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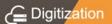






MATERIAL STORAGE &HANDLING **EQUIPMENTS**

Y// For Weaving Factories









OUR PRODUCTION LINE FAMILY



FABRIC MAKE-UP MACHINES

Automatic solutions for dyeing and finishing plants, including Camera Inspecting, Rolling, Cutting, Taping, Labeling, Packing, Sorting and Stacking, etc., meet every unique request for your business.



MATERIAL STORAGE & HANDLING EQUIPMENT

Various Electric Trolleys (Trucks) with AC Technology as well as automatic Beam Stacker for warp beam/fabric beams. Turn-key project to optimize the production process for your modern weaving



SPECIAL RAPIER LOOM

Special Rapier Loom for fiberglass and carbon fiber, particularly applied in aerospace, automotive, construction, environmental energy and other high-value industries.



NONWOVEN MACHINES



17000+

400000m²

WHY SUNTECH?



CUSTOMIZED SOLUTIONS

Meet Your Special Demand in Business



QUALITY CONFIDENCE

Strict Quality Control, 5S Management, CE Guarantee



HONOR CUSTOMER ZONE

Enjoy the Premium Membership Service



LIFE CYCLE SERVICE

Technical Iteration and Maintenance Plan

An ISO certified and SGS audited company, with CE certificates for EU markets:







ABOUT SUNTECH

your development partner always!



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Part 1

COMPUTERIZED BEAM STORAGE SYSTEM

ST-BS

BEAM STACKER (TRIPLE-BEAM)



The model ST-BS is the best solution for storage of ready warp beam/size beam/weaving beam/fabric roll, which is widely applicable in the weaving preparation workshop, weaving unit and finishing unit for space utilization and to avoid damage of ready warp/fabric roll. They are available in different models for handling each particular situation. For example, loading and unloading can be undertaken from one position to several positions at one or different level.

The model ST-BS could employ a microprocessor controlled information system for storage and retrieval particular beams.

ST-BS

BEAM STACKER (DOUBLE-BEAM)



7 GUARANTEES

1. Raw Material Guarantee

Sourcing From International Standard Steel Giants.

2. Precision Guarantee

Components Processed by High-precision CNC, like Running Wheels, Chain Wheels etc.

3. Machining Guarantee

CNC Cutting and Welding Qualified with Crack Testing Report.

4. Artistic Appearance

Patented Shot Blasting Technology Improve the Fatigue Strength, Increase the Coverage; Optimize Surface Roughness.

5 Double Rustproof Guarantee

Epoxy primer+Surface metallic Painting.

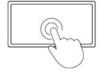
6. ZERO Accident Guarantee

European Safety Standard + Newest Chain-Synchronization Auto Detecting Technology + All Electric Parts from French "Schneider".

7 Factory Qualification Guarantee

SGS approved, ISO9001: 2015 standard.

1



2



SOFTWARE WITH BEAM SEARCH FUNCTION

3



MULTI-LANGUAGE SELECTION 4



ERP COMPATIBLE

5

MOBILE APP AVAILABLE

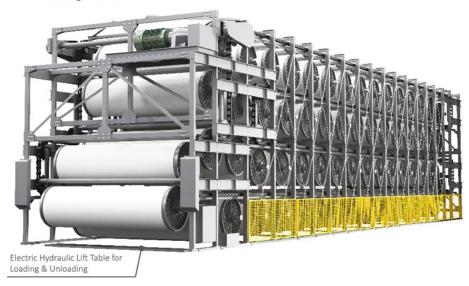
TOUCH PANEL CONTROL B

S

ST-BS

BEAM STACKER (SINGLE-BEAM)

For Single Beam:



1/2 Exit 1/2 Embedded Exit 1/2 Vertical Layer	2/4/6/8 Layer	20-120 pcs	ф500-1250 mm	Model 1500-3900	electric hydraulic lift table
	2 1 0 0 0		P	k	
Installation Options	Storage Layer	Storage Capacity	Diameter of Beam or Fabric Roll	Width of Beam or Fabric Roll	Loading & Unloading

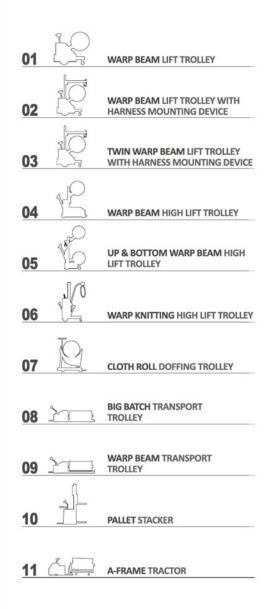
	1	Enclosed Control Panel with PLC for sequential control of machine
URES	2	HMI (Touch Panel) for easy and quick access of data and machine operation.
FEATU	3	Automatic Beam Selection based on entered data like beam No./beam code/mill code/etc. Machine will select shortest path and bring the selected beam at doffing position.
"	4	Safety controls are interlocked with machine operation.

