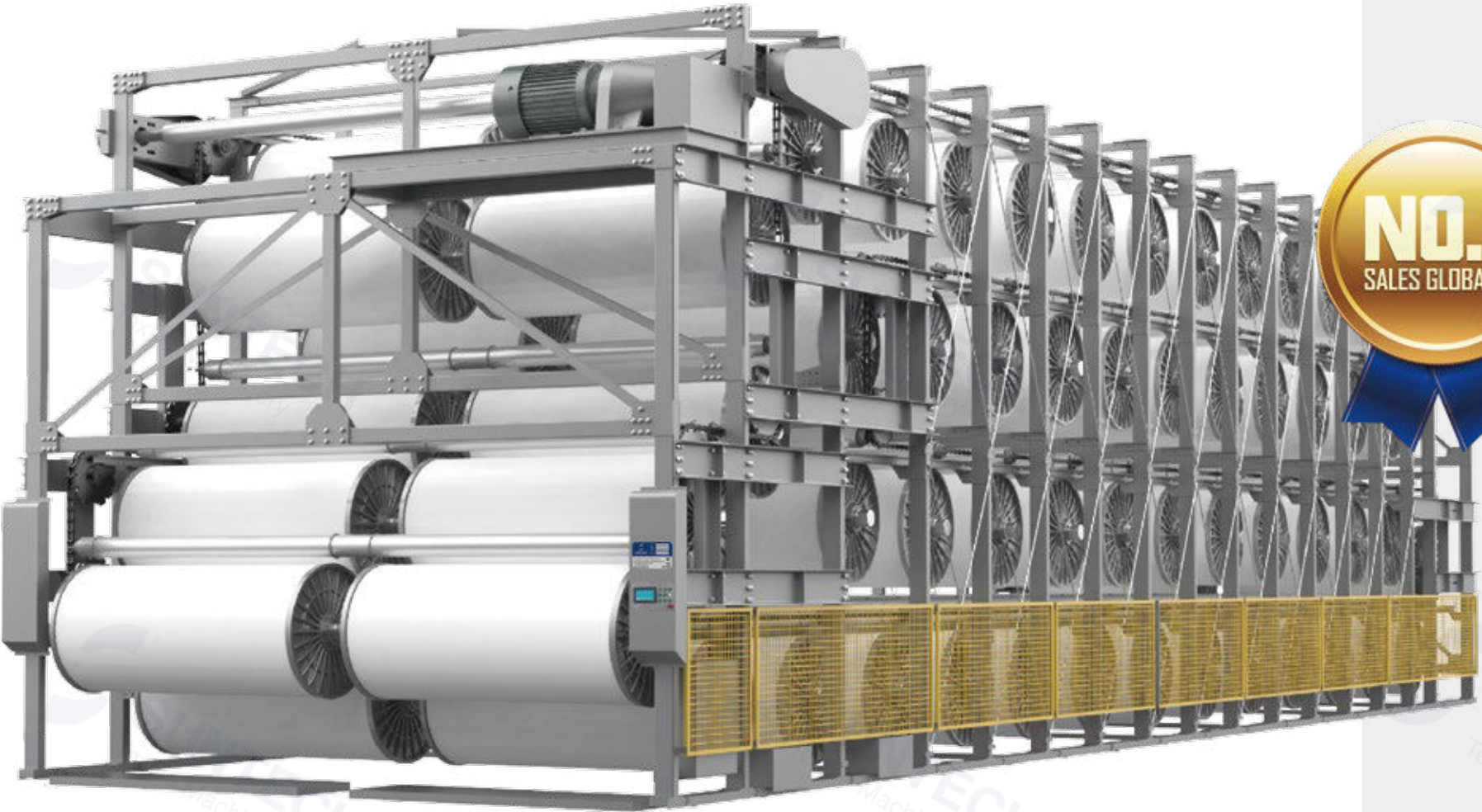
Automated Material Handling & Storage Solutions

