

COATEMA – Machinery and equipment R&D centre

1 / 2

NO.	Machinery	Working width (mm)	Operation speed (m/min)	Drying/Curing	Dryer length (m)	Drying temperature (°C) max.	Optional features	Coating systems
1	Easycoater	400	0,1 – 5	Hot air dryer	0,54 m	120	✓ Automatic gap adjustment	✓ Slot die system ✓ Knife coating system ✓ Optional: ✓ Flexographic printing system ✓ Gravure printing system
2	Smartcoater	350	0.1 – 10	Hot air dryer	1 m	200	✓ Web edge guiding system: Unwinder ✓ Splice table ✓ Corona treatment ✓ Web cleaning ✓ Press-on roller ✓ Automatic gap adjustment ✓ Laminating roller ✓ Web edge guiding system: Rewinder	✓ Slot die system ✓ Knife coating system ✓ Kiss coater system ✓ Screen printing ✓ 3-roller coating system
3	Basecoater	350	0,1 – 5	Hot air dryer	2x 1 m (1x horizontal, 1x vertical)	235	✓ Foulard including squeezing roller ✓ Double sided slot die coating system ✓ Web edge guiding system: For both Un/Rewinder ✓ Segmented rewinder - Core dimensions: 3 & 6 inch (76 & 152 mm)	✓ Slot die system ✓ Double sided slot die system ✓ Foulard ✓ 2-roller coating system ✓ Knife coating system
4	Click&Coat	600	0,1 – 10	Hot air dryer	1	200	✓ Web edge guiding system (Rotational frame), directly after unwinder ✓ Web cleaning ✓ Heated coating roller ✓ Inert coating module ✓ Relaxation module	✓ Slot die system ✓ Knife coating system ✓ 2-roller coating system ✓ Foulard

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2 / 2

							✓ NIR module ✓ Washing module ✓ Corona module ✓ Lamination module ✓ Delamination module ✓ UV curing system (Modular): Working width 100 mm – 500 mm ✓ Cutting module ✓ Automatic gap adjustment ✓ Web edge guiding system (Rotational frame), directly before rewinder	
5	Linecoater	600	1 – 100	Hot air dryer	1,5	200	✓ Web edge guiding system (Platform), unwinder ✓ Corona Pre-Treatment ✓ Heated coating roller up to 60 °C ✓ Automatic gap adjustment ✓ Cooling rollers ✓ Calendering system: 10 t, heated up to 200 °C ✓ Lamination module ✓ Delamination module ✓ Nanostructuring ✓ UV curing system (Modular): Working width 100 mm – 500 mm ✓ Web edge guiding system (Platform), rewinder	✓ Slot die system ✓ Double sided slot die system ✓ Knife coating system ✓ 2-roller coating system ✓ 5-roller coating system
6	60t Calender	500	0,5 – 20	–	–	–	–	–
7	Dissolver		650 – 3,000 r.p.m.					