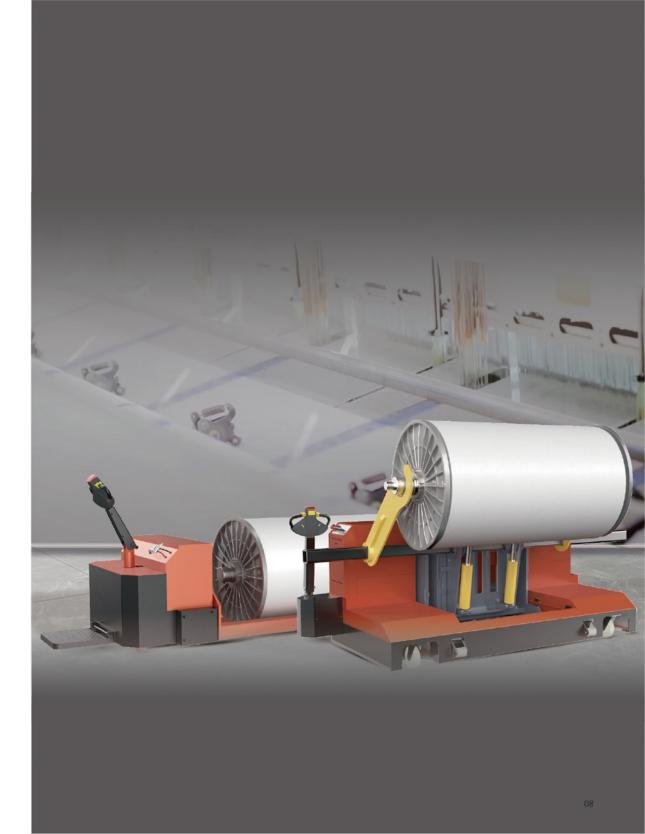
TECHNICAL SPECIFICATIONS *(some standard models)

	Overall Dimension(mm)		Type of Warp Beam	Layer		
Storage Capacity	L	w	н	(PICANOL)		
30	11360					
40	14800					
50	18250					
60	21700	4000	5420	Ф1000 x 220cm	4	
70	15150					
80	28600					
100	35500					
30	12100					
40	15780					
50	19460					
60	23140	4000	5812	Ф1100 x 220cm	4	
70	26820					
80	30500					
100	37860					
70	18600					
80	21000	4000	8775	Ф1100 x 220cm	6	
100	25900					

Part 2

MATERIAL HANDLING EQUIPMENT









WARP BEAM LIFT TROLLEY

ST-MBT-01I

ELECTRIC TYPE

HOOK TYPE

Warp beam weighing up to 1800kgs and beam width as per requirements. The trolley is applicable for any weaving machines with their nominal working width 170-340cm without changing its size. A transverse of 10cm for easy beam positioning.





Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	H	d	-	
1000-1800 kgs	700 mm	800-1250 mm	3 Motors	24 V/ 210 Ah(240Ah)

	1	Regular drive with 3 drive motors.	
FEATURES	2	Maintenance-free battery.	
	3	Electronic pulse steering for smooth starting and braking.	
	4	Automatically extending support rollers for transverse movement.	
	5	Lifting movement by the motor-driven with automatic quick lift.	

ST-MBT-01II

ELECTRIC TYPE

CRADLE TYPE

Warp beam weighing up to 1800kgs and beam width as per requirements. The trolley is applicable for any weaving machines with their nominal working width 170-340cm without changing its size. A transverse of 10cm for easy beam positioning.



