

## we create bio strapping

SABAU STRAPPING is a company with experience in the manufacture of plastic straps, materials and packaging machines since 1978. We have many solutions to offer you a maximum responsibility product, adaptable to any economic sector.

With over 40 years of experience in the packaging sector. Committed to the environment with totally clean and ecological products.

The raw materials, the production process, quality control, and above all a permanent analysis of the environment guarantee a commitment to corporate social responsibility.

Inufacturing quality since 1978

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# **SSMT**

## Electric strapping machine for PP / PET strap, 13-16mm wide, with 2 batteries

Wide Applications: Handheld portable battery powered SSMT strapping machine can combine new and old strapping types. Save time of use and workload. It is suitable for packing steel, wood, brick, fiber, etc.

Good performance: It has two 4.0A / 12V lithium batteries, which can be recharged up to 2000 times. Its recharge time is only 90 minutes, facilitating its use outdoors, and for more than 4 hours, allowing strapping up to 200 uses.

Easy to use: The SSMT strapping machine, thanks to its low weight, allows one-handed operation. It reduces the cost of packaging more than 15% and improves the intensity of strapping by approximately 2 times. This machine is suitable for 1 / 2-5 / 8 inch wide, 0.5-1.2mm / 0.02-0.5 inch thick PET (polyester), PP (polypropylene) strapping. In turn, having two batteries, these can be charged independently.



#### **Main features**

- · Lightweight and easy-to-use body
- · No burners, friction hot melt
- · Easy to move, for a wide variety of package sizes
- · High security performance
- · High degree of automation, simple operation and easy to understand
- The body and components are made of high strength and durable alloy materials



#### **Technical Data**

Strap width	from 13 mm to 16 mm
Strap thicknesss	from 0,5 mm to 1,2 mm
Strapping tension	60-2800N
Tension speed	100-200 mm/s
Dimensions	340 x 130 x 118mm
Weight	3,16 Kg.
Battery capacity	4000mA
Battery charge time	90 minutes
Charger	100V-245CAC-50-60HZ DV12.6V= 4.0A

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# **SSM-22**

The SSM-22 is an economical and compact semi-automatic strapping machine. It is designed and designed for general use and can be useful for various usage needs. The large number of customers that have this machine ensure that it is the most reliable and easy to use.



#### Features

- · High engineering standard and simple design
- · Easy to use and simple maintenance
- · Stainless steel top plate with hinges
- · External mechanical tension control
- · Hard wheels with brake
- · Energy efficiency: the engine only works as needed
- · Reliable electronic control
- · Economical, for all companies
- · Contrasted quality



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**Technical Data** 

Strap width:

Voltage range:

Weight:

Electrical

requirements:





110 V, 220 V, 230 V, 240 V

6 mm - 15.5 mm

15 kg - 45 kg

50/60Hz 1PH

85 kg



# **SSM-23**



We have a wide range of straps and materials associated with each machine

#### **Features**

- · Designed specifically for use in offices, banks, post offices, bookstores, department stores, etc.
- · Equipped with smoke exhaust system
- · Other features are the same as the SSM-22

#### Options

- · Safety switch under the table
- · Adjustable welding cooling time (0-2 sc.)

# SSM-22L



#### **Features**

- · Designed to accommodate large volume or heavy packages
- Other features are the same as the SSM-22

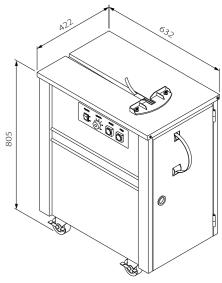
#### Options

- · Safety switch under the table
- · Adjustable welding cooling time (0-2 sec)

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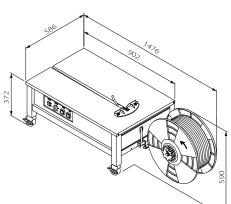






#### **Technical data**

Strap width:	6 mm - 15 mm
Voltage range	9 - 30 kg.
Weight:	80 kg
Electrical requirements:	110V, 220V, 230V, 240V 50/60 1PH



Strap width:	6 mm - 15 mm
Voltage range:	15 - 45 kg.
Weight:	80 kg
Electrical requirements:	110V, 220V, 230V, 240V 50/60 1PH















# SSM-52H

The SSM-52H inherits all the advantages of the 42, such as a compact strapping head, direct drive technology with German-made DC motors and electronic voltage control. It can easily move through all the load you want to strap without the need to move the pallet. The SSM-52H strapping machine is fast, ergonomic and an economical solution for low volume horizontal strapping solutions.