PART 1

Automated Material Handling & Storage Solutions



ST-BS
BEAM STACKER



 SAFE INSIDE EVERY STEP

-  6X Ultra-heavy Load Capacity
-  High-strength Load Chain
-  Auto Chain Synchronization
-  Photoelectric Monitoring & Alerts
-  Anti-collision Alarm
-  Safety Light Curtain & Guard Fence

 KEY FEATURES

- ☒ Maximization of Beam Storage, 6X Space Saving
- ☒ Efficiency Boosted with Manpower Saving
- ☒ Leading Technology, Easy & Smart Management

Fabric Rolls:



Warp Beams:



Warp Knitting Beams:



BEAM
STACKER

ELECTRIC
TROLLEY

ELECTRIC
STACKER

A-FRAME
TRACTOR

HYDRAULIC
TROLLEY

LOOM
TAKE-UP

BEAM

ST-BS

BEAM STACKER



Installation Options	Storage Layer	Per Loading	Storage Capacity	Diameter of Beam or Fabric Roll	Width of Beam or Fabric Roll	Loading / Unloading
1/2 Exit 1/2 Embedded Exit 1/2 Vertical Layer	2/4/6 Layer	Single Beam Twin Beams Multiple Beams	20-200 pcs	Φ500-1500 mm	Model 1500-3900	Electric Hydraulic Lift Table

REFERENCES



TECHNICAL SPECIFICATIONS

Storage Capacity	Overall Dimension(mm)			Type of Warp Beam (PICANOL)	Layer
	L	W	H		
30	11360	4000	5420	Φ1000×220 cm (1500kg)	4
40	14800				
50	18250				
60	21700				
70	25150				
80	28600				
100	35500				
30	12100	4000	5812	Φ1000×220 cm (1500kg)	4
40	15780				
50	19460				
60	23140				
70	26820				
80	30500				
100	37860				
70	19000	4000	8775	Φ1000×220 cm (1500kg)	6
80	21540				
100	26620				

BEAM
STACKER

ELECTRIC
TROLLEY

ELECTRIC
STACKER

A-FRAME
TRACTOR

HYDRAULIC
TROLLEY

LOOM
TAKE-UP

BEAM

ST-MBT-02I Stelego

ELECTRIC WARP BEAM LIFTING TROLLEY
(With Harness Mounting Device)

AGV PLUS



Compact Structure, Heavy Capacity



Side Shift, Accurate Positioning



EPS Steering, Easy Operation



4Hrs Fast Charging, 8Hrs Long Lasting

REFERENCES



Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting / Driving	Battery
1500/2000/2500 kgs 300 kgs(Heald Frame)	700 mm 1950 mm(Heald Frame)	800-1250 mm	5 Motors	24V / 200Ah

ST-MBT-01I

ELECTRIC WARP BEAM TROLLEY
(HOOK TYPE)