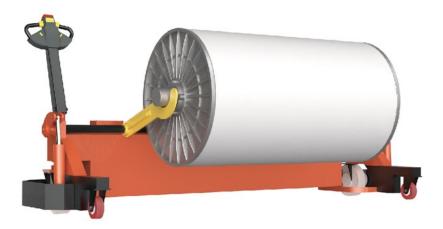
Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	H	D ₹	4	•
1000-1800 kgs	700 mm	800-1250 mm	3 Motors	24 V/ 210 Ah(240Ah)

EATURES	1	Regular drive with 3 drive motors.	
	2	Maintenance-free battery.	
	3	Electronic pulse steering for smooth starting and braking.	
뿐	4	Automatically extending support rollers for transverse movement.	
	5	Lifting movement by the motor-driven with automatic quick lift.	

ST-MBT-01

ELECTRIC TYPE

Suitable for Bottom Beam transporting, inserting in weaving machines; Warp beam weighing up to 2500kgs and beam width as per requirement.



Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	H	d ≥	q (d ~~
1000-2500 kgs	700 mm	800-1250 mm	3 Motors	24 V/ 210 Ah(240Ah)

FEATURES	1	Regular drive with 3 drive motors.	
	2	Maintenance-free battery.	
	3	Electronic pulse steering for smooth starting and braking.	
	4	Lifting movement by the motor-driven with automatic quick lift.	

ST-HBT-01

HYDRAULIC TYPE

Suitable for Bottom Beam transporting, inserting in weaving machines; Warp beam weighing up to 2500kgs and beam width as per requirement.

The carriage, which is equipped with oscillating suspended double wheels from a loading capacity of 2500kgs, is very gentle to the floor, because the load is really distributed to both wheels.



Carrying Capacity	Lifting Height	Beam Flange Diameter	Hydraulic Cylinders	Hydraulic Unit
KG	H	□	9	
1000-2500 kgs	700 mm	800-1250 mm	2	1

FEATURES	1	Separate steering by push/pull bar at both sides.	
	2	Steering in travelling direction fixable on the left and right side.	
	3	Two steered wheels and two guided wheels.	
	4	Wheels with ball bearings and thread protection caps.	
	5	Lifting movement by the hydraulic rod with quick lift.	





WARP BEAM LIFT TROLLEY WITH HARNESS MOUNTING DEVICE

ST-MBT-02I

ELECTRIC TYPE

Mounting Device



Remote Control



Suitable for Bottom Beam transporting, inserting in weaving

loading capacity of 300kgs for the heald frame.

of 10cm for easy beam positioning.

machines. Warp beam weighing up to 1800kgs and an additional

The harness is accommodated by the standard take-up for the

harness frame or the complete warp stop motion. A transverse

REMIUM

Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	H.	d ■	-	(~
1000-1800 kgs(Bottom Beam) 300 kgs(Heald Frame)	700 mm(Bottom Beam) 1950 mm(Heald Frame)	800-1250 mm	3 Motors	24 V/ 210 Ah(240Ah)

Regular drive with 3 drive motors. Maintenance-free battery. Electronic pulse steering for smooth starting and braking. Automatically extending support rollers for transverse movement. Lifting movement by the motor-driven with automatic quick lift. Harness mounting device. The carrying arms are guided parallel to keep the warp tension even.

ST-MBT-02

ELECTRIC TYPE

Suitable for Bottom Beam transporting, inserting in weaving machines. Warp beam weighing up to 2500kgs and an additional loading capacity of 300kgs for the heald frame.

The harness is accommodated by the standard take-up for the harness frame or the complete warp stop motion.



Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	H)	D ₹	-	(~
1000-2500 kgs(Bottom Beam) 300 kgs(Heald Frame)	700 mm(Bottom Beam) 1950 mm(Heald Frame)	800-1250 mm	3 Motors	24 V/ 210 Ah(240Ah)

Regular drive with 3 drive motors. Maintenance-free battery. Electronic pulse steering for smooth starting and braking. Lifting movement by the motor-driven with automatic quick lift. Harness mounting device. The carrying arms are guided parallel to keep the warp tension even.

ST-HBT-02

HYDRAULIC TYPE

Suitable for Bottom Beam transporting, inserting in weaving Machines; warp beam weighing up to 2500kgs and an additional loading capacity of 300kgs for the heald frame.

The harness is accommodated by the standard take-up for the harness frame or the complete warp stop motion.



