

FLEXO PLATE MOUNTING MACHINES

■ Wide Web



Next generation mounting machines for mounting flexographic printing plates onto sleeves or cylinders

FAMM 2.0

FULLY AUTOMATIC MOUNTING MACHINE

- New generation FAMM
- The world's most accurate, fast and consistent mounting machine
- Highest accuracy of measurements and positioning (0,005 mm / 0,0002")
- Minimum job set-up time
- Quality reports to improve your prepress workflow
- Maximum operator efficiency
- No mounting related press downtime



■ DESCRIPTION

The operation of the FAMM is very simple. After sending coordinates to the FAMM operating system, all plates are mounted onto the sleeve automatically without operator interference.

Through automatic image recognition, interactive software and cameras the FAMM can read the positions of the flexo mounting marks. Subsequently a robotic manipulator brings the plate to the approximate position. The moveable table automatically positions the flexo plates with a precision of up to 5 microns.

The FAMM mounts the plate extremely accurate onto the sleeve within 45-60 seconds. The operator can attend to other tasks while the FAMM takes care of the mounting. This increases the efficiency of the prepress department significantly.

“Today’s printers have to deal with shorter job runs, higher set-up costs and increased quality demands. Due to flexoplate mounting mistakes, printers are continuously dealing with press downtime. The FAMM is the one-stop solution build for today’s and tomorrow’s printing needs”

■ FEATURES



Automatic positioning and mounting for the highest quality in under 60 seconds

Multiple safety features to ensure risk free operation

Light beam gate (instead of mechanical gate), ensuring quick sleeve changes

3rd camera at pickup position for quick loading of the plate into the machine

Movable back table for quick positioning and light weight front table for quick mounting

The FAMM runs on Windows, this provides compatibility with all current-day file and server systems

HD Ethernet Cameras that ensure higher measurement accuracy

Digital proof report of mounting results

Automatic zero setting with Easyreg (optional)



SAMM

SEMI-AUTOMATIC MOUNTING MACHINE

- The Semi-Automatic Mounting Machine for the wide web industry
- Highest accuracy of measurements and positioning (0,005 mm / 0,0002")
- Eliminates mounting related press downtime
- Operator dependency is minimized
- Extremely fast



■ DESCRIPTION

The patented SAMM is one of the most accurate mounting machines in the world. The machine is equipped with an intelligent positioning system that automatically monitors and controls the positioning of flexo plates. Due to the iteration between the cameras and the self-moving mounting table the plates will be positioned extremely accurate.

After the positioning, the vertically moving cylinder elevates automatically. Subsequently, the operator lowers the pressure roller and rotates the cylinder using the foot pedal. The automatic positioning of the plates together with the mounting by the operator result in consistent high quality and constant repeatability.

Minimum operator interference and training is required. This machine eliminates printing press downtime as well as reducing the overall prepress costs

“When we installed the SAMM, it did the job 2,5 times faster than we did on our traditional mounting machine”

■ FEATURES

Automatic positioning of the plate using image recognition
Patented DOAL Lights for optimal recognition of the mounting mark
Pressure roller ensures mounting with equal pressure and without air inclusion
Vacuum table that fixates the plate while the table positions it
HD Ethernet Cameras that ensure higher measurement accuracy
Automatic quality check with the touch of a button

Patented digital calibration of the camera beam

Automatic zero setting with Easyreg (Optional)



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MOM DD+ Pro

MOUNT-O-MATIC DIRECT DRIVE + PRO

- The motorized mounting machine for the wide web industry
- Fast and air bubble free mounting ensured by the pressure roller
- Fixed table height and fixed distance from lens to plate for easier positioning of plates
- Snapshots of the mounting position can be taken and displayed faded on the monitor to mount image on image
- Store positions in the computer to recall the plate positions at any time



■ DESCRIPTION

A computer controls the motorized positioning of the cameras, the gearless rotation of the fixed mounting mandrel, the vertical movement of the mandrel and the movement of the optional proofing cylinder to the exact positions.

The operator enters the job information either manually, or the information is sent to the machine using one of our workflow optimizing solutions. After selecting the job, the operator places the printing plate onto the table. Laser pointers indicate the position of the mounting marks. After positioning the photo-polymer plate, the operator elevates the vertically moving cylinder, lowers the pressure roller and rotates the cylinder using the foot pedal.

After mounting the first sleeve or cylinder, the operator clicks on the keypad in front of the machine to go to the next sleeve or cylinder. Optionally using the overlay function for perfect color-to-color registration, the operator mounts the next plates onto the sleeve or cylinder.