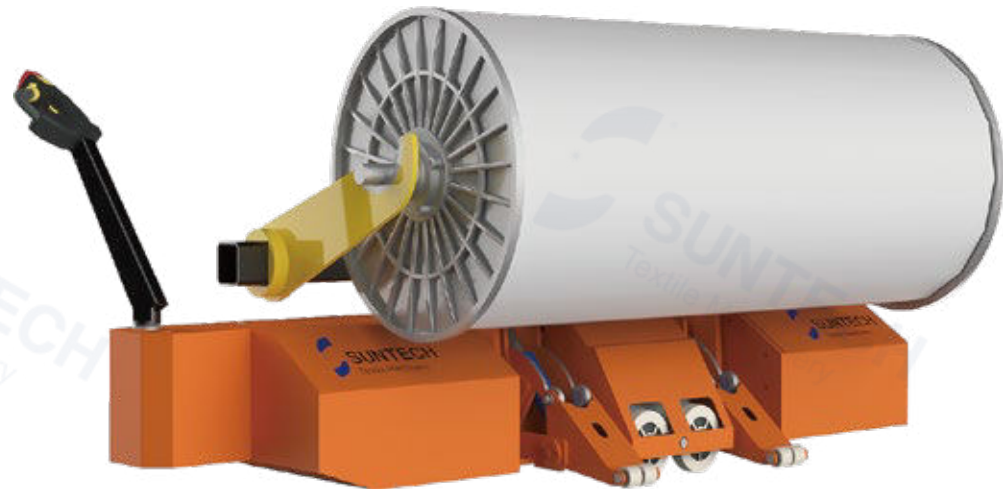
Compact Structure,
Heavy Capacity

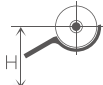


Side Shift,
Accurate Positioning



4Hrs Fast Charging,
8Hrs Long Lasting



Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting / Driving	Battery
 KG				
1500/2000/2500/3000 kgs	700 mm	800-1250 mm	4 Motors	24V / 200Ah

REFERENCES



ST-MBT-01II

ELECTRIC WARP BEAM / BATCH TROLLEY
(CRADLE TYPE)



Batch Transport Available



Side Shift,
Accurate Positioning



4Hrs Fast Charging,
8Hrs Long Lasting



Carrying Capacity	Lifting Height	Beam / Big Batch Flange Diameter	Lifting / Driving	Battery
 KG				
1500/2000/2500/3000 kgs	700 mm	800-1500 mm	5 Motors	24V / 200Ah

REFERENCES



BEAM
STACKER

ELECTRIC
TROLLEY

ELECTRIC
STACKER

A-FRAME
TRACTOR

HYDRAULIC
TROLLEY

LOOM
TAKE-UP

BEAM

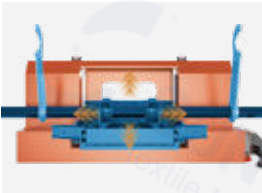
ST-MBT-05



ELECTRIC PILE BEAM HIGH LIFT TRUCK



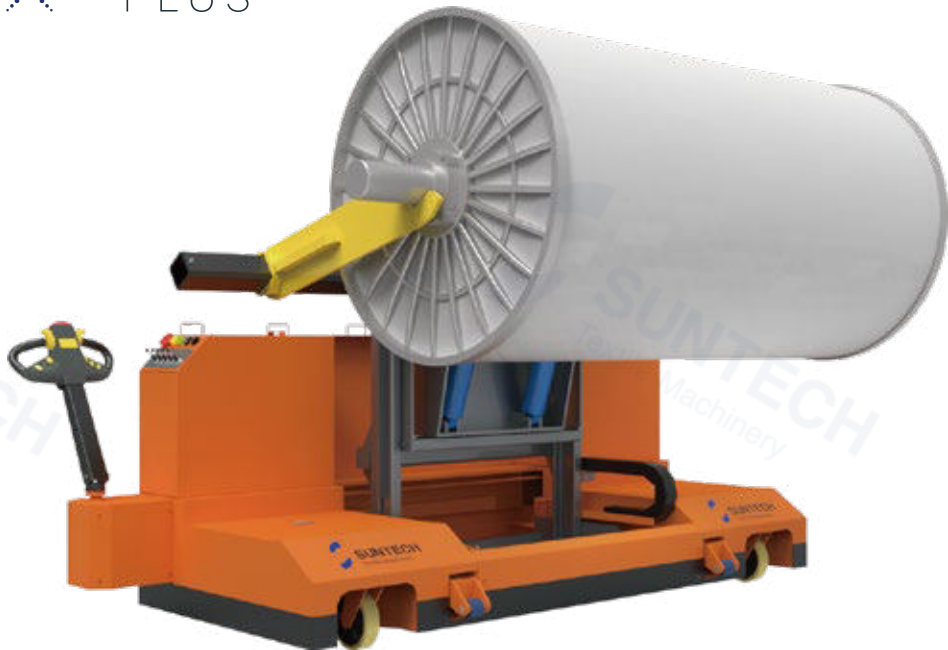
Compact Structure,
Heavy Capacity

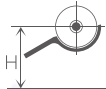
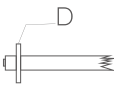


