

# SM-332-TA

High speed and super-fast acceleration

## Multiple Tools

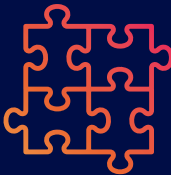
- Drag knife
- Rotary blade
- Ultrasonic tool

Industrial conveyor belt

Advanced safety features

Up to 4 vacuum areas

Solid machine structure



## Automatic Nesting

The innovative **nesting software** automatically calculates the most efficient way to place the shapes on the cutting area. The software fits the shapes like a puzzle and **reduces discards** to an absolute minimum, **optimizing the production cycle** in terms of speed and use of material.

Watch the video to discover more

# The Conveyor Cutting Machine

After more than two decades of experience in designing heavy-duty cutting machines for a wide range of industries, Cutting Edge Automation Machines introduced the SM-332-TA. Originating from the symbiosis of superior control systems, a very robust machine structure, precision mechanics, and highly efficient cutting tools, the SM-332-TA was developed for the **continuous high-speed cutting** of CAD-patterns from a **wide variety of materials**.

With specifically developed CAD/CAM software programs, the SM-332-TA enables manufacturers to cut patterns of superior quality from a virtually infinite range of fabrics and materials. Even though the SM-332-TA is top-of-the-range cutting equipment, operating the machine can be easily learned.

The SM-332-TA is a highly flexible working tool designed to maximise production efficiency and meet a wide range of cutting requirements. With **top speed at 90 m/min.**, **acceleration of 1G**, and helicoidal racks and very powerful brushless motors, the machine is super-fast and extremely accurate. The twin tool hubs can install a variety of interchangeable cutting and marking tools and ensure **unparalleled versatility**.

The Easy Production Management System (EPMS) software makes the SM-332-TA ready for Industry 4.0. Easy Data Monitoring System (EDMS) is an IoT platform for real-time performance monitoring and preventive maintenance management.

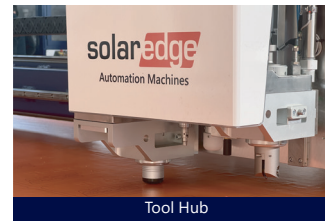
## Technical Specifications

Description	SM-332-TA
Cutting speed	up to 90 m/min.
Acceleration	up to 1G
Cutting area [width]	1,8 m - 2,7 m - 3,2 m
Cutting area [length]	2,0 m - 3,0 m
Vacuum areas	up to 4

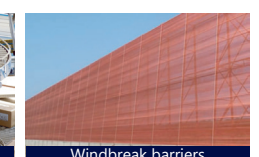
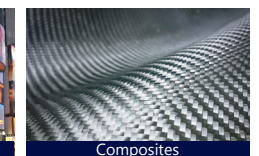


## Tools & Accessories

- / Drag knife
- / Oscillating knife
- / Non-motorized rotary blade
- / Motorized rotary blade
- / Kiss-cut
- / V-cut knife
- / Oscillating V-cut knife
- / Milling head
- / Punching tool
- / Creasing tool
- / Ultrasonic tool
- / Marker pen
- / Laser pointer to determine the dynamic zero point
- / Vacuum turbine for work top
- / Industrial conveyor belt
- / Motorized unwinding system for jumbo rolls with edge control
- / Remote assistance