Carrying Capacity	Lifting Height	Beam Flange Diameter	Hydraulic Cylinders	Hydraulic Unit
KG	H)	d ₹		I
	700 mm(Bottom Beam) 1950 mm(Heald Frame)	800-1250 mm	3	2

FEATURES	1	Separate steering by push/pull bar at both sides.	
	2	Steering in travelling direction fixable on the left and right side.	
	3	Two steered wheels and two guided wheels.	
	4	Lifting movement by the hydraulic rod with quick lift.	
	5	Harness mounting device. The carrying arms are guided parallel to keep the warp tension even.	





TWIN WARP BEAM LIFT TROLLEY WITH HARNESS MOUNTING DEVICE

ST-MBT-03

ELECTRIC TYPE

Suitable for Twin Bottom Beams transporting, inserting in weaving machines. The harness is accommodated by the standard take-up for the harness frame or the complete warp stop motion.

ST-HBT-03 HYDRAULIC TYPE

Suitable for Twin Bottom Beams transporting, inserting in weaving machines. The harness is accommodated by the standard take-up for the harness frame or the complete warp stop motion.



Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	H	□ D	1	
1000-2500 kgs(Bottom Beam) 300 kgs(Heald Frame)	700 mm(Bottom Beam) 1950 mm(Heald Frame)	800-1250 mm	3 Motors	24 V/ 210 Ah(240Ah)

FEATURES	1	Regular drive with 3 drive motors.	
	2	Maintenance-free battery.	
	3	Electronic pulse steering for smooth starting and braking.	
	4	Lifting movement by the motor-driven with automatic quick lift.	
	5	Harness mounting device. The carrying arms are guided parallel to keep the warp tension even.	



Carrying Capacity	Lifting Height	Beam Flange Diameter	Hydraulic Cylinders	Hydraulic Unit
KG	H	d ₹		İ
1000-2500 kgs(Bottom Beam) 300 kgs(Heald Frame)	700 mm(Bottom Beam) 1950 mm(Heald Frame)	800-1250 mm	3	2

FEATURES	1	Separate steering by push/pull bar at both sides	
	2	Steering in travelling direction fixable on the left and right side.	
	3	Two steered wheels and two guided wheels	
	4	Wheels with ball bearings and thread protection caps.	
	5	Lifting movement by the hydraulic rod with quick lift.	
	6	Harness mounting device. The carrying arms are guided parallel to keep the warp tension even.	





WARP BEAM HIGH LIFT TROLLEY

ST-MBT-04

ELECTRIC TYPE

Suitable for Upper Beam transporting, inserting in weaving machines; the removal of batches from the winder; the loading of warp beam storage racks and batch storage racks.



Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	H	d ≥		4
1000-2500 kgs	2300 mm	800-1250 mm	3 Motors	24 V/ 210 Ah(240Ah)

FEATURES	1	Regular drive with 3 drive motors.	
	2	Maintenance-free battery.	
	3	Electronic pulse steering for smooth starting and braking.	
	4	Automatically extending support rollers for transverse movement.	
	5	Lifting movement by the motor-driven with automatic quick lift.	

ST-HBT-04I

SEMI-ELECTRIC TYPE

Suitable for Upper Beam transporting, inserting in weaving machines. The lifting movement is motorized, and the transporting is manually.



Carrying Capacity	Lifting Height	Beam Flange Diameter	Hydraulic Cylinders	Hydraulic Unit
KG	H	D		
1000-2500 kgs	2300 mm	800-1250 mm	2	1

FEATURES	1	Separate steering by push/pull bar at both sides.	
	2	Steering in travelling direction fixable on the left and right side.	
	3	Two steered wheels and two guided wheels.	
	4	Wheels with ball bearings and thread protection caps.	
	5	Lifting movement by the motor-driven with quick lift.	





UP & BOTTOM WARP BEAM HIGH LIFT TROLLEY

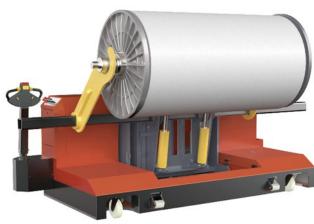
ST-MBT-05

ELECTRIC TYPE

Suitable for Upper& Bottom Beam transporting, inserting in weaving machines; the loading of warp beam storage racks and batch storage racks. A transverse of 10cm for easy beam positioning.

