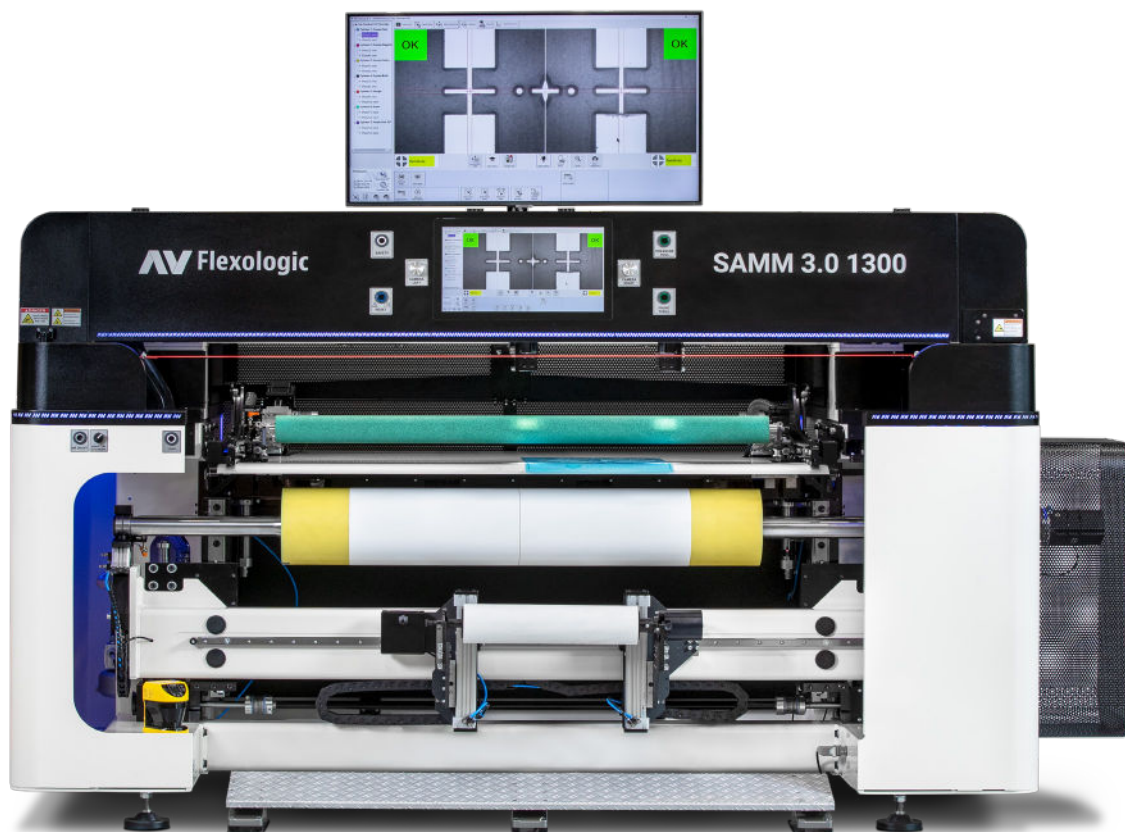# SAMM 3.0

THIRD GENERATION AUTOMATIC FLEXO PLATE MOUNTING MACHINE

Completely new design

Mounting speed under 30 seconds

Plate positioning of 5 µm accuracy

All software features to maximize productivity

Operator-friendly safety features

Widths

Width [mm]	≤ 1300, 1700
Width [inch]	52", 67"
Max repeat [mm/inch]	1350 / 53"