“This machine is the ultimate workhorse of our prepress department”

■ FEATURES



Pressure roller ensures mounting with equal pressure and without air inclusion

Rigid frame for stability and consistent results

Flat camera rail (grinded and heat tempered) with double linear guiding for best mounting results

Automatic moving cameras (patented) for exact positioning enabling a repeat accuracy of 0.01 mm

LED lights next to the cameras for the best light and contrast under each condition

Direct driven (DD) electronic shaft for gearless, very accurate register

High magnification for clear view on mounting mark and accurate mounting

HD Ethernet Cameras with fixed focus length that enable high precision and repeatability



SLEEVMOUNTER / PLATEMOUNTER

- Sleevemounter for sleeves
- Platemounter for cylinders
- Basic Manual Mounting Solution




■ DESCRIPTION

Perpendicular above the shaft, two magnification HD digital color cameras with optical lenses are mounted on precision guides. The camera beam is precisely grinded to ensure the best calibration for high quality results. The cameras can be positioned sideways by hand. Motorized positioning of the cameras is optional.

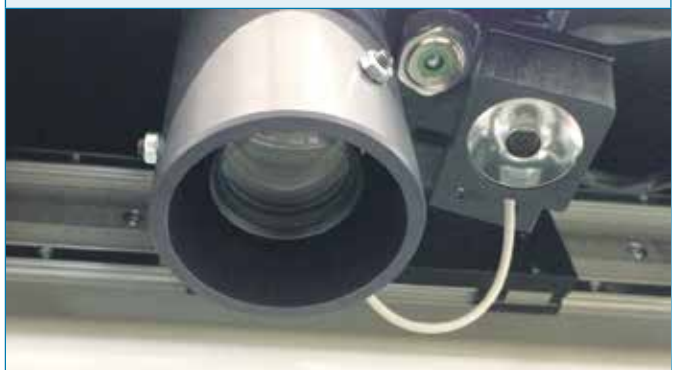
The images of the camera and the positioning coordinates are displayed on the HD split screen monitor. Positioning coordinates are displayed on the monitor.

Snapshots of the mounting position can be taken and displayed faded on the monitor to mount image on image. Sleeves can be exchanged with the help of compressed air. The bracket on the right-hand side can be opened by hand. Bearings on both sides ensure accurate mounting.

■ FEATURES

Customer specific air mandrel
Encoders on cameras for digital position information
Quick lock system for sleeve/cylinder
High magnification for a clear view on mounting mark and mounting 
Sectoring system for staggered mounting (optional)
Motorized Mandrel (optional)

Two manual HD cameras with digital zoom for best images



Two additional cameras (optional)

■ **DEMOUNTER**



The Demounter is a machine designed to efficiently and without damage removing plates and tape from sleeves, requiring minimum force and preventing damage from removing such materials.

■ **TAPE APPLICATOR**



The Tape Applicator is designed to apply perfectly aligned tape without air inclusions.

■ **TIR**



Analyzes the quality of the sleeve or cylinder by measuring the roundness and by detecting the imperfections.

SPECIFICATIONS

	Sleevemounter/Platemounter	MOM DD+Pro 1300, 1700 and 2200	SAMM 1300, 1700 and 2200	FAMM 1500, 1700 and 2000
Max Width	1300 mm	1300, 1700 or 2200 mm	1300, 1700 or 2200 mm	1500, 1700 or 2000 mm
Max Repeat	1250 mm	1350 mm	1350 mm	1250 mm
Min Repeat	230 mm	230 mm	230 mm	230 mm
Sleeve model	yes	yes	yes	yes
Cylinder model	yes	yes	yes	yes, customized
Cylinder & Sleeve model	no	yes	yes	yes, customized



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■ **AV FLEXOLOGIC - WE INNOVATE!**

AV Flexologic BV's mission is to deliver highly innovative solutions in the Flexographic industry in between the graphics and press departments. We strive to save cost, and increase efficiency and quality for our customers.

We achieve this by digitalizing traditional workflows and continuously improving on existing equipment with advanced technology and inventing new equipment.

■ **OTHER EQUIPMENT OF OF AV FLEXOLOGIC**

■ **PLATE MAKING EQUIPMENT**



■ **CORRUGATED POSTPRINT MOUNTING MACHINES**



■ **CORRUGATED PREPRINT MOUNTING MACHINES**



■ **NARROW WEB MOUNTING MACHINES**



■ **VISCOSITY CONTROL SYSTEMS**



■ **TECH SLEEVES SLEEVES AND BRIDGES**