#### **Compact mechanical strapping head**

With 30% less moving parts than conventional strapping machines, it substantially reduces maintenance. It has no belts, chains or pulleys. Strapping head without just noise.

#### **Electronic Voltage Control**

The strapping tension can be precisely adjusted simply by turning the dial on the control panel. Tensile strength up to 700 N (70kg).

#### Wheel switch (jog)

By using this switch we are able to adjust the machine to the correct position for maintenance.

#### Adjustable weld cooldown time

Welding cool-down time can be increased to ensure high efficiency of the high-stress joint.

#### two directions of movement

With a simple adjustment, the machine can move forwards or sideways to approach the pallet.

#### **Miscellaneous applications**

A strapping machine perfect for fruit and vegetable crates, cement blocks, and for pallet loads with any type of contents embedded.



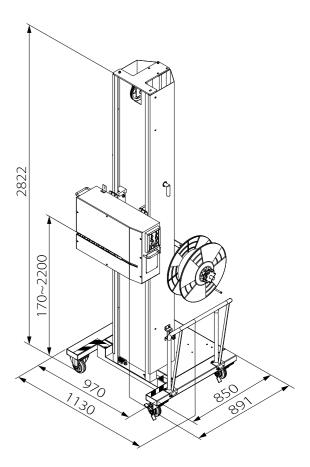


## Features

- · Compact mechanical strapping head
- · Adjustable strapping height
- · Electronic voltage control
- Advance switch
- · Adjustable weld cooldown time
- $\cdot$  Movement in two directions

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We have a wide range of straps and materials associated with each machine.

Type of strap:	Polypropylene strap
Strap width:	9 mm, 12 mm or 15.5 mm
Voltage range:	8kg - 70kg
Belt height:	min 170mm / max 2200mm
Minimum height:	200mm (pallet included)
Weight:	292kg
Electrical requirements:	110V, 220V, 230V, 240V 50/60Hz 1PH











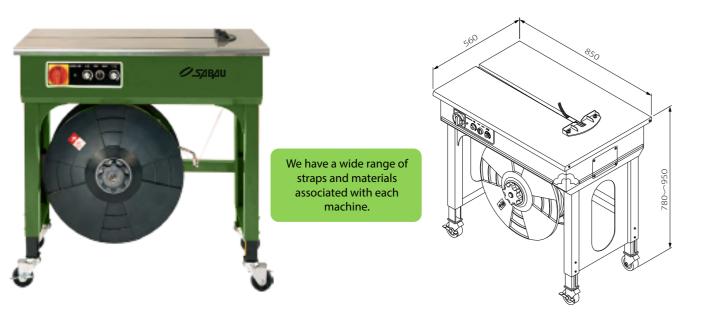




# S/B/U

# **SSM-52**

The SSM-52 is a new generation semi-automatic strapping machine. It uses direct drive technology with German-made DC motors that guarantee high reliability and durability of moving parts, need less adjustment, less maintenance and have fewer wearing components.



#### **Features**

#### **Compact mechanical strapping head**

With 30% less moving parts than conventional machines, maintenance problems are substantially reduced. There are no belts, chains or pulleys. Low noise sealing head.

#### **Electronic voltage control**

Belt tension adjustment (8-45kg) can be easily done on the front control panel.

#### Motion switch

By using the motion switch to adjust the machine to the correct position for maintenance.

#### Adjustable weld cooldown time

The cooling time of the weld can be increased to ensure a high efficiency of the joint under tension.

**Options** 

· Safety switch under the table

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#### **Technical data**

Strap width:	5 mm - 12 mm, ou 12 mm - 15 mm
Voltage range:	8 - 45 kg.
Table height:	780 - 950 mm
Weight:	70 kg
Electrical requirements:	110V, 220V, 230V, 240V 50/60 1PH

CAAE

# **SSM-60**

The SSM-60 is an economical automatic strapping machine for PP strapping. Easy operation and simple maintenance. Quality and high performance make the SSM-60 the most cost-effective solution for general applications.