(Especially for terry towel loom)





Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	H	D	ed ((Ar
1000-2500 kgs	2300 mm	800-1250 mm	3 Motors	24 V/ 210 Ah(240Ah)

	1	Two travelling gears ensure optimum traction and curve driving.	
RES	2	Two automatically extending support wheels.	
FEATUR	3	Taking up of warp beam by means of adjustable grippers.	
	4	Smooth control of lifting and lowering as well as swiveling.	
	5	Smooth forward and backward moving of reach mast.	

ST-MBT-05I

ELECTRIC TYPE

Suitable for Upper&Bottom Beam transporting, inserting in weaving machines; the loading of warp beam storage racks and batch storage racks.



Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	H	□	4	(~~
1000-2000 kgs	2300 mm	800-1250 mm	3 Motors	24 V/ 210 Ah(240Ah)

	1	Carrying upper and bottom beams together.	
ES	2	Two travelling gears ensure optimum traction and curve driving.	
FEATURES	3	Two automatically extending support wheels.	
뿐	4	Taking up of warp beam by means of adjustable grippers.	
	5	Smooth control of lifting and lowering.	





WARP KNITTING HIGH LIFT TROLLEY

ST-MBT-06 ELECTRIC TYPE

With the warp knitting high lift trolley, pre-assembled warp beams weighing up to 2000kgs are picked with steel ropes from the assembling rack and are mounted into the knitting machines. The vehicle can also be used in restricted spaces due to its compact design.



Carrying Capacity	Lifting Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	H	D		
1000-2000 kgs	4200 mm	500-1000 mm	3 Motors	24 V/ 210 Ah(240Ah)

ATURES

- Direct transport from the warehouse or the weaving preparation area to the knitting machine, without having to handle the warp beams in between.
- Smooth control of lifting and lowering as well as swiveling.
- Smooth forward and backward moving of foot support.
- Lifting movement by motor dirven.





CLOTH ROLL DOFFING TROLLEY

ST-HBT-07 LOW LIFT

The trolley has a cradle for removing cloth rolls from weaving machines. with a loading of 500kgs, it can be easily operated and can also be handled in very narrow aisles.



Carrying Capacity	Cloth Roll Diameter	Centre Height	Hydraulic Cylinders	Hydraulic Unit
KG	Ę D)H	Î	
300-500 kgs	500 mm	585 mm	2	1

	1	A vehicle which can be easily moved.
rures	2	Push bar can be operated from both sides.
FEAT	3	Foot-operated pump with automatic quick lift.
-	4	Special lifting system for effcient operation even in narrow aisles.

ST-HBT-07I

HIGH LIFT

The trolley has a cradle for removing or uploading cloth rolls from or on fabric inspection machines. With a loading capacity of 500kgs, it can be easily operated and can also be handled in very narrow aisles. The pumping force is adjusted by the foot-operated pump with automatic quick lift.

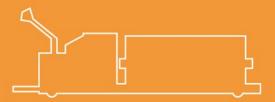


Carrying Capacity	Cloth Roll Diameter	Centre Height	Hydraulic Cylinders	Hydraulic Unit
KG		H	9	
500 kgs	1000 mm	1100 mm	1	1

	1	A vehicle which can be easily moved.	
rures	2	Foot-operated pump with automatic quick lift.	
FEAT	3	Special lifting system for efficient operation even in narrow aisles.	
	4	With a lifting height of 1100mm to match with the fabric inspection machines.	



08



BIG BATCH TRANSPORT TROLLEY

ST-MBT-08 ELECTRIC TYPE

The trolley is applied for rolling over safely and transporting big batch with max. Weight of 2500kgs. The cradle length can be adapted to the relevant batch length. The trolley height can also be adapted to the height of the batch winder.



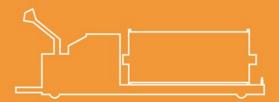
Carrying Capacity	Cloth Roll Diameter	Lifting/Driving	Battery
KG		-	
1000-2500 kgs	800-1500 mm	2 Motors	24 V/ 210 Ah(240Ah)

Transport of batches with diameter up to 1500mm from the weaving to the storage area.

Loading from the batching motion possible on both sides.

Smooth travelling through step-less control.





WARP BEAM TRANSPORT TROLLEY

ST-MBT-09

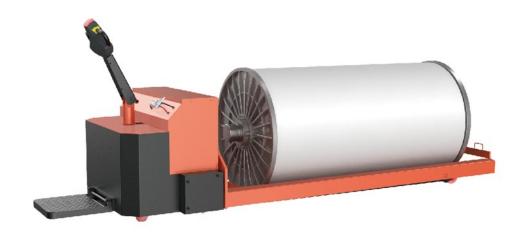
ELECTRIC TYPE

This trolley is designed for the easy transport of warper's beams and warp beams weighing up to 2500kgs and is also suitable for longer distances, e.g. from the warping frame to the warping machine or to the warehouse.