Product Video

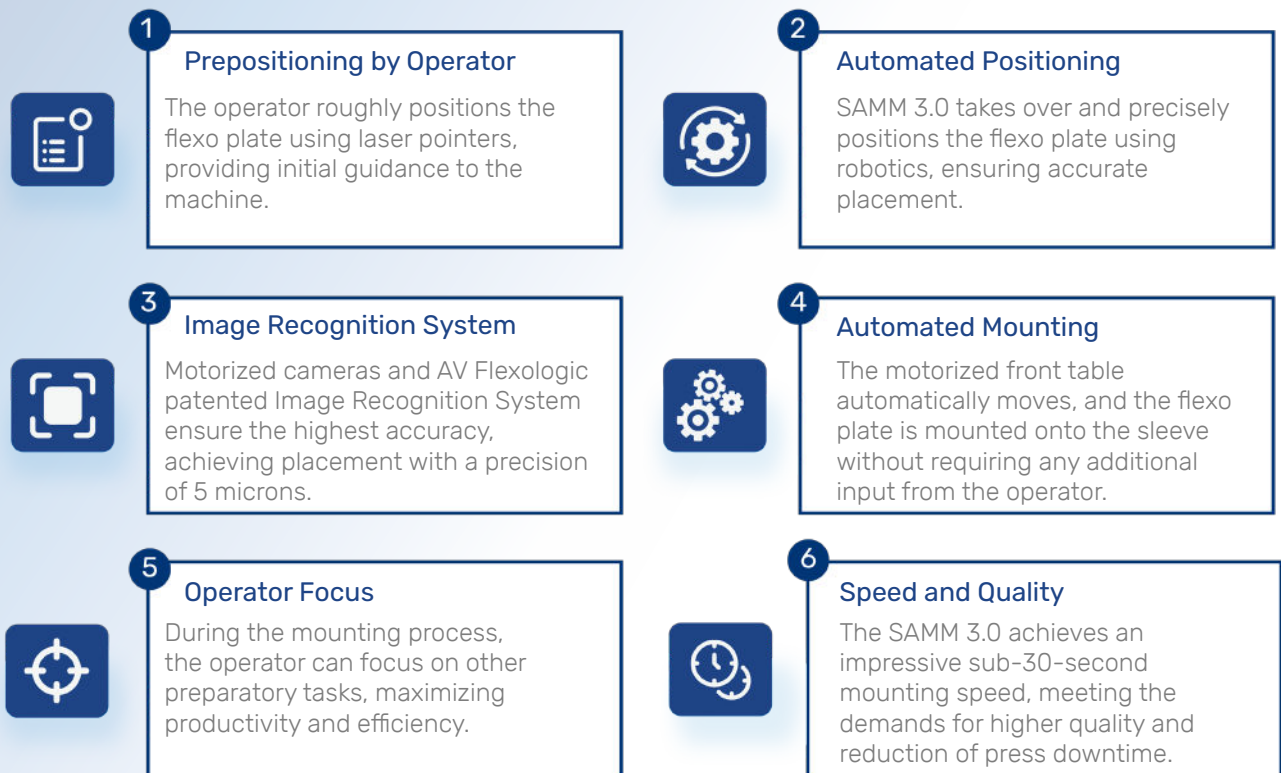**AV Flexologic**
We innovate!

SAMM 3.0

The **SAMM 3.0** brings ground-breaking advancements to the flexographic industry. The third generation automatic mounter comes with a **completely new mechanical, visual, and user interaction design**. The accuracy of the SAMM is operator independent. It always mounts plates in the most **accurate** way, down to **5 microns**, while enhancing **operator safety** and enabling a **rapid mounting speed** under **30 seconds** per plate.

As the world's **most reliable mounter series**, the SAMM guarantees unmatched accuracy, repeatability, and speed. We have **installed 1,500+ SAMM** automatic plate mounters all over the world.

SAMM 3.0 Workflow

1 Prepositioning by Operator

The operator roughly positions the flexo plate using laser pointers, providing initial guidance to the machine.

2 Automated Positioning

SAMM 3.0 takes over and precisely positions the flexo plate using robotics, ensuring accurate placement.

3 Image Recognition System

Motorized cameras and AV Flexologic patented Image Recognition System ensure the highest accuracy, achieving placement with a precision of 5 microns.

4 Automated Mounting

The motorized front table automatically moves, and the flexo plate is mounted onto the sleeve without requiring any additional input from the operator.

5 Operator Focus

During the mounting process, the operator can focus on other preparatory tasks, maximizing productivity and efficiency.

6 Speed and Quality

The SAMM 3.0 achieves an impressive sub-30-second mounting speed, meeting the demands for higher quality and reduction of press downtime.
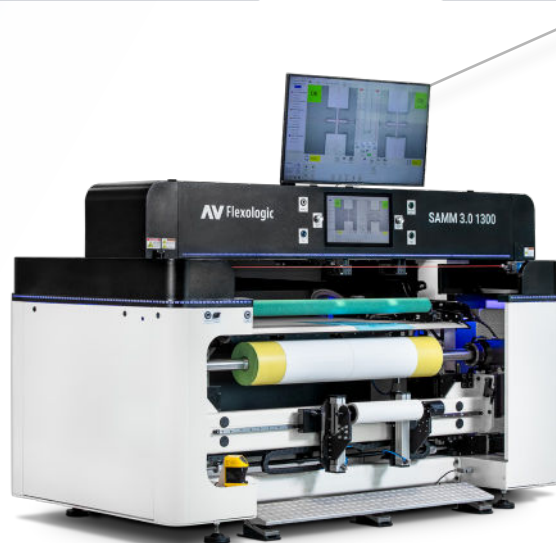
New design