#### **Features**

#### Strapping head without lubrication

The robust design of the mechanism and the high standard engineering ensure excellent durability of the machine. need for lubrication for strapping head. Therefore, it minimi maintenance and saves costs. Easy maintenance.

#### **External mechanical tension control**

Belt tension can be set easily and accurately with the dial on front of the machine. Easy operation.

#### Multiple cycle initiation methods

The machine can be operated by various methods such as foot switch, start switch or ball activated table switch. Easy operation.

#### Economical choice for every budget

The very competitive price does not come at the expense of quality.

#### **Options**

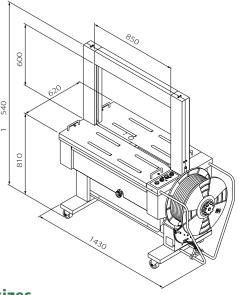
- · Short feed sensor
- · Smoke exhaust system with carbon filter
- · Table without free roll
- · PU wheels (2 free and 2 with brake)
- SUS 304 stainless steel frame
- · CE version

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#### Arc sizes

rd of	HW	650	850	1050	1250	1450	1650
. No	400	$\checkmark$	$\checkmark$	$\checkmark$	$\sim$	$\checkmark$	$\checkmark$
nizes	600	$\checkmark$	S	$\checkmark$	>	$\checkmark$	$\checkmark$
	800		$\checkmark$	$\checkmark$	>	$\checkmark$	$\checkmark$
	1000		$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	1200		$\checkmark$	$\sim$	$\mathbf{>}$	$\sim$	$\checkmark$
n the			350mm (\ e bow siz	width) x 6 e	00mm (h	eight)	

More bow sizes can be ordered

Capacity:	Greater than 27 cycles/minute
Width of straps:	6 mm, 9 mm, 12 mm, or 15.5 mm
Voltage range:	10-70kgs (CE version: over 45kg)
Weight:	220 kg
Electrical requirements:	110V, 220V, 230V, 240V 50/60 1PH 220V, 380V, 400V, 415V 50/60 3PH















# **SSM-72**

The SSM-72 is an innovative world class high speed automatic strapping machine. It is suitable for 5mm, 6mm or 12mm PP straps. Equipped with all the industry standard features and an easy-to-use creative design, the SSM-72 offers the best performance, the highest speed, the easiest maintenance and the most cost-effective solution in its class.



#### Main features



#### Robust and compact strapping head

It utilizes the latest brushless DC motor direct drive technology to provide the highest level of accuracy and reliability. All engines are of German manufacture. With no belts, clutches and pulleys, the compact design greatly minimizes the amount of moving parts and maintenance costs.



Automatic belt feed to the waist User-friendly design to automatically feed the belt from the top side of the spool without the need to access the bottom of the machine.



Acesso livre às guías de correia (patentes registadas) A placa superior com dobradiças facilita o acesso ao cabeçal de cintagem para uma manutenção rápida. Desbloquear as guías permite um acesso rápido e gratuito às guías de correia sem usar nenhuma ferramenta. O desenho mais fácil de manter.



Fast spool change at waist height (patents registered) Innovative waist reel change without access to the underside of the machine. Quick release lock eliminates downtime for changing the coil. The ergonomic, guick-change design makes changing the spool simpler than ever.

#### **More features**

#### Sensor-controlled headboard

The rapid heating mechanism is controlled by a sensor that guarantees a constant high sealing efficiency.

#### Low tension

All DC motors and heater reduce to 24V to increase machine safety.

#### **Belt and ejector**

Ejects the end of the belt from the belt feed inlet. Easy to clean the end of the belt and prepare the machine for the next belt spool.

#### Front foot bar switch

The standard front footbar switch makes operating the machine very easy. Ergonomic and easy-to-use cycle start design.

#### **Dispenser release switch**

The user-friendly design makes it easy to extract the strap from the strap dispenser for automatic strap feeding to the waist.

#### Adjustable table height

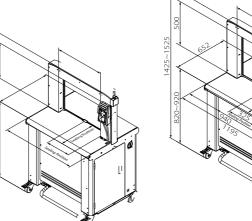
The table height is adjustable to any height between 820mm and 920mm.