Side / Rear Shift,
Accurate Positioning



8 Gel Batteries,
8Hrs Long Lasting



Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting / Driving	Battery
 KG				
2000/2500/3000/3500 kgs	2300 mm	800-1250 mm	4 Motors	24V / 400Ah

REFERENCES



ST-MBT-05II



ELECTRIC WARP BEAM HIGH LIFT TRUCK



Upgraded Compact
Model



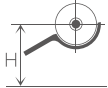
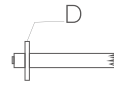
Side Shift,
Accurate Positioning



Cradle Type Available



4Hrs Fast Charging,
8Hrs Long Lasting

Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting / Driving	Battery
 KG				
1500/2000 kgs	2300/4200 mm	800-1250 mm	4 Motors	24V / 200Ah

BEAM
STACKER

ELECTRIC
TROLLEY

ELECTRIC
STACKER

A-FRAME
TRACTOR

HYDRAULIC
TROLLEY

LOOM
TAKE-UP

BEAM

ST-MBT-05I Stelego

ELECTRIC WARP BEAM HIGH LIFT TRUCK
(WITH HARNESS MOUNTING DEVICE)



Electric Heald Frame Control



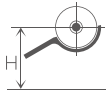
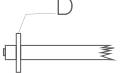
Side Shift, Accurate Positioning



EPS Steering, Easy Operation



4Hrs Fast Charging, 8Hrs Long Lasting

Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting / Driving	Battery
 KG				
2x1500 kgs	2300 mm	800-1250 mm	4 Motors	24V / 200Ah

ST-MBT-06 Stelego

ELECTRIC WARP KNITTING HIGH LIFT TRUCK



Compact Structure, Heavy Capacity



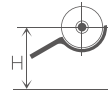
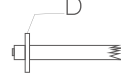
EPS Steering, Easy Operation



Sling Type Available



4Hrs Fast Charging, 8Hrs Long Lasting

Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting / Driving	Battery
 KG				
2000 kgs	4200 mm	500-1000 mm	4 Motors	24V / 200Ah

BEAM
STACKER

ELECTRIC
TROLLEY

ELECTRIC
STACKER

A-FRAME
TRACTOR

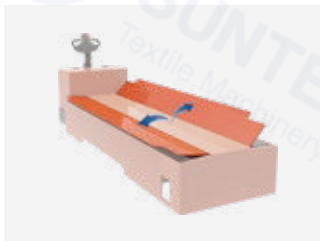
HYDRAULIC
TROLLEY

LOOM
TAKE-UP

BEAM

ST-MBT-08

ELECTRIC BIG BATCH TRANSPORT TROLLEY



Fit Comfortable,
Flexible Loading



Compact Structure,
Heavy Capacity



EPS Steering,
Easy Operation



4Hrs Fast Charging,
8Hrs Long Lasting

Carrying Capacity	Big Batch Diameter	Lifting / Driving	Battery
 KG			
2500/3000 kgs	400-1500 mm	5 Motors	24V / 200Ah

ST-MBT-09

ELECTRIC WARP BEAM TRANSPORT TROLLEY



Compact Structure, Heavy Capacity



EPS Steering, Easy Operation



4Hrs Fast Charging, 8Hrs Long Lasting

Carrying Capacity	Lifting Stroke	Beam Flange Diameter	Lifting / Driving	Battery
 KG				
up to 4500 kgs	110 mm	800-1250 mm	3 Motors	24V / 200Ah

ST-MBT-10

RIDE-ON ELECTRIC STACKER

Carrying Capacity	Lifting Height	Turning Radius
1500/2000 kgs	1600/2500/3000 3500/4500/5000 5500 mm	1660 mm



ST-MBT-10I

WALKIE TYPE ELECTRIC STACKER

Carrying Capacity	Lifting Height	Turning Radius
1500/2000 kgs	1600/2500/3000 3500/4000 mm	1660 mm



ST-MBT-10II

ELECTRIC REACH STACKER

Carrying Capacity	Lifting Height	Mast Extension	Turning Radius
1200/1500 2000 kgs	2500/3000/3500 5000/5500 mm	500 mm	1660 mm



