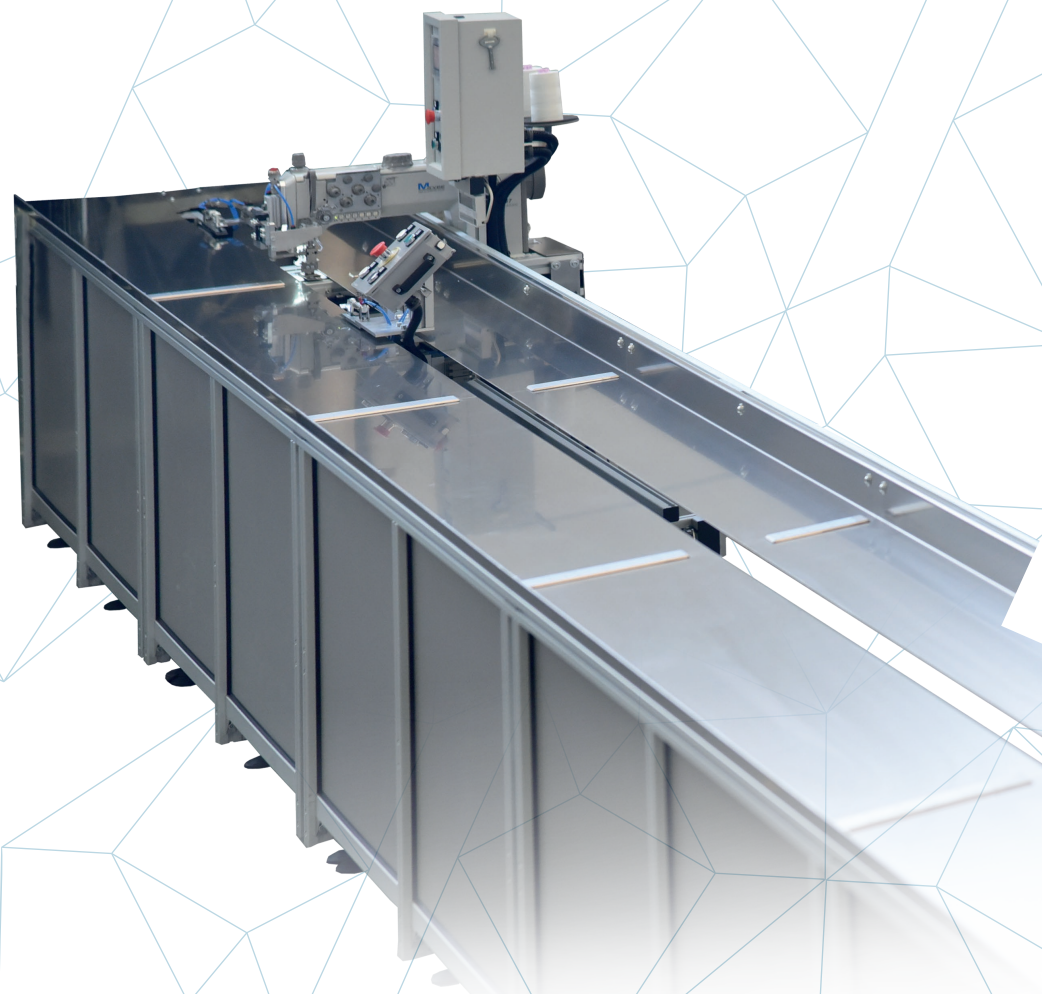


Engineering
S.M.R.E.



SM-100-CA  

Automatic linear sewing machine





SUITABLE

ON AN INFINITE RANGE OF
SPECIALTY FABRICS



SOLID MODULAR STRUCTURE




HIGH PRODUCTION
OUTPUT



EASY
TO OPERATE





Highly specialized fabrics and very specific customized applications is what characterizes today's demand in many industries. With its broad range of tools and accessories SM-100-CA was designed to create a wide variety of quality seams on an infinite range of technical fabrics.

Simple to use and highly efficient, SM-100-CA is a complete sewing solution that will streamline your production and boost your efficiency.