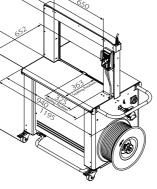
#### **Rotary operating control panel**

The rotary operating control panel with LCD screen is on top of the machine for easy access. Allows the operation of the machine from the front and rear. Easy to use.

#### Automatic strap ejector

The loop ejector automatically eliminates unwanted belt from the machine and accidentally activates without a package.





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## **Options**

- · Photo-eye switch
- · Rear foot bar switch
- Footswitch
- · Lower adjustable table height (770-820mm)
- · Selected stainless steel parts
- · SUS 304 stainless steel frame (59-12)

## Arc sizes

#### SSM-72-59 (for 5mm, 6mm, 9mm straps)

<							
<u>H</u>	550	650	850	1050	1250	1650	1850
400	<u>\$</u>		$\checkmark$				
500		$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
600			$\checkmark$				
800			$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$
1000				$\checkmark$	$\checkmark$		

Standard size: 550mm (width) x 400mm (height)

✓ Means available arc size

#### SSM-72-12 (for 12 mm straps)

		•			• •				
H	W	650	850	1050	1250	1650	1850	2050	2250
	400		$\checkmark$						
	500	S		$\checkmark$		$\checkmark$		$\checkmark$	
	600		$\checkmark$	$\checkmark$	$\checkmark$				$\checkmark$
	800		$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$		
1	000		$\checkmark$	$\checkmark$	$\checkmark$				
1	200			$\checkmark$					

Standard size: 550mm (width) x 400mm (height)

✓ Means available arc size

## **Technical data**

Capacity:	Greater than 65 cycles/minute (59) Greater than 60 cycles/minute (12)
Strap width:	5 mm, 6 mm, or 9 mm (59) 12 mm (12)
Voltage range: *	1 - 32 kg (59) 1 - 45 kg (12)
Weight:	158 kg (59) 167 kg (12)
Electrical requirements:	110V, 220V, 230V, 240V 50/60Hz 1PH

\* Greater than 55kgs on request for model 12















# SSM-73H

The SSM-73H is a fully automatic pallet strapping machine designed to strap horizontally. Ensures loads of pallets and boxes stacked with PP or PET straps. The SSM-73H can accommodate a wide variety of products such as bricks, fruits, cans, bottles, beverages and many other types of palletized products. It is easy to integrate into new or existing production lines. With state-of-the-art, easy-to-use design, it helps maximize uptime for greater production efficiency and lower packing costs.



#### **Features**

- · PCL and HMI control
- Index strapping head
- · Strapping guide arm
- · Security grid
- · Friction welding sealing technology
- · Adjustable sealing and cooling time
- · Stable arc movement
- · Double lane abutment reinforcement system



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## **Options**

- · Floating head
- · Independent operations desk
- · Siemens PLC and HMI
- · Failure indicator
- · HMI on the opposite side
- · Low voltage 200 1200 N (20-120kgs)
- · Light tower with low strap sensor
- · 90 degree rotation belt dispenser

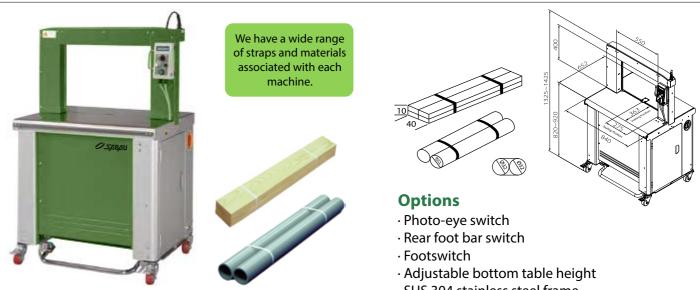
#### **Technical data**

Capacity:	up to 60 pallets / hour (3 parallel strapping) (depends on package dimensions)
Type of straps:	PP straps and PET straps
Strap width:	9 mm, 12 mm, or 15.5 mm
Voltage range:	1100 - 3000 N (standard) 200 - 1200N (optional)
Strap Core Size:	406 mm
Minimum strapping height:	(a) with conveyor: 160mm above conveyor surface (b) without conveyor: 240mm over the floor
Weight:	875 kg
Electrical requirements:	220V, 380V, 400V, 415V 50/60Hz 3PH



# SSM-72RS

High speed strapping machine for small or round packages The SSM-72RS is built on the base of the SSM-72 with specially designed parts. It is suitable for small or round packages, such as plastic tubes, steel rods, hard wood, etc. It can hold packages up to 40mm (width) x 10mm (height) or small inch round packages of 32mm x 2 pieces. The SSM-72RS provides reliable high-speed performance for small or round package applications.