ST-MBT-10III

ELECTRIC DEEP REACH TRUCK

Carrying Capacity	Lifting Height	Mast Extension	Turning Radius
1000 kgs / 1600 kgs	3000/3500/4500 5000/5500/6000 6500 mm	Single-Scissor: 500 mm Double-Scissor: 1200 mm	1848 mm / 2145 mm



ST-MBT-11-30

ELECTRIC A-FRAME TRACTOR



Carrying Capacity	Lifting Stroke	Lifting / Driving	Battery
3000 kgs	110 mm	2 Motors	12V / 65Ah

ST-MBT-11-50

ELECTRIC A-FRAME TRACTOR



Carrying Capacity	Lifting Stroke	Lifting / Driving	Battery
5000 kgs	160 mm	2 Motors	24V / 200Ah

BEAM
STACKER

ELECTRIC
TROLLEY

ELECTRIC
STACKER

A-FRAME
TRACTOR

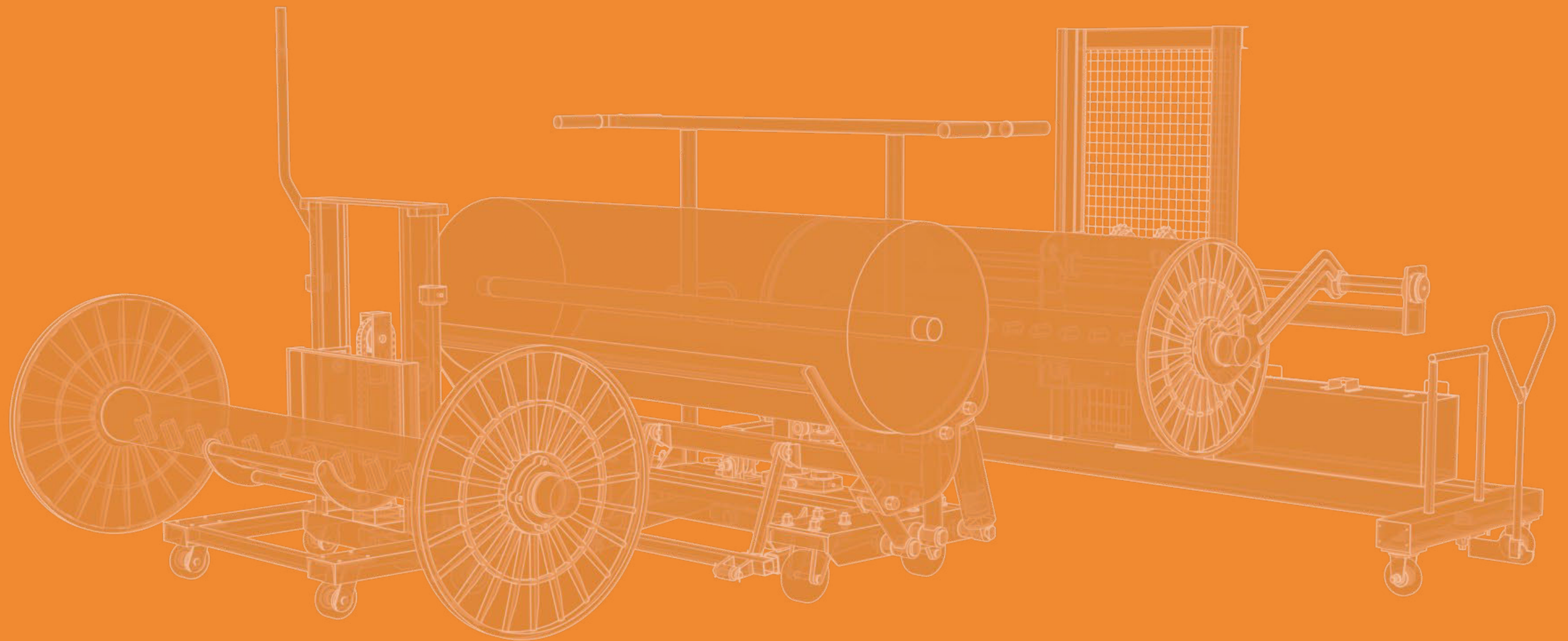
HYDRAULIC
TROLLEY

LOOM
TAKE-UP

BEAM

PART 2

Hydraulic Equipment Solutions & Accessories



ST-HBT-01
WARP BEAM LIFT TROLLEY



Carrying Capacity	Lifting Height	Beam Flange Diameter
2500/3000 kgs	700 mm	800-1250 mm

