

SETeMa Portafix Universal

The Portafix Universal is a modular steam/air fixation unit with integrated steam generator for the fixation of textile dyes.

With temperatures between 100 and 180°C and dwell times from 2 to 30 minutes, the Portafix Universal is suitable for all textile dyes. The Portafix Universal allows ageing with saturated steam conditions, with temperatures in the range of 100 - 105°C, is also suitable for high temperature fixation of disperse dyes at 165 - 180°C and can furthermore be used for the hot air fixation of pigment dyes.

The Portafix Universal can also be used for drying in combination with the Porta-Wash and Porta-Pad.



SETeMa E-SteAM

The E-SteAM, with a content of 36 m, is the Portafix Universal's bigger brother with more than 3 times its capacity. It is also a modular steam/air fixation unit with integrated steam generator for the fixation of textile dyes.

With temperatures between 100 and 180°C and dwell times from 2 to 30 minutes, the E-SteAM is suitable for all textile dyes. The E-SteAM allows ageing with saturated steam conditions, with temperatures in the range of 100 - 105°C, is also suitable for high temperature fixation of disperse dyes at 165 - 180°C and can furthermore be used for hot air fixation of pigment dyes.

With the modular extension units the E-SteAM can be enlarged into a production line of 108 m content, by combining up to 3 units.

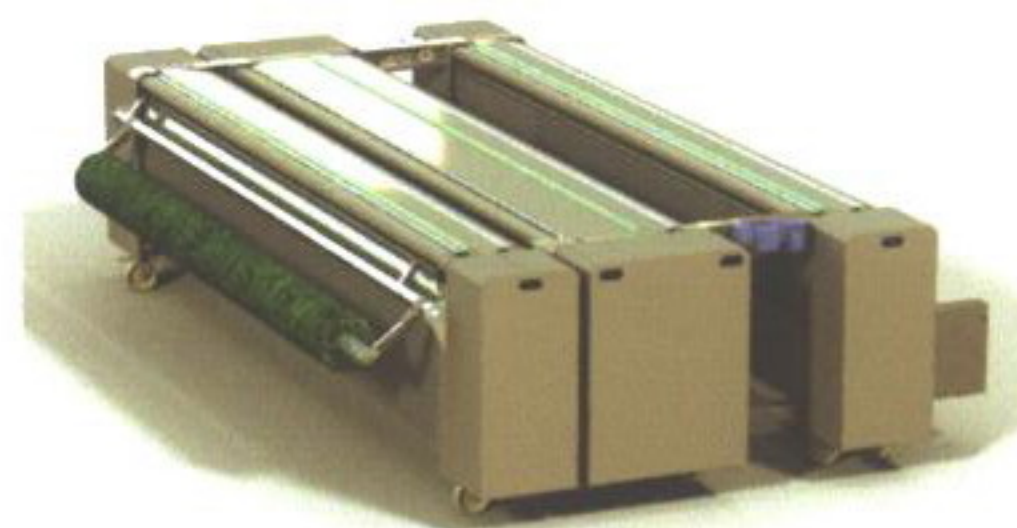


SETeMa Porta-Wash

The Porta-Wash series is a modular roll-to-roll washing system consisting of four selectable washing modules to be combined into a washing line for various cloth- and fibre types.

The Porta-Wash line consists of a base module PW-B, a large module with twice the cloth content PW-L, a large module with a separation wall PW-LD and a J-Box module PW-J with a maximum content of 40 meter. With a cloth content of 1.5 to 2.5 m per unit and washing temperatures up to 80°C, the Porta-Wash is suited for high speeds and demanding washing processes.

The Porta-Wash can be combined with the Portafix Universal or the Drum-Dryer into a complete fixation-washing-drying line.

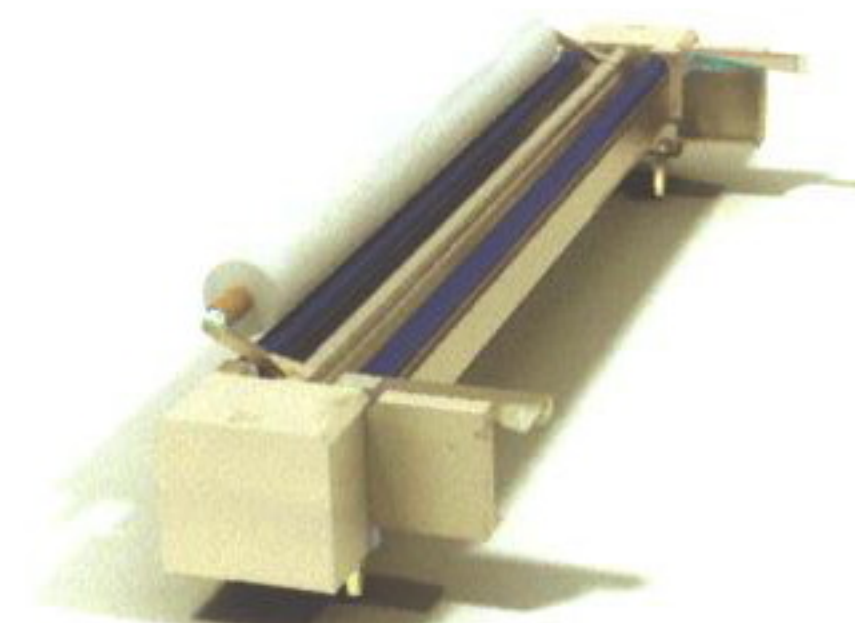


SETeMa Porta-Pad

The Porta-Pad is a modular roll-to-roll padding unit especially developed for applying pre- and after treatment chemicals e.g. an ink-jet pre-treatment, fabric protector or a flame retardant.