#### **Main features**

#### Robust and compact strapping head

It utilizes the latest brushless DC motor direct drive technology to provide the highest level of accuracy and reliability. All engines are of German manufacture. With a compact design and fewer moving parts, it can greatly minimize maintenance costs.

#### Free access to belt guides\*

Unlocking the guides allows guick and free access to the belt guides without using any tools. The easiest design to maintain.

#### Quick change of spool at waist height\*

Innovative quick change of the spool located at the waist to avoid access to the lower part of the machine. Quick release lock eliminates downtime for changing the coil. The ergonomic, guick-change design makes spool changing easier than ever.

#### \*registered patents





- · SUS 304 stainless steel frame

#### **Packing sizes**

Pack sizes Pack size	Minimum	Maximum
5/6 mm	□40 mm (width) x 10 mm (height) O tube Ø 32 mm x 2 pieces	500 mm (width) x
9 mm	□ 50 mm (width) x 10 mm (height) O tube Ø 34 mm x 2 pieces	350 mm (height)

Capacity:	up to 65 cycles/minute
Strap width:	5 mm, 6 mm, or 9 mm
Bow Size:	550mm (width) x 400mm (height)
Voltage range:	1 - 32 kg
Weight:	158 kg
Electrical requirements:	110V, 220V, 230V, 240V 50/60Hz 1PH













# SABAU

# SSM-72P

#### High speed strapping machine with double pneumatic press

The SSM-72P (with double press) is built on the basis of the SSM-72. It has all the innovative features and easy-to-use designs of the SSM-72. This machine is ideal for strapping compressible material such as corrugated paper, paper sheets, corrugated boxes, plastic sheets, bags, etc.



#### **Main features**

#### Robust and compact belted head

It uses the latest brushless DC motor direct drive technology to deliver the highest level of accuracy and reliability. All engines are of German manufacture. With a compact design and fewer moving parts, it greatly reduces maintenance costs.

#### **Double pneumatic press**

Ideal for strapping packaged packages for better stability and product containment.

#### Free access to belt guides (patent registered)

It unlocks the guides and allows guick and free access to the guides without using any tools. Best maintenance in an easy design.

#### **Options**

- · Photo-eye switch
- · Rear foot bar switch
- · Footswitch
- · Lower adjustable table height (770-820mm)
- · Security guards
- · SUS304 stainless steel frame







#### Arc sizes

HW	650	850	1050	1250	1650
500	S			$\checkmark$	$\checkmark$
600		$\checkmark$			
800			$\checkmark$	$\checkmark$	

- S Standard size: 650mm (width) x 500mm (height)
- ✓ Means available arc measurement Arc measurement: 1250mm (width) x 500mm (height) only

available for SSM-72P-59

#### **Technical data**

Capacity:	Greater than 47 cycles/minute (59) Greater than 44 cycles/minute (12)
Strap width:	5mm1 6mm1 9mm (59) 12mm (12)
Voltage range *:	1 - 32 kg (59) 1 - 45 kg (12)
Weight:	224 kg (59) 226 kg (12)
Electrical requirements:	110 V, 220 V, 230 V, 240 V 50/60Hz 1PH

\* More than 55 kg on request for model 12





# SSM-21Y

The SSM-21Y is a semi-automatic side sealing strapping machine. It uses the same strapping head as the SSM-22 model, so reliable it has been widely recognized in the market for over 30 years. It can be used in a wide range of applications for dirty, humid or hostile work environments such as sawmills, brick industries, poultry processing industries, etc.