Industrial sewing has never been this easy.

With more than 200 sewing solutions supplied to leading manufacturers worldwide SM-100-CA is a thoroughly tested, highly reliable manufacturing solution and a benchmark in many industries.

APPLICATIONS

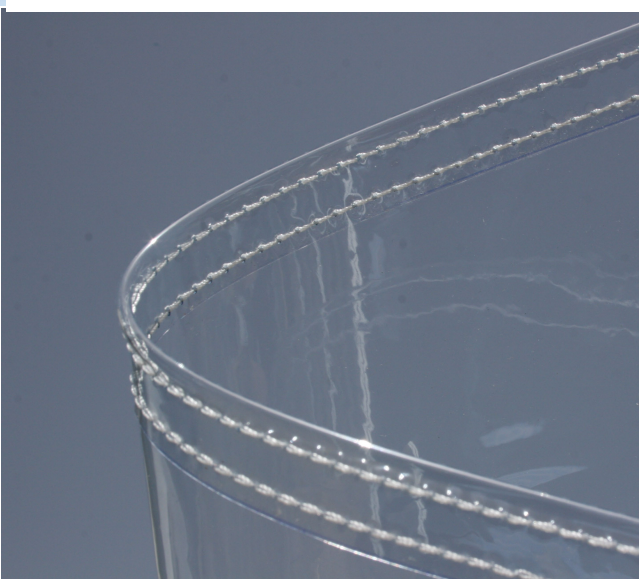
SM-100-CA allows operators in a wide range of industries to seam with uncompromising quality and create highly professional products.

Whether you produce

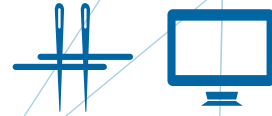
- Awnings and blinds
- Curtains
- Shade sails
- PVC covers
- Tarpaulins
- Banners
- Wind breaker barriers
- Fire retardant curtains and barriers

SM-100-CA can be equipped with just the accessories to meet your production requirements.





SM-100-CA



Automatic linear sewing machine

Automatic digital synchronization

A **perfectly synchronized speed of the vertical needle motion** and the **horizontal movement of the sewing head** is of fundamental importance to guarantee evenly distributed stitches and prevent damage to the sewing head. The software installed on SM-100-CA makes sure the stitch length remains exactly as programmed, even if the operator changes the speed of the head while the machine is working.

Easy to operate

SM-100-CA is very **user-friendly**. No specific skills are required, the machine is as easy to operate as your average household appliance. The **cleverly designed tools and accessories** make working with the machine – often a very repetitive operation with many guide switches – **easy and very efficient**.

Total speed and motion control

Motion is generated by **steel rack-and-pinion transmission and multiple heavy duty chrome plated rails for optimal speed and control**. Whether you make overlaps, hems or pockets or apply profiles such as keders or decorative braids, SM-100-CA will **deliver the quality you expect** of your SMRE machine.



Wide variety of accessories

SMRE machines feature a range of **custom made accessories** that allow the creation of products of superior quality. **Guides** are designed according to the width of the pocket and overlap you wish to make, or the keder or other components you wish to apply. A **needle cooling system** is available when abrasive fabrics are processed. A **heavy duty rewinder** can be installed to allow easy handling of very large or heavy fabric panels after the sewing cycle.

Pneumatic guide positioning

Changing the guides from hem to overlap and back – an operation that is done hundreds of times per shift – **only takes a few seconds**, the time needed to push the button that opens and closes the pneumatically controlled guide holder. After every sewing cycle the guide is automatically lifted so that the sewing head can **safely travel back** to its zero position while the operator handles the fabric – a feature that **greatly optimizes the efficiency** of the sewing process.

Solid modular structure

Its sturdy **industrial structure** makes SM-100-CA suitable for the most challenging sewing jobs. All machine components are in solid **steel and aluminum**. **Top of the bill electronic and pneumatic components and precision sewing tools and accessories** make this machine the **best available on the market**. SM-100-CA has a **standard usable length of 6,0 meters**. **Extension modules of 2,0 m** each make the machine as long as required.

