

The G-COAT 405F is a DUPLEX coating machine capable of applying direct emulsion as well as capillary film



G-COAT 405F

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G-COAT 405F

Automatic coating machine DUPLEX



Control terminal



Kerning Knife



Coating carriage



Coating trough

Particular features

- The G-405F coating machine offers the possibility of wet-on-wet emulsion coating, or to mount capillary film from a roll or individual sheets.
- Safe reproducibility of the coating results guaranteed for direct coating process wet-on-wet (tolerance +/- 1µ).
- Compact construction method and excellent accessibility thank to front loader model.
- On the front side of the carriage plate, the frame profile height and the wiping process can be easily adjusted to the respective screen frame size.
- The separate control of both coating troughs allows to coat the mesh from the squeegee side, from the printing side or from both sides.
- The contact pressure of the coating troughs on the mesh can be adjusted separately for both sides.
- A mechanical screen frame clamping device on top and at the bottom allows to fasten the screen frame.
- The height of the upper tie-bar containing the cutting knife can be adjusted by means of a gear motor which is actuated via a foot-operated switch.

Program wet-on-wet

- Coating wet-on-wet. 10 free programs
- The coating speed, the number of coating moves on the squeegee side and on the print side as well as the flow time can be programmed on the front panel.

Program capillary film application

- The print side of the mesh is pointing towards the front side of the machine. This guarantees an optimal handling when the capillary film is transferred from the roll or from the single sheet.
- The capillary film roll is mounted on a supporting tube with cover on top of the machine. The method of winding is of no importance, i.e. the supporting foil can be either on the outside or on the inside.

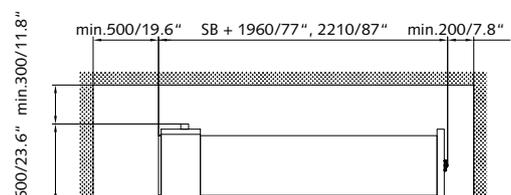
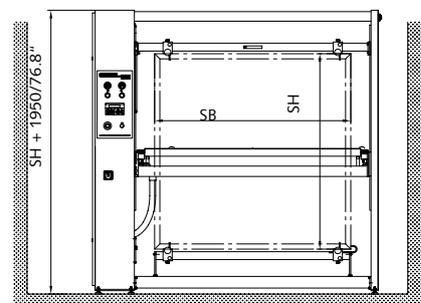
- The two machine versions can accommodate the following roll widths:
SB = 1250 mm / 49"
maximum roll width 1060 mm / 41.7"
SB = 1500 mm / 59"
maximum roll width 1320 mm / 52"
It goes without saying that smaller roll widths can also be used.
- The front side of the capillary film is pressed against the fabric, and from the rear it is fixed with emulsion. The contact pressure is applied from both sides by means of the standard coating troughs.
- On top the film is automatically cut off and fixed with a pneumatic cutting knife. After the cutting process, the knife is lifted off by the pneumatic cylinders.
- The mounting of the capillary film is controlled via a foot-operated pedal; every actuation of this pedal causes the next program step to be initiated. The speed of the capillary film application and the flow time of the emulsion can be programmed on the front panel.



Screen frame size	SB Screen frame width	mm	1250, 1500 / 49", 59"
	SH Screen frame height	mm	1250 / 49"
	Frame profile height	mm	30 - 80 / 1.2" - 3"
	Frame profile thickness	mm	10 - 60 / 0.4" - 2.4"
Overall size	Total width	mm	1960, 2210 / 77", 87"
	Total height	mm	1950 / 76.8"
	Total depth	mm	600 / 23.6"
Energy supply	Nominal voltage	V	1 x 230 N + PE 3 x 220 + PE
	Fuse protection	A	10
	Capacity	kW	1
	Frequency	Hz	50/60
Compressed air	Connection value	bar	7
	Air consumption	lit/min	15
Permanent sound-pressure level		dB (A)	< 70

Technical data subject to change without notice

Mai 05



All measurements in mm / inch



The machine answers the requirements of the EU guidelines for machinery