## **Main features**

- · Offers high reliability and performance
- Suitable for low volume applications
- · Easy operation, simple maintenance
- Mechanical tension control
- · Reliable PC Board Control
- · Energy efficient. The engine only runs as needed
- · Hard wheels with brake
- Quality tested
- · Height adjustable between 420mm and 770mm

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# We have a wide range of straps and materials associated with each machine. ealing Height 875 26

## **Options**

- · Adjustable cooling time (0-2 sec)
- Selected stainless steel parts (for SSM-21YS)

Strap width:	6 mm - 15 mm
Voltage range:	15 - 45 kg
Weight:	125 kg
Electrical requirements:	110 V, 220 V, 230 V, 240 V 50/60Hz 1PH















# SSM-61YXT

#### Side strapping machine with painted steel frame

Automatic PP strapping machine with improved side sealing, without adjustable roller table, equipped with belt feed, electronic tension control and automatic belt ejector, single-phase, DNV CE certified.



We have a wide range of straps and materials associated with each machine.

#### **Main features**



#### Reliable and robust belted head

The robust design of the mechanism and the high engineering standard guarantee an excellent durability of the machine. Uses two proximity switches to replace conventional limit switches.



Loop ejection automatically eliminates unwanted strapping if the machine accidentally starts up without a package. Eliminates downtime.



#### Power belt

Simply insert the handle into the feed rollers and then press the "reset" button. The machine will automatically feed the belt without having to access the inside of the machine.



#### Electronic voltage control Strap tension can be precisely adjusted simply by turning the dial on the control panel.

#### **More features**

#### **Short Power Sensor**

The sensor detects if the strap is in the sealing position. Otherwise, the strapping cycle cannot be activated.

#### Automatic feed belt

The machine will automatically feed from the belt if an incorrect feed occurs.

#### Strap and ejector

Ejects the end of the strap automatically. Easy to clean the end of the strap and prepare the machine for the next strap spool.

#### Strapping head without lubrication

The strapping head does not need any lubrication. Therefore it minimizes maintenance and costs. Easy maintenance.

#### Upward and Downward Interlock

With complete plug connection. Easily integrates into most production lines.

#### Adjustable weld cooldown time

Weld cool-down time is adjustable from 0 to 2 seconds. It ensures high sealing efficiency when the machine adjusts to high voltage.

## **Options**

- · Emergency stop switch
- · Footswitch
- Siemens PLC control
- · PU wheels: two free and two with brake
- · Smooth and silent movement
- High support



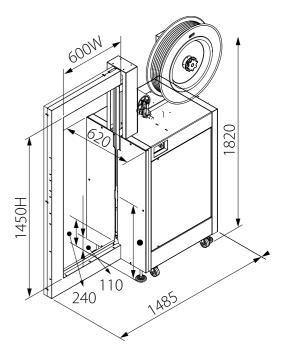
## Arc sizes

HW	400	600	800	1000	1200
650			N/A	N/A	N/A
850		S			
1050					
1250					
1450					
1650					
1850					N/A

Standard size: 600mm (width) x 650mm (height)

N/A Means NOT AVAILABLE

Capacity:	Greater than 60 cycles/minute
Strap width:	8 mm, 9 mm, 12 mm, 16 mm & 19 mm
Voltage range:	7 - 300 kg
Weight:	300 kg
Electrical requirements:	110V, 220V, 230V, 240V 50/60Hz 1PH

















# SSM-73VLM

#### Fully automatic vertical pallet strapping machine (side seal)

The SSM-73VLM is your best choice for fully automatic operation in various rowing belt applications. The upgraded SSM-73VLM maximizes productivity by consistently and accurately belting platform loading and minimizing production cost for stable, high-speed operations. Designed for simple and guick connection to the main control system, the SSM-73VLM can be easily fitted into all different end-of-line packaging sectors.



materials associated with each machine.



Siemens PLC and HMI Siemens PLC and HMI provide simple settings, operating instructions, troubleshooting guides and real-time sensor status display.



Mobile boom It feeds the belt through the pallet vacuum and guarantees the best strip quality in palletized products.

# Main features



**ARES SSM-73SH Strap Head** It uses the latest brushless DC motor technology made in Germany to provide the highest level of accuracy and reliability.

With no belts and pulleys, its compact design greatly minimizes the number of moving parts and maintenance cost.