Textile is dipped in the Porta-Pad containing the impregnating liquid. By means of a vacuum slit the excess padding liquid is removed leaving an even and constant wet-pickup on the fabric.

The Porta-Pad can be combined with the Portafix Universal or the Drum-Dryer into a complete fixation-padding-drying line.



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Drum-Dryer/Drum-Fix

The Drum-Dryer is a modular roll-to-roll drying unit developed for the combination with the Porta-Wash washing units and the Porta-Pad coating unit.

As a Drum-Fix it can be used for dry-heat fixation processes like disperse dyes on Polyester.

The Drum-Dryer/Drum-Fix is equipped with electrically heated, coated aluminium drums, guaranteeing an even temperature in the full width of the drum and a quick heat transfer to the textile. Temperatures are adjustable between 50 and 220°C. The fabric in the Drum-Dryer touches the drums one-sided only, so undesirable ironing effects are avoided.

An integrated exhaust removes vapour and hazardous solvents.



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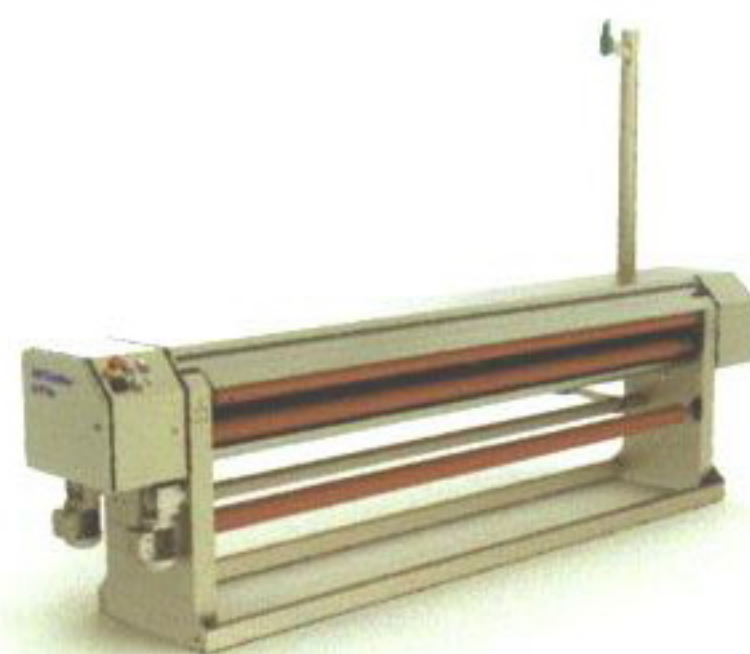
I-Fix

The I-Fix is a complete autonomous heat fixation unit that can be coupled in-line to each digital printer without the need of a mechanical or electrical interface.

Textile printing and heat fixation are automatically synchronised to a one step process. The I-Fix unit is developed for the fixation of disperse direct and disperse transfer/sublimation dyes.

The I-Fix is equipped with an electrically heated, coated aluminium drum, guaranteeing an even temperature in the full width of the drum and a quick heat transfer to the textile. Temperatures are adjustable between 50 and 220°C.

An integrated exhaust removes vapour and hazardous solvents.



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Fabric handling

For fabric handling we offer several modular infeed and discharge units. These units can be selected from roll-to-roll, lorry-to-lorry, ascending batch winder or a combination of these.

The optional ascending batch winder for higher roll capacities is optionally offered with an automatic transverse substrate correction and cloth-side detection for perfect straight rolls.



SETeMa (Scientifically Engineered Textile Machines) based in The Netherlands was founded in 2002. Its main objective is design and development of textile machinery based on the scientific knowledge of the underlying processes. SETeMa is thus able to design machines that perform better.

Modularity

Due to the modular design of our machines we are able to combine units into various configurations and supply a wide variety of solutions for in-line Coating, Fixation, Washing and Finishing. Production lines can even be upgraded afterwards. This enables custom solutions with minimal investments and adaptation to future needs.

Energy

Continuous innovation has led to a range of modular finishing equipment with the highest possible performance and a low energy and water consumption as typical features.

Our complete productportfolio is available in 1.85, 2.5 and 3.4 meter cloth widths to accommodate the total spectrum of textile printers.

www.setema.com

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