TOOLS TO STREAMLINE YOUR PRODUCTION

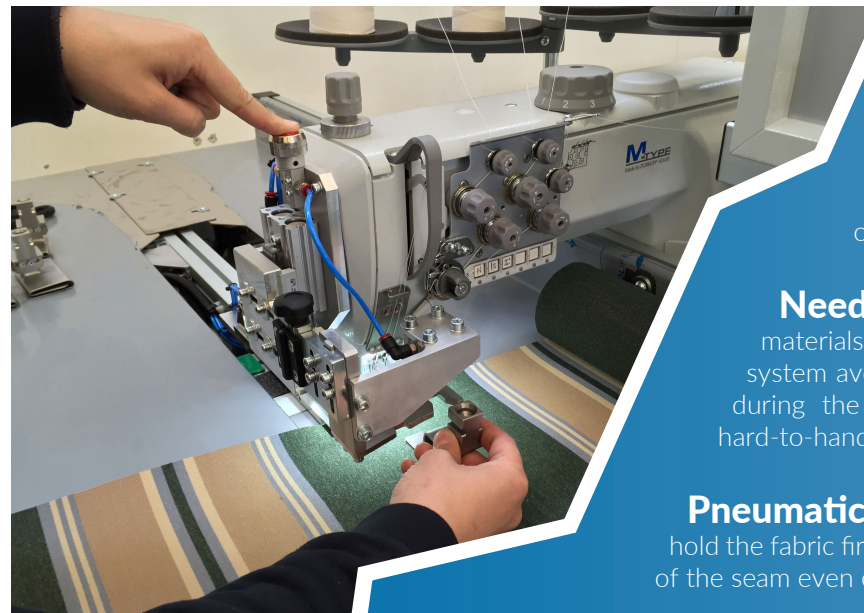
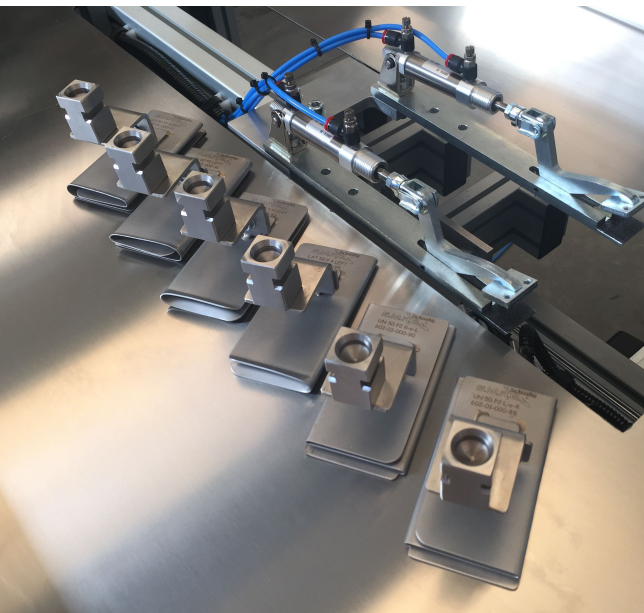
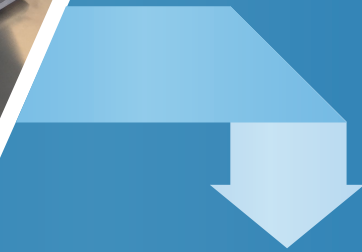
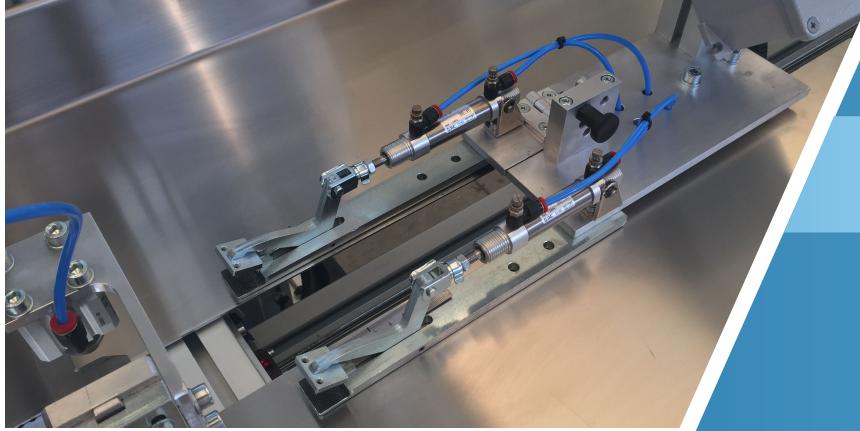
Specifically developed to create quality seams on industrial textiles SM-100-CA will streamline your production processes and deliver manufacturing efficiency and quality products. Tools and accessories installed on SM-100-CA have a solid industrial design and were created to make the sewing job – often a very repetitive operation with many guide switches – simple and easy.