**Index Mooring Head** The belt head moves into the package with a stroke of up to 500 mm during the belt cycle. Provides maximum belt containment efficiency to protect packages.

#### More features

#### Friction welding sealing technology

Advanced friction welding sealing technology ensures reliable joints and high sealing efficiency for PP and PET strapping. The pulling force is up to 300 N (320 kg.). Smoke and odor free. Ready to use after power on.

#### **Rotary Dispenser Set**

The dispenser assembly can be freely mounted in preferred positions. Offers more flexibility for plant installation.

#### Free access to belt guides

Quick access to belt guides without using any tools. The easiest design to maintain.

#### **Modular arch**

Modular bow design makes it easy to change the bow size.

#### Adjustable cooling time and sealing

Sealing time and cooling time are adjustable. Ensures high sealing efficiency.

#### Strapping and ejector

Eject the end of the strip automatically from the strip feed inlet. Easy to clean to prepare the machine for the next coil.

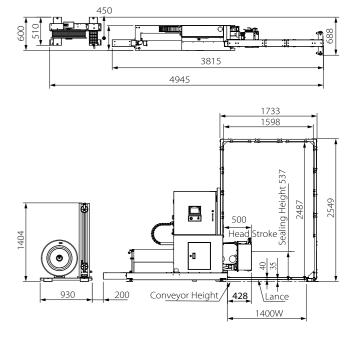
#### Easy to adapt

The compact, advanced design makes it easy to assemble a replacement tape head. This can greatly minimize downtime.

## **Options**

- · Cabeça flutuante
- · Curso da cabeça indexada até 700 mm
- · Mesa de operação independente
- · Torre de luz com sensor of cinta baixa
- · Parada de emergência de canal duplo
- · Menor faixa de tensão (200 1200N)
- · Imprensa superior (200 kg or 500 kg)
- · HMI montada no lado oposto
- · Alto suporte





## Arc sizes

HW	1000	1400	1600	2000	2400*
1250					
1650					
2050					
2450		S			
2850					N/A
3250					N/A

S standard size: 1400 mm (width) x 2450 mm (height) N/A Means NOT AVAILABLE

Capacity:	Up to 72 pallets / hour (double parallel belts)
Type of strapping:	PP and PET straps
Strap width:	12 mm, 15,5 mm or 19 mm
Voltage range:	1,100 - 3200 N (standard) 200 - 1,200 N (optional)
Core size of the strap:	406 mm
Electrical requirements:	220V, 380V, 400V, 415V 50/60Hz 3PH















SABAU STRAPPING is a company with experience in manufacturing polypropylene strapping since 1978. The our technicians have incorporated the most advanced techniques to guarantee an optimal final product. The raw materials, the production process, quality control, and above all a permanent analysis of the environment ensure that we can offer a product with maximum responsibility.

#### Polypropylene or PP strap Options and Measures

Code	Width	Cylinder	Length
SSPP1	5 mm	0,35 mm	200 mm
SSPP2	5 mm	0,40 mm	200 mm
SSPP3	5 mm	0,47 mm	150 mm
SSPP4	5 mm	0,47 mm	200 mm
SSPP5	6 mm	0,55 mm	200 mm
SSPP6	8 mm	0,45 mm	200 mm
SSPP7	9 mm	0,55 mm	200 mm
SSPP8	10 mm	0,55 mm	200 mm
SSPP9	12 mm	0,45 mm	200 mm
SSPP10	12 mm	0,55 mm	200 mm
SSPP11	12 mm	0,55 mm	406 mm
SSPP12	12 mm	0,63 mm	200 mm
SSPP13	12 mm	0,63 mm	280 mm
SSPP14	12 mm	0,63 mm	406 mm
SSPP15	12 mm	0,80 mm	200 mm
SSPP16	12 mm	0,80 mm	280 mm
SSPP17	12 mm	0,80 mm	406 mm
SSPP18	15 mm	0,90 mm	406 mm