The SAMM 3.0 comes with a slick design with high safety standards and an array of features that further simplify its usage:

- An automatic shaft locking system

- Status LED lights (operating, idle, error)

- Re-designed front and back table to mount even curled plates with the maximum accuracy

- Safety mechanisms ensure optimal user safety during machine operation (pull cord and light beam)
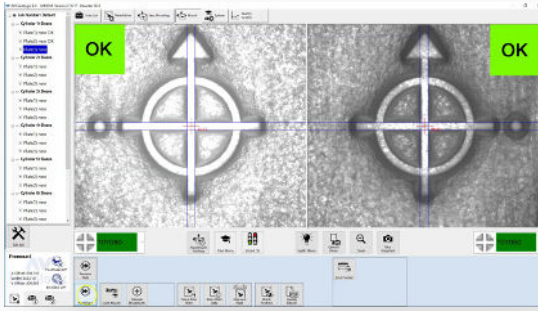
Updated Software

The new SAMM 3.0 software comes with unique features:

- Easymount: Intuitive job creation system

- PDF Import: Job creation using the graphic of the plate

- PDF Overlay (Overlay 2.0)

- Excel Import: Importing job made offline

- Job queue system
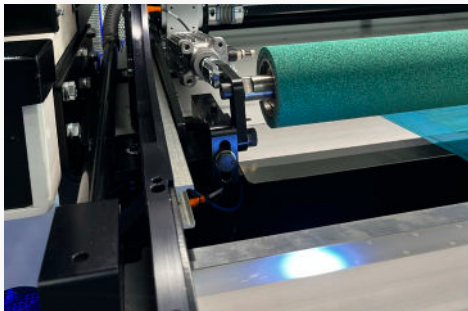
- The operating system is 64-bit Windows 10

![AV Flexologic logo — We innovate!]

Patented Image Recognition

The Image Recognition System measures the exact positions of the mounting marks, and thus, determines how **accurately** the printing plate is fixed on the sleeve. The tolerance of the report settings determines whether a plate is judged as mounted 'OK' or 'NOT OK'.
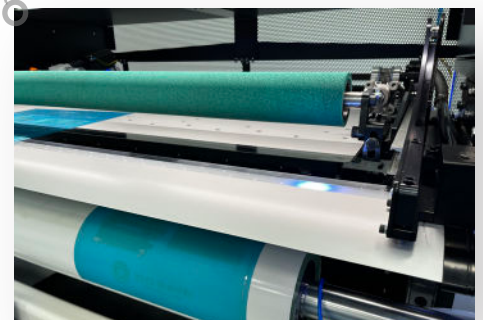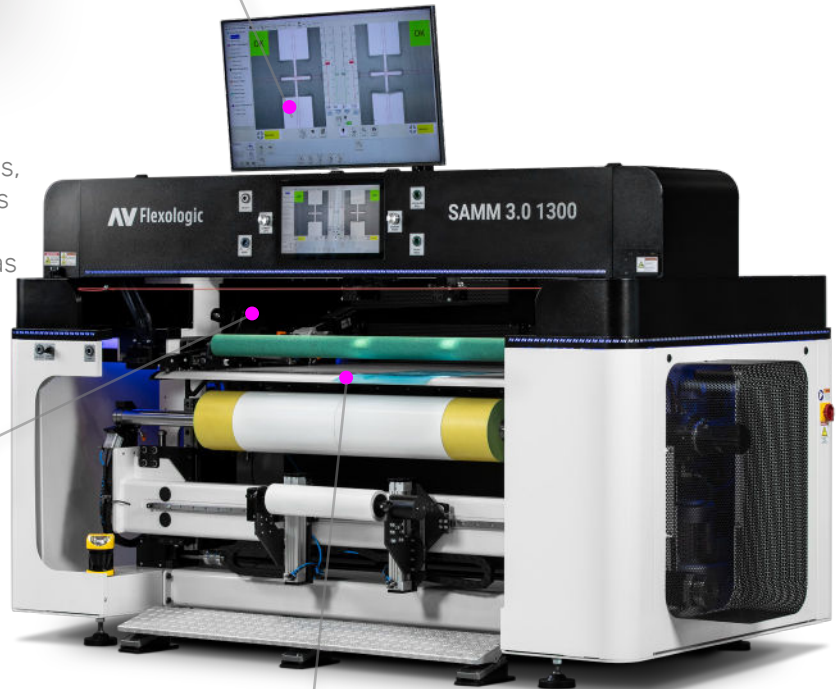
If the plate is not mounted within the set tolerance, the machine **will not proceed** to the next plate. Thus, immediately identifying mounting mistakes, and **eliminating the possibility of sending incorrectly mounted plates** to the press.