ST-HBT-02
WARP BEAM LIFT TROLLEY
WITH HARNESS MOUNTING DEVICE



Carrying Capacity	Lifting Height	Beam Flange Diameter
2500/3000 kgs 300 kgs(Heald Frame)	700 mm 1820 mm(Heald Frame)	800-1250 mm

ST-HBT-04I
SEMI-ELECTRIC WARP BEAM
HIGH LIFT TRUCK



Carrying Capacity	Lifting Height	Beam Flange Diameter
2000/3000 kgs	2300 mm	800-1250 mm

ST-HBT-09
WARP BEAM TRANSPORT
TROLLEY



Carrying Capacity	Lifting Stroke	Beam Flange Diameter
2500/3000 kgs	110 mm	800-1250 mm

ST-HBT-07
CLOTH ROLL DOFFING
TROLLEY



Carrying Capacity	Cloth Roll Diameter	Centre Height
500 kgs	500 mm	585 mm

ST-HBT-07II
CLOTH ROLL DOFFING
TROLLEY **HEAVY LOAD**



Carrying Capacity	Cloth Roll Diameter	Centre Height
1000 kgs	1000 mm	950 mm

ST-HBT-09I
EMPTY BEAM TRANSPORT
TROLLEY



Carrying Capacity	Centre Height	Beam Flange Diameter
500 kgs	750 mm	800-1250 mm

ST-HBT-11-50
A-FRAME TRACTOR



Carrying Capacity	Lifting Stroke
5000 kgs	110 mm

BEAM
STACKER

ELECTRIC
TROLLEY

ELECTRIC
STACKER

A-FRAME
TRACTOR

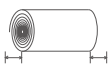
HYDRAULIC
TROLLEY

LOOM
TAKE-UP

BEAM

ST-LTM-01
BATCH WINDER
INCLINED INSPECTION SCREEN



Speed	Fabric Width	Batching Diameter Max	Edge-alignment Error	Voltage
				
Synchronized with Weaving Machines	1.8-4.0 m	1500 mm	≤5 mm	Customized

ST-LTM-02
BATCH WINDER
VERTICAL INSPECTION SCREEN



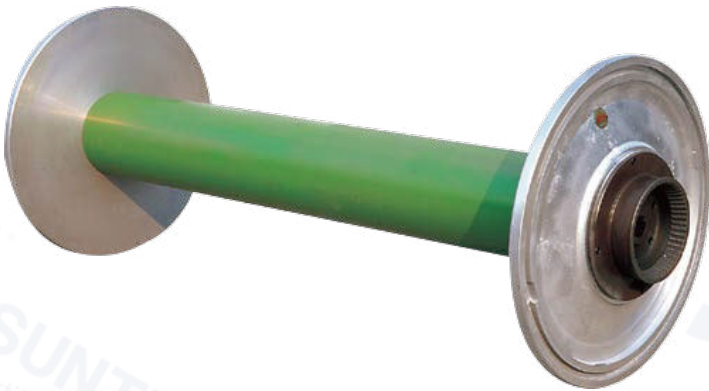
ST-LTM-03
BATCH WINDER
CENTER REWINDING SYSTEM



ST-WB-01
WEAVING BEAM



ST-WB-02
WARPING BEAM



BEAM
STACKER

ELECTRIC
TROLLEY

ELECTRIC
STACKER

A-FRAME
TRACTOR

HYDRAULIC
TROLLEY

LOOM
TAKE-UP

BEAM

★ THEY PUT THEIR TRUST IN US