## Applications



# SM-375-TA

Unparalleled cutting quality & extreme flexibility

## 4 Cutting Tools



Drag knife



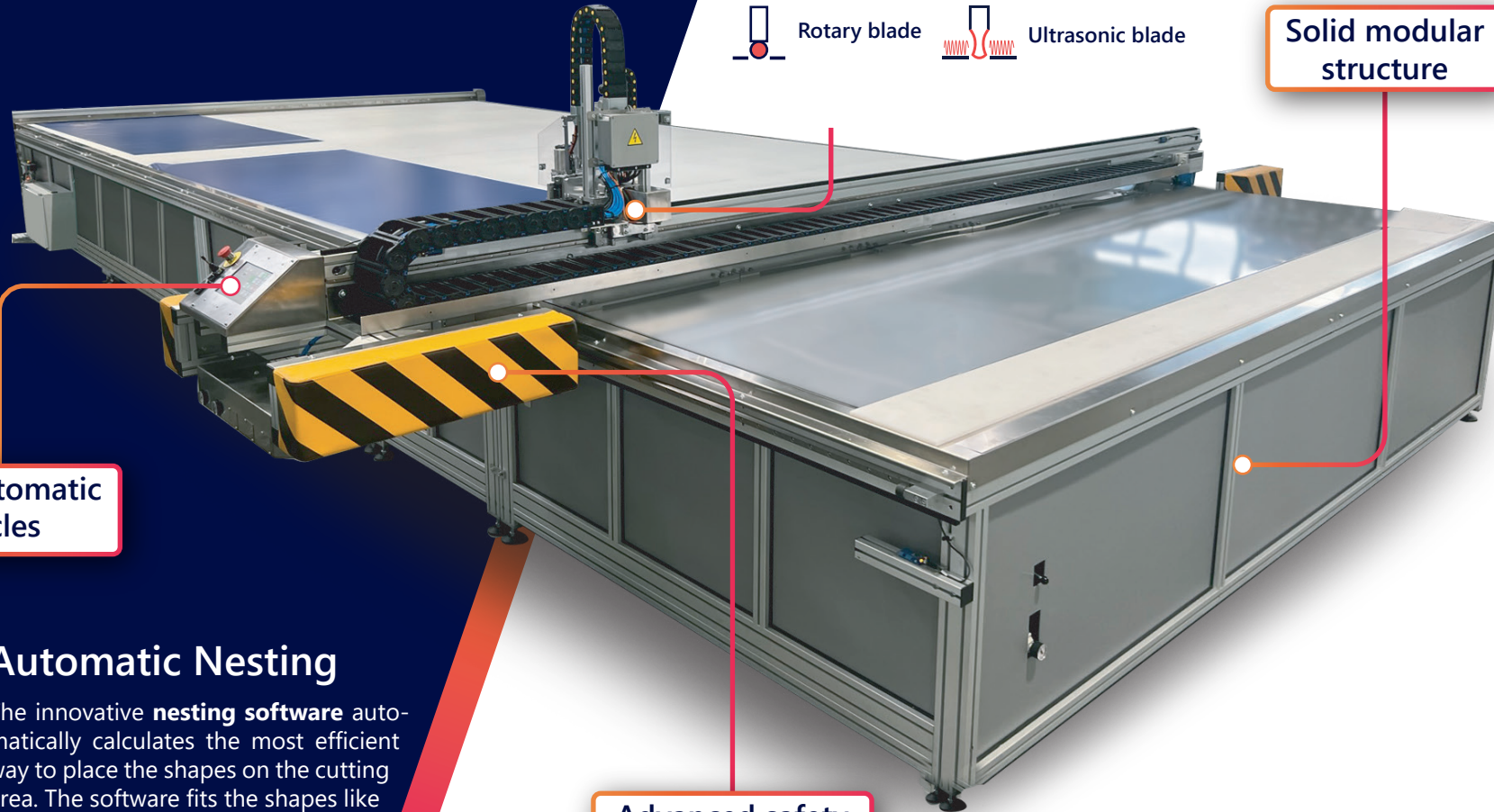
Laser cutter



Rotary blade

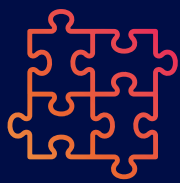


Ultrasonic blade



Solid modular structure

Full-automatic cycles



## Automatic Nesting

The innovative **nesting software** automatically calculates the most efficient way to place the shapes on the cutting area. The software fits the shapes like a puzzle and **reduces discards** to an absolute minimum, **optimizing the production cycle** in terms of speed and use of material.

Advanced safety features

Watch the video to discover more



# The Static Bed Cutting Plotter

Many industries today process a wide variety of fabrics with very different characteristics. This poses a challenge to manufacturers, since fabrics with different features require different cutting technologies.

The SM-375-TA addresses this challenge: with a large assortment of cutting tools and accessories, ranging from CO<sub>2</sub> laser to drag knife, and from ultrasonic to oscillating knife, this machine **can cut an unlimited range of CAD patterns in a wide variety of fabrics and materials** and deliver the **versatility and quality you are looking for**.

A series of specifically developed software programs make the SM-375-TA the most efficient and flexible cutting solutions for technical textiles currently available on the market, and one of the **flagship machines** in the Cutting Edge Automation Machines catalogue.

Whether you produce roller blinds, pergolas, banners and signs, shade sails, pool covers, flexible tunnels, tents and shelters, tarpaulins, inflatable products, cinema screens, containments bladders, industrial doors, fire retardant curtains, wind breaker barriers, or any other product in specialty fabrics or industrial textiles, the SM-375-TA ensures **quality cuts, extreme precision and superior efficiency**.

**1** Very customizable      **2** Highly versatile      **3** Great efficiency

## Technical Specifications

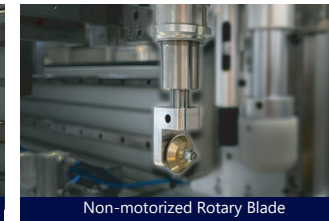
Description	SM-375-TA
Cutting speed	up to 35 m/min.
Technologies simultaneously installable	up to 4
Cutting area [width]	1,6 m - up to 6,1 m
Cutting area [length]	1,0 m - up to 20,0 m

## Tools & Accessories

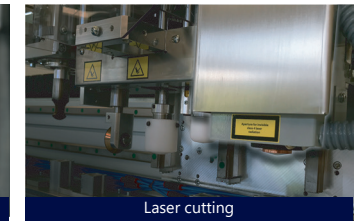
- / Drag knife
- / Non-motorized rotary blade
- / Cutting laser up to 100W
- / Oscillating knife
- / 10W Laser marker
- / Punching tool
- / Creasing tool
- / Ultrasonic blade
- / Marker pen
- / Laser pointer to determinate the dynamic zero point
- / Vacuum turbine for work top
- / Sectioning of the vacuum surface
- / Inversion of the air flow from vacuum to "flying carpet"
- / Illumination system for detection of defects in the fabric
- / Motorized unwinding system for jumbo rolls with edge control
- / Roll cradle
- / Automatic fabric rewinder
- / Integrated fabric roll warehouse
- / Label printing unit
- / Router for long distance diagnosis, technical assistance and installation of upgrades



Ultrasonic Cutting



Non-motorized Rotary Blade



Laser cutting

## Applications



Tarpaulins



Gazebos



Umbrellas



Pool covers



Roller blinds



Inflatables



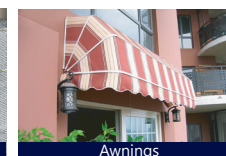
Speed doors



Carpets



Fire retardant curtains



Awnings



Advertisement banners



Shade sails