

II-Fix



The II-Fix is a complete autonomous drying and 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 drying/heat fixation are automatically synchronised to a one step process. The II-Fix unit is developed for the fixation of disperse direct and disperse transfer/sublimation dyes, curing of pigment prints as well as a universal contact dryer in various applications.

The II-Fix is equipped with electrically heated, thick walled aluminium drums, guaranteeing an even temperature in the full width of the drum and a quick heat transfer to the textile.

Due to the pressure-free heat fixation, the textile structure will be maintained while the paper free workflow of the II-Fix saves on consumables costs.

By placing the II-Fix behind the printer, it will not influence the printing process with heat generation and evaporated solvents.

The maintenance-free chains drive the drums. A fabric bar can be attached to the chain which greatly simplifies the feed-in handling of cloth into the II-Fix.

The II-Fix is delivered complete with its own embedded control-unit. The drying/fixation chamber is equipped with an integrated exhaust to remove hazardous solvents and moisture, which evaporate easily at high fixation temperatures from the ink, thereby keeping the working environment and printer clean.

With temperatures between 50 and 220°C and dwell times from 15 seconds till several minutes the II-Fix is suitable for a wide range of drying, curing and fixation applications.

The II-Fix series is available in our standard widths of 1.85, 2.50 and 3.40 meter, as well as an extra wide version up to 5 m cloth width. The construction is made of 304 stainless steel and coated aluminium drums.

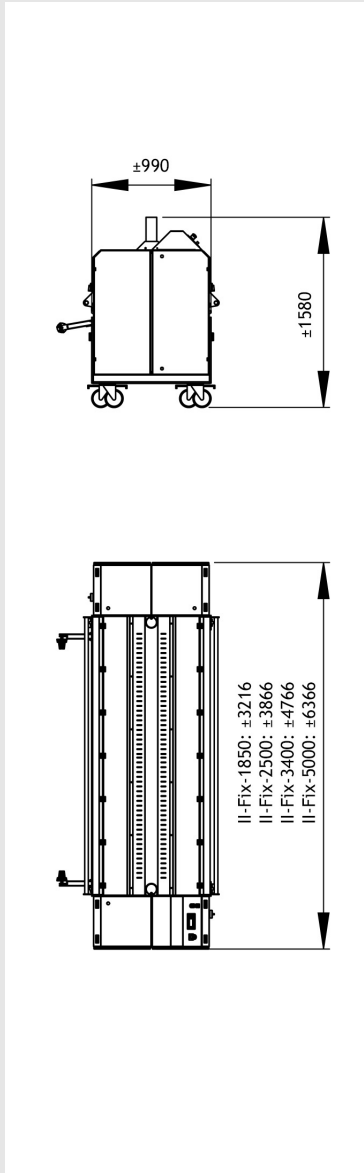
The II-Fix is **CE** marked.

- complete autonomous heat fixation for disperse direct and disperse transfer/sublimation dyes
- curing unit for pigment prints
- universal contact dryer
- can be coupled in-line to each digital printer
- maintains the textile structure due to the pressure-free heat fixation
- paper free workflow
- integrated exhaust
- no influence on the printing process with heat generation and evaporated solvents
- efficient heat transfer by electrically heated, aluminium drums
- easy to operate
- easy to maintain
- available in 1.85, 2.50 and 3.40 meter width
- extra wide version of 5 m

options:

- custom power / frequency

II-Fix technical specifications



Type, capacity		IIF			
Fabric length inside II-Fix		5			[m]
Fabric length in contact with drum		1.3			[m]
Production capacity	150 sec. contact time	31.2			[m/h]
	60 sec. contact time	78			[m/h]
	30 sec. contact time	156			[m/h]
Temperature range	Drum temperature	50 - 220			[°C]
Fixation	Typical fixation temperature	175 - 200			[°C]
Pigment curing	Typical curing temperature	140 - 150			[°C]
Drying	Typical drying temperature	90 - 120			[°C]
Evaporation capacity		19 - 30			[kg/h]
Maximum drying capacity	36 g/m ² wet pick-up	~ 280			[m/h]
	72 g/m ² wet pick-up	~ 140			[m/h]
Type, width		1850	2500	3400	
Fabric	maximum width	1.85	2.50	3.40	[m]
Fabric roll	maximum weight	60			[kg]
	maximum diameter	0.55			[m]
Speed min. - max.	hour based	30 - 390			[m/h]
	minute based	0.5 - 6.5			[m/min]
Exhaust fan	flow	300 - 900			[m ³]
Weights		1000	1050	1200	[kg]
Required Connections		1850	2500	3400	
	power voltage	N + 3 x 230Y/400Δ			[VAC]
	power current	63			[A]
	II-Fix heater, power	26	32	40	[kW]