Dürkopp Adler Type 867 Classic sewing head. SM-100-CA instal-
Is a lockstitch sewing head with single or double needle. Needle distance 4 - 50 mm.
Features an automatic back-tacking function (start, intermediate, and end of the seam).
Can be equipped with large (L) or extra-large (XXL) vertical hooks. Comes with an auto-
matic thread trimmer. Top sewing speed 3.500 stitches per minute (standard 2.600 s/m)
with adjustable stitch length 4 - 12 mm. Enlarged under arm clearance for a much better
view on sewing area further enhanced by LED illumination. Highly efficient sewing para-
meters and a great variety of equipment make 867 the ideal operating means for univer-
sal industrial use.

Custom guides. Guides to make overlaps, hems and pockets can be
custom designed according to your production requirements. Special
guides allow an infinite range of sewing applications such as reinforcing
strips, decorative braids, keders or other profiles.

Easy guide switch. Creating an awning is a very repetitive
job. The operator continuously switches from making a hem or
pocket to an overlap and back, hundreds of times per shift. That
is why SMRE created a pneumatic easy guide switch system.
With a simple push of the button a pneumatic finger lifts, the
guide is released and the guide for the next operation is easily
put in place. With the easy guide switch system changing
the guides from hem to overlap and back is an operation
that will take no more than a few seconds.