Cylinder

0.54 mm

0,64 mm

0,54 mm

0,58 mm

0,62 mm

0,70 mm

0,54 mm

0,58 mm

0,66 mm

0,55 mm

0.66 mm

0,80 mm

0,89 mm

Length

406mm

406 mm

#### **Polyester strap**

**Options and Measures** 

Code

SSPET1

SSPET2

SSPET3

SSPET4

SSPET5

SSPET6

SSPET7

SSPET8

SSPET9

SSPET10

SSPET11

SSPET12

SSPET13

Width

9,5 mm

9,5 mm

12 mm

12 mm

12 mm

12 mm

12,5 mm

12,5 mm

12,5 mm

15 mm

15mm

15 mm

15 mm



#### **Ecological belt**

Width

5mm

**Options and Measures** 

Code SSEC1





## **Composite strap**

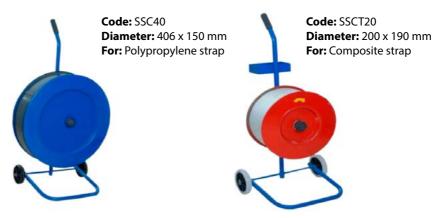
Polymer coated polyester yarn



Available on demand. Contact us for more information.

Textile Strap		Option	ns and Measures
Code	Width	Cylinder	Length
SSTEX1	13 mm	1100 m	76 mm
SSTEX2	16 mm	850 m	76 mm
SSTEX3	16 mm	600 m	76 mm
SSTEX4	19 mm	600 m	76 mm
SSTEX5	19 mm	500 m	76 mm
SSTEX6	25 mm	500 m	76 mm

#### Wandering cars



Code: SSC20 Diameter: 200 x 190 mm For: Polypropylene strap





**Buckles** Galvanized metal buckles of high strength. Equally we have many measurements and formats.



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#### Woven polyester yarn



Code: SSCP40 Diameter: 406 x 150 mm For: Polypropylene strap & Composite

Code: SSCP20 Diameter: 200 x 190 mm For: Polypropylene strap



#### **Staples**

We have an extensive catalog of staples of all sizes and measures. All of them metallic.



**Corner pieces** 

We offer a wide portfolio of plastic corners, in different sizes and shapes, to guarantee the correct palletization of your products.















# Lashing pawls

Code	Length	Width	Weight
SSEST1	5 m	50 mm	2500 kg
SSEST2	6 m	50 mm	2500 kg
SSEST3	9 m	50 mm	2500 kg
SSEST4	10 m	50 mm	2500 kg
SSEST5	11 m	50 mm	2500 kg
SSEST6	12 m	50 mm	2500 kg
SSERG7	9 m	50 mm	2500 kg
SSERG8	10 m	50 mm	2500 kg



# Lashing tensioners



Code SSH26 SSORS1340 SSORS1350 SSbarra SSRB5050 SSR50XXL SSPT32 SSPT50

# **Buckles**



Code	Length	Width	Resistance
SSLB3030	104 mm	30 mm	3000 kg
SSLB4040	126mm	40 mm	4000 kg
SSLB4050	114 mm	40 mm	5000 kg
SSLB5050	116 mm	50 mm	5000 kg
SSLF3030	103 mm	32 mm	3000 kg
SSLF4040	107 mm	40 mm	4000 kg
SSLF5050	112 mm	50 mm	5000 kg
SSLP3516	80 mm	35 mm	1600 kg
SSLP5020	94 mm	50 mm	2000 kg
SSLC5050	85 mm	50 mm	5000 kg
SSLH3030		30 mm	3000 kg
SSLH4040		40 mm	4000 kg
SSLH5050		50 mm	5000 kg

# **Lifting slings**

We have a large portfolio, with a multitude of materials, colors and sling options.

Contact us for more information.

# Moorings

Code	Length	Width	Weight
SSL32	250 m	32 mm	2000 daN
SSL32b	250 m	32 mm	2300 daN
SSL40	200 m	40 mm	3500 daN
SSL40b	200 m	40 mm	5000 daN
SSL50	200 m	50 mm	5000 daN
SSL50b	150 m	50 mm	7500 daN



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Width max. leasing 19 - 40 mm 9 - 40 mm 9 - 50 mm 19 - 70 mm 25 - 50 mm 25 - 50 mm 13 - 32 mm to 50mm

Idéal pour PP / PET / Composite PP / PET / Composite PP / PET / Composite Composite / Fabric Lashing strap Tie fabric Composite / Lashing strap Composite / Lashing strap

















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