Patented Backlight System

The third generation of SAMM introduces **backlight technology** to enhance image recognition of mounting marks. This advanced system is designed to provide **optimal illumination** for the ultra-high-definition monochrome cameras on the SAMM 3.0.
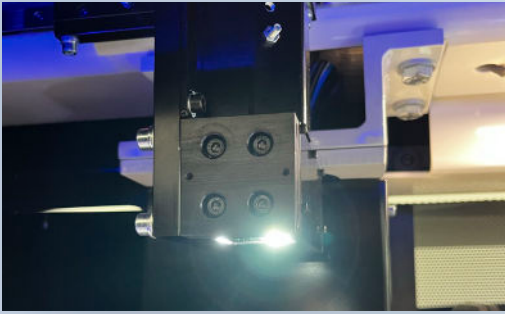
By **easily detecting mounting marks** across a wide range of plates, the system facilitates **higher accuracy in plate positioning**, contributing to the SAMM 3.0's unparalleled precision and efficiency.

Automatic vacuum table

An added advantage of the SAMM 3.0 is the improved motorized front table, which enables the machine to **fully automatically mount** individual printing plates without operator interaction, keeping the performance of the mounting job with an **accuracy of 5 microns**.
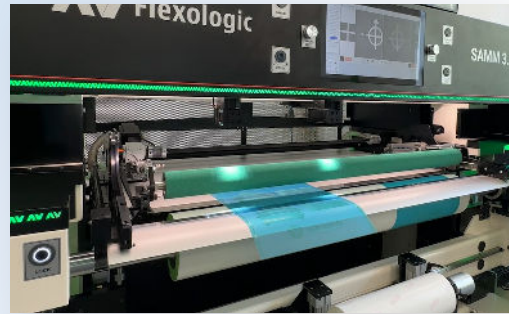
Unique Features

New Ultra-HD Camera Technology

The New Ultra-HD monochrome cameras' move automatically to the mounting position.

Thanks to the lenses and camera holders and the latest AV Flexologic image recognition software algorithms, it is possible to get a measurement resolution of 0,5 microns.
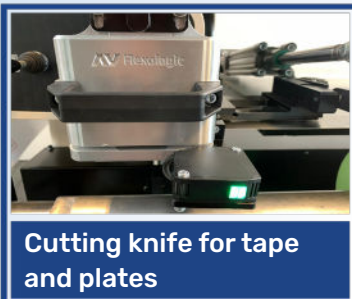

Pressure Roller

The pressure roller guarantees smooth mounting, eliminating air bubbles and saving time. This feature promotes ergonomic working practices. Additionally, the pressure roller facilitates efficient tape application.

The operator attaches pre-cut tape to the sleeve or uses the tape holder. By activating the pressure roller and rotating the sleeve, the tape is evenly applied without bubbles. An optional cutting knife trims tape overlap without damaging the sleeve.
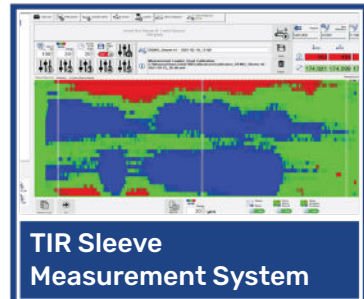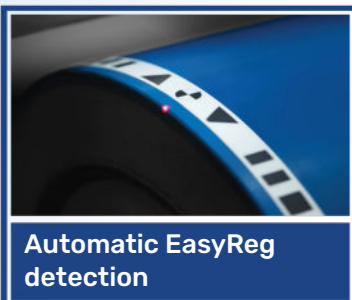
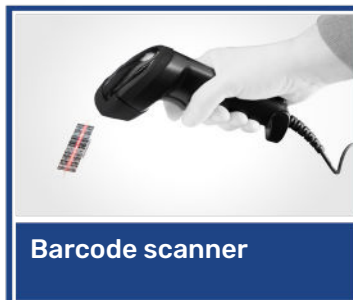# Options

Cutting knife for tape and plates

Tape holder 2.0

TIR Sleeve Measurement System

Automatic EasyReg detection

Barcode scanner

Mouting Adapters from Tech Sleeves

Experience the Precision, Speed and High Quality mounting results of the SAMM 3.0 by booking a demo with us!

CONTACT US NOW!

✉ **sales@flexologic.nl**

Flexologic
We innovate!