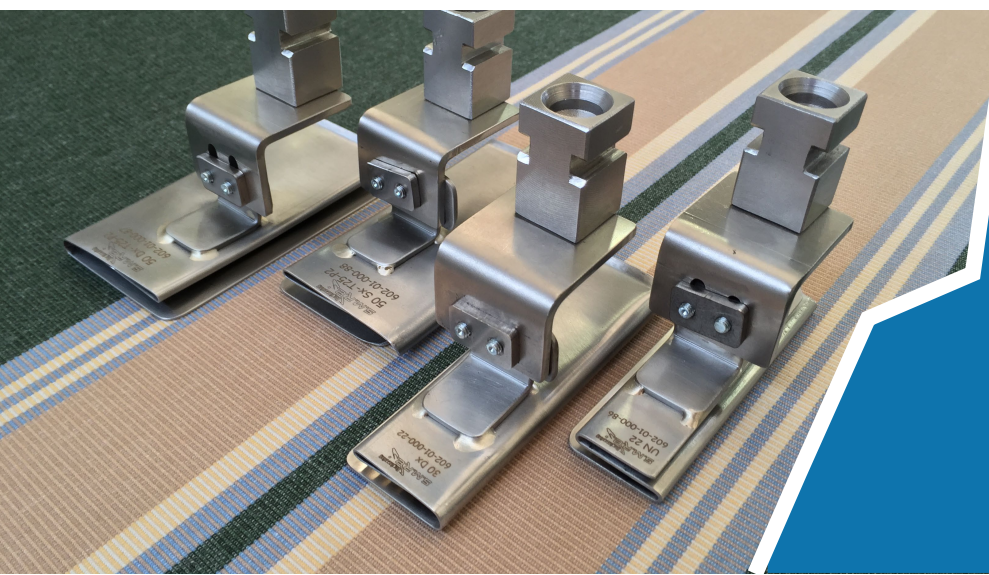




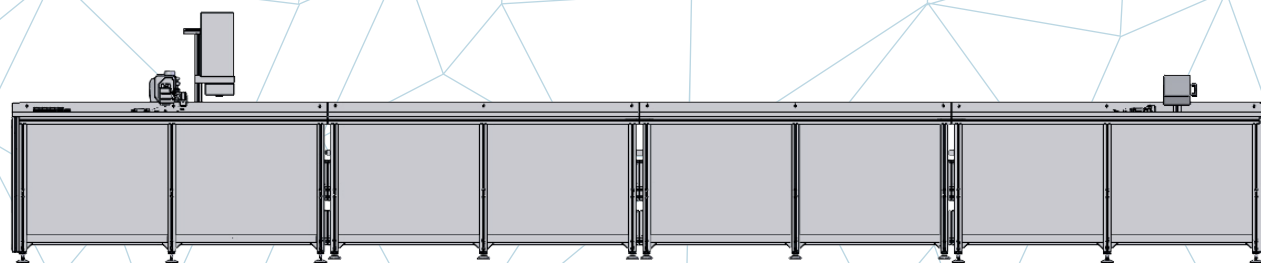
Automatic fabric rewinder. Placed ergonomically on the front of the machine, this device transforms stitched panels into rolls that can easily be transformed to the next station in the production cycle. Especially useful for the creation of large or heavy products such as awnings for malls or airport halls, or fire retardant curtains.

Needle cooling. Necessary when particularly abrasive materials such as fire retardant fabrics are processed. Cooling system avoids the needles from overheating and break the thread during the sewing cycle. Allows quality seams on heavy duty, hard-to-handle materials.

Pneumatic clamps. Digitally controlled pneumatic clamps that hold the fabric firmly in place during the sewing cycle. Guarantee precision of the seam even on great lengths.



Standard **usable sewing length: 6,0 m**
Extension modules: 2,0 m



SM-100-CA

Automatic linear sewing machine

Machine 1,65 x 6,0 w/rewinder

Power (kW)	4
Voltage (V)	230 (1 phases + N + E)
Circuit breaker (mA)	300
Air (Quality Class 1.4.2.; ISO 8573) (bar)	6
Air consumption (nl/min)	80 (w/needle cooling)
Certification	2006/42/EC; 2014/30/EU; EN ISO 12100

Footprint (standard length)

X (mm)	8049
Y (mm)	1024
H (mm)	1028
H MAX (mm)	1603
Under arm space (mm)	110
Work surface depth (mm)	630
Weight (KG)	1150

Images and technical features in this catalogue may differ from the actual product. Some of the images may show machines equipped with optional components, tools and/or accessories. SMRE SpA reserves the right to change or modify the product without any prior notice



SMRE THE GLOBAL MANUFACTURING SOLUTION

Founded in 1999 by Samuele Mazzini, SMRE S.p.a. is a **globally operating** company based in **Italy** specialized in the **design and construction** of industrial manufacturing solutions.

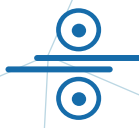
SMRE builds **cutting, welding, and sewing machines**, and **special, custom-made solutions** that **streamline** our customers' manufacturing processes, **optimize** their **efficiency**, and increase the **quality** and **output** of their production.

More than **1000 manufacturing** solutions provided to customers in **40 nations** and **6 continents** secure our positions as **leading supplier of industrial machines**.

SMRE is quoted in **AIM Italia** since April 2016



CUTTING
MACHINES



WELDING
MACHINES



SEWING
MACHINES



SPECIAL
MACHINES



SOFTWARE
SOLUTIONS

INDUSTRIAL GROUP

1

USA BRANCH

1

MANUFACTURING
PLANTS

2

40
6

CUSTOMERS IN 40 NATIONS
ON 6 CONTINENTS

3

SPECIALIZED
BUSINESS UNITS

13

INTERNATIONAL
PARTNERS

5

PRODUCT LINES

65

HIGHLY SKILLED
EMPLOYEES



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