ST-HBT-09

FOR FULL BEAM

The prismatic forks drive underneath the warper's beams or warp beams and lift them hydraulically. With the lowering handle, the load is gently deposited on the floor.



Carrying Capacity	Centre Height	Beam Flange Diameter	Lifting/Driving	Battery
KG	<u></u>	D	1	a ~sr
800-2500 kgs	110 mm	800-1250 mm	2 Motors	24 V/ 210 Ah(240Ah)

RES	1	Strong, robust travelling mechanism.	
ATUR	2	Polyurethane running wheels cushion the vehicle while driving on a rough roadway surface.	
FEJ	3	Solid prismatic support.	



Carrying Capacity	Centre Height	Beam Flange Diameter	Hydraulic Cylinders	Hydraulic Unit
KG	H	d <u>□</u>		Ï
1000-2500 kgs	110 mm	800-1250 mm	1	1

URES	1	Well-proven, maintenance-free hydraulic system.
ATUR	2	Reduced pump force required.
FEAT	3	Solid prismatic supports.

ST-HBT-09I

FOR EMPTY BEAM

Suitable for empty beam transporting, loading /unloading in loom shed and beaming section. Carrying capacity up to 500kgs and beam flange diameter up to 1250mm.



Carrying Capacity	Centre Height	Beam Flange Diameter	Hydraulic Cylinders	Hydraulic Unit
KG)H	Q ≥	9	Ĺ
100-500 kgs	750 mm	800-1250 mm	1	1

ES	1	Suitable for loading, unloading and carrying empty beams of dia 800-1250mm flange.
ATUR	2	Carrying capacity up to 500kgs.
2	3	Four caster wheels provide underneath of trolley for easy movement.





PALLET STACKER

ST-MBT-10

ELECTRIC STACKER

Suitable for different applications in convenient and easy operation. Apart from standard specifications already available, the stacker can be customized to meet speciftc requirements of loading device, carrying capacity, lifting height etc.



Carrying Capacity	Lifting Height	Turning Radius	Lifting	Battery
KG	JH T	R AR	4	
1000-2000 kgs	1600/2500/3000/3300 3500/4500/5000/5500 mm	1660 mm	2 Motors	15 V/ 115 Ah

Double lift cylinder design, ensure accurate and smooth lift.

Unique wide-view mast design greatly increase operator's vision.

With explosion-proof valve at the bottom of cylinder, the mast will not rapidly decline even if the pipe burst.

ST-HBT-10I

SEMI-ELECTRIC STACKER

Suitable for different applications in convenient and easy operation. Apart from standard specifications already available, the stacker can be customized to meet specific requirements of loading device, carrying capacity, lifting height etc.



Carrying Capacity	Lifting Height	Turning Radius	Lifting	Battery
KG	H	R AA		9
1000-2000 kgs	1600/2000/2500/ 3000/3300/3500 mm	1430 mm	1 Motor	15 V/ 115 Ah

ATURES

- Strong mast material ensure high capacity.
- Explosion-proof valve in the pump, to avoid rapid decline to ensure the operator's safety.
- Over-discharge protection device greatly extends battery life.





A-FRAME TRACTOR

ST-MBT-11-50

ELECTRIC TYPE

The motorized A-frame tractor can lift and tow batch trolleys A-frames up to 5000kgs. It is equipped with a collision protection device on the driving part and behind the running wheels, since it is often used under rough conditions. The lifting range of the spherical head and the spherical head diameter can.

be tailor-made to suit the individual customer's requirements.



Carrying Capacity	Lifting Height	Lifting/Driving	Battery
KG	H	4	
5000 kgs	300 mm	2 Motors	24 V/ 210 Ah(240Ah)

	1	Large steering angle.
URES	2	Collision protection.
FEATURES	3	High battery capacity for a long service time.
	4	AC control for optimal energy utilization.

ST-MBT-11-30

ELECTRIC TYPE

The motorized A-frame tractor can lift and tow batch trolleys A-frames up to 3000kgs. It is equipped with a collision protection device on the driving part and behind the running wheels, since it is often used under rough conditions. The lifting range of the spherical head and the spherical head diameter can.

be tailor-made to suit the individual customer's requirements.



