

E-Pad series

The E-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 or a fabric protector.

Textile is dipped in the E-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. Due to the vacuum technique the evenness over the width is excellent. The level of vacuum is adjustable to accommodate for different fabrics. The wet-pickup is greatly dependent on the type of fabric but can be as low as 30% for synthetics and 60% for natural fibres. The extracted padding liquid is recycled to reduce chemical consumption.


A chemical pump is used to fill the padding liquid into the E-Pad. During production the pump is used to circulate the padding liquid and distribute it over the width. The remaining liquid can be pumped out of the system for storage or waste handling.

The maintenance-free chains drive the rollers thus a tensionless fabric transport is guaranteed. In addition to that a fabric bar can be attached to the chain which greatly simplifies the feed-in handling of cloth into the E-Pad unit.

A set of spiral rollers is standard in front and behind the vacuum slot. These rollers enable the processing of single jersey knits by uncurling the edges at the vacuum slot.

The E-Pad is available in a 1.85, 2.50, 3.40 and 5.0 meter width and is made of 304 stainless steel.

The E-Pad can be combined with e.g. the Drum-Dryer-5 or the II-Fix into a complete padding-drying line as well as in combination with e.g. the E-Wash for wet-in-wet processing thereby saving an intermediate drying cycle.

The E-Pad is  marked.

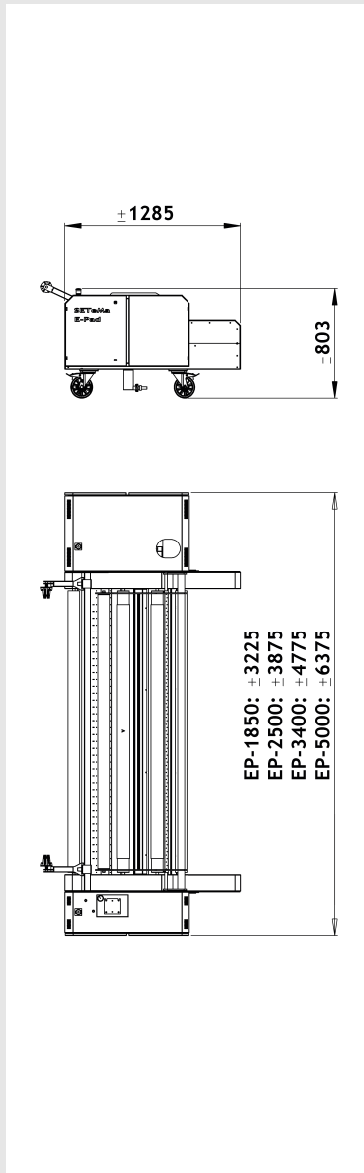


- compact modular roll-to-roll padding line
- suitable for pre- and aftertreatment
- excellent evenness over the width
- cost-effective and simple application process
- low content due to circulation pump
- high efficient vacuumextraction for cloth-friendly application of chemicals
- recycling of padding liquid
- no leaders for feed-in / feed-out
- easy to operate and easy to clean
- easy to maintain
- processing single jersey knits
- available in a 1.85, 2.50, 3.40 m width
- extra wide version of 5 m
- stainless steel 304/316

Options:

- tension control bars
- custom power / frequency

E-Pad series technical specifications



Type, capacity		EP			
Fabric content		1.3			[m]
Production capacity (strongly dependent on drying system)		≤300			[m/h]
Type, width		1850	2500	3400	
Volume		20-80	25-100	35-130	[l]
Fabric	maximum width	1.85	2.50	3.40	[m]
Fabric roll	maximum weight	60			[kg]
	maximum diameter	0.55			[m]
Exhauster fan	power	5.5			[kW]
	vacuum	10000			[Pa]
Weights	EP	425	490	580	[kg]
Required Connections	power voltage	N + 3 x 230/400			[VAC]
	power current	16			[A]
Recommended	fresh water (spraygun)	≤300			[l/h]
	water pressure (spraygun)	1 - 6			[bar]
	waste water (spraygun)	≤300			[l/h]