Carrying Capacity	Lifting Height	Lifting/Driving	Battery
KG	H	-	
3000 kgs	300 mm	2 Motors	24 V/ 210 Ah(240Ah)

	1	Large steering angle.	
FEATURES	2	Collision protection.	
FEAT	3	High battery capacity for a long service time.	
	4	AC control for optimal energy utilization.	

ST-HBT-11-50

HYDRAULIC TYPE

The hydiaulic A-frame lifting trolley is small, robust and powerful. Due to its loading capacity of 5000kgs, the trolley can transport A-frame weighing up to 5000kgs. The spherical head diameter and the lifting range of the spherical head can be adapted to the individual requirements.



Carrying Capacity	Lifting Height	Hydraulic Cylinders	Hydraulic Unit
KG	H	Q.	
3000/5000 kgs	300 mm	1	1

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- High loading capacity.
- Large, smoothly running PU wheels directly under the load. Thus, the vehicle can easily turn on the spot.
- Robust hydraulic system.

Part 3

AUTOMATED GUIDED VEHICLES(AGV)



ST-AGV-FL

FORKLIFT TYPE

This AGV is in forklift structure, in light weight and heavy capacity, with latest electrical controlling system, to make sure stable and steady vehicle condition for whole procedure of design, manufacturing, operation and maintenance.



	S	Sales
Autonomous navigation	Planning path	Laser navigation

Dimension(LxWxH) 1605×882×2036mm

Lifting height 1600mm

Position accuracy **±10mm**

Walk Way

Forwad, backward, turn

Fork Size(LxWxH) 1150×180×65mm

Capatity 1400kg

Fork lifting accuracy **±10mm**

Driving Way

Single steering wheel

Weight 680kg

Guiding Way Laser

Battery
Lithium Battery DC 24V/180Ah

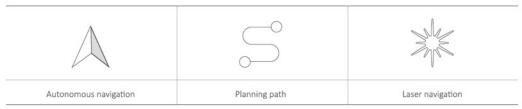
ST-AGV-RC

ROLLER TYPE

This AGV is mainly used in automated logistics transportation lines in an industrial environment to complete the handling of goods between stations and stations, and between stations and warehouses, It is an important part of the future Industry 4.0 intelligent factory and can replace manual operation to undertake complicated, difficult, dangerous and repetitive tasks in logistic system.

This AGV consists of two parts, a two-wheel differential sports chassis and a cargo business module. It is equipped with the latest hardware platform and software system, and realizes cargo handling based on autonomous navigation technology and sports chassis technology.





Dimension(LxWxH)
1146x870x712mm
(cargo platform not included

Turning Radius 1350mm

Guiding Way Laser

Walk Way Forwad, backward, turn Chassis height to ground

30mm

Capatity 100kg

Position accuracy **±10mm**

Lithium iron phosphate Battery

Weight 300kg

Roller Conveyor Rated Speed 12m/min

Rated running speed 1.2m/s

Driving Way

Two-wheel differential

ST-AGV-TC-1.5

Two Way Carrying Type

This AGV contains two parts, hardware and software, its main function is to realize the automatic docking and handling of materials in the automatic threading production line of texturing workshop. The AGV is a non-standard customized carrying AGV. The automatic threading AGV part of the texturing workshop is composed of the AGV central management system and the non-standard customized unit loaded on the AGV. At the same time, the non-standard customized unit loaded on the AGV is composed of mechanical structure and electric actuator, pneumatic actuator and other









1500kg

Laser

Guiding Way

Walk Speed

0-40m/min

Autonomous navigation

Planning path

Laser navigation

Dimension(LxWxH) 2400x1400x2790mm

Turning Radius 1600mm

Forwad, backward, turn

Double steering wheel

AGV Controlling System Imported system(NDC)

1500kg

Position accuracy ±15mm

Lithium Battery, 48V 200AH

ST-AGV-TC-3.5

Two Way Carrying Type

This AGV contains two parts, hardware and software, its main function is to realize the automatic docking and handling of materials in the automatic threading production line of texturing workshop. The AGV is a non-standard customized carrying AGV. The automatic threading AGV part of the texturing workshop is composed of the AGV central management system and the non-standard customized unit loaded on the AGV. At the same time, the non-standard customized unit loaded on the AGV is composed of mechanical structure and electric actuator, pneumatic actuator and other components.







Autonomous navigation

Planning path

Laser navigation

Dimension(LxWxH) 3200x2600x3000mm

Turning Radius 1600mm

Walk Way

Forwad, backward, turn

Double steering wheel

AGV Controlling System Imported system(NDC)

3500kg

Position accuracy ±15mm

Lithium Battery, 48V 200AH

2000kg

Guiding Way Laser

> Walk Speed 0-40m/min

Part 4

LOOM TAKE-UP MACHINE & BEAMS



ST-LTM-01

WITH INCLINED INSPECTION SCREEN

Loom Take-Up Machine(Batch Winder)is designed to attach all types of weaving machines. Any type of Woven, Non-Woven or Knitted Fabrics can be taken up on the machine and are designed to give tight and compact rolls from the most elastic to heaviest fabrics such as industrial textiles.

- Fast and easily handled, requiring for one operator only
- Less fabric waste and increase efficiency
- Synchronize production process



Synchronized with Weaving Machines	1.8-4.0 m	≤1500 mm	≤5 mm	3 Phase 380 V 50 HZ(Customized)
<u>a</u>		0		(H)
Speed	Fabric Width	Batching Diameter Max	Edge-alignment Error	Battery

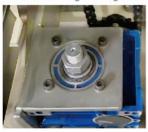
REMARK: Variable working width is possible and can be tailor-made to your requirements of processing needs.

- Suitable for any kind of fabrics
- Attached to any brand of weaving machines
- Ç⁄
- I. Doffing: Manual / pneumatic / electric
- II. Automatic tension controlling; tension setting on demand
- III. Center rewinding / surface rewinding

Pneumatic Roll Ejection Device







Touching Screen

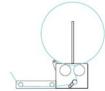




1	Various models available allow Batching of Fabric as well as with On-Loom Inspection.	
2	Automatic synchronization with the weaving machine.	
3	Positive tension adjustment allows precise selection for any fabric on any Loom.	
4	Forward &reverse (not full) movement of fabric.	
5	Operator's platform with anti-fatigue material and toe-guards.	
6	Crease free winding of fabric.	
7	Compact rolls due to differential ratio of the batcher rolls.	
8	Option- Accurate length measuring giving accuracy of $\pm0.01\%$.	
9	Option-Semi-automatic doffing device(pneumatic roll ejection device).	
10	Option- Automatic fabric selvedge shifting device for thick selvedge.	
	2 3 4 5 6 7 8	Automatic synchronization with the weaving machine. Automatic synchronization with the weaving machine. Positive tension adjustment allows precise selection for any fabric on any Loom. Forward & reverse (not full) movement of fabric. Operator's platform with anti-fatigue material and toe-guards. Crease free winding of fabric. Compact rolls due to differential ratio of the batcher rolls. Option- Accurate length measuring giving accuracy of ± 0.01%. Option-Semi-automatic doffing device(pneumatic roll ejection device).

ST-LTM-01 WITHOUT INSPECTION

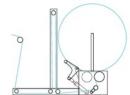




ST-LTM-02

WITH VERTICAL INSPECTION SCREEN

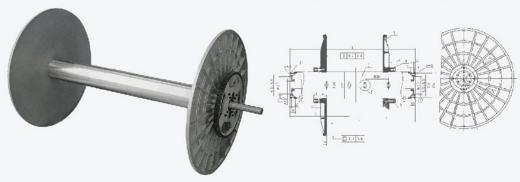




ST-WB-01

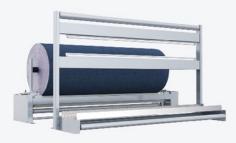
WEAVING BEAM





ST-LTM-02

WITH SIMPLE INSPECTION LIGHT



ST-LTM-03

CENTER REWINDING SYSTEM



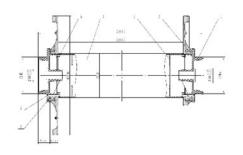
ST-WB-02

WARPING BEAM



SUNTECH WARPER'S BEAM is suitable for spun and filament yarn Benninger, Karl mayer, Hakoba, West Point, Sucker and other high speed sectional and conventional warping machines.

SUNTECH WEAVER'S BEAM is applicable for Toyota, Tsudako-



OVER 50 YEARS' INNOVATION



