

## COATEMA – Machinery and equipment R&D centre

NO.	Machinery	Working width [mm]	Web speed [min/max] in m/min	Drying/Curing	Dryer length [m]	Drying temperature [°C] max.	Special equipment	Layout	Coating systems
1	SM21	500	1 – 30	Floating dryer inert / hot air dryer	Floating dryer inert: 5 Conventional hot air dryer: 3	Floating dryer inert: 140 hot air dryer: 235	Floating dryer inert / 2 x 6,000 m <sup>3</sup> /h / Inert gas: Nitrogen	IP54, ATEX (partly)	Slot die, knife, 2 roller
2	NI19	300	0,1 – 10	Hot air dryer / UV / IR	1	235	N.A.	IP54	Doctor blade, slot die, rotary silk screen
3	TR01 R2R	100	0,1 – 5	N.A.	1	235	N.A.	IP54, ATEX	Knife, slot die, commabar
7	DC13	500	0,2 – 2	Hot air dryer / IR	3,3 m Convection dryer / 700 mm IR-dryer	235 °C Convection dryer / 600 °C IR-dryer	Cooling roller / Stenter / Switch cabinet inside / Calender	IP54	Micro roller, powder scattering, two roller, double knife, commabar
8	BC57	300	0,1 – 5	Hot air dryer	2x 1 m (1x Horizontal, 1x Vertical)	235	Foulard incl. Squeezer / Double-sided coating	IP54, ATEX	Knife, slot die, foulard
10	CC08	500	0,1 – 10	Hot air dryer / UV / IR	max. 8	235	Washing Module, Lamination Module (100°C), Corona Module (2kW), Web cleaner, Inert coating modul, Relaxation modul, UV-dryer (mobil), Double side lamination (Unheated)	IP54, ATEX	Knife system, rotary screen system, slot die, commabar, foulard, micro roller

12	EC74	A3	0,1 – 3	Hot air dryer	N.A.	100	Vacuum table	ATEX	Doctor blade, slot die, screen printing
13	TS27	A4	0,1 – 4	N.A.	N.A.	N.A.	N.A.	IP54	Knife, slot die, commabar
14	TS28	A4	0,1 – 4	N.A.	N.A.	N.A.	N.A.	IP54	Knife, slot die, commabar
15	IC02	300	1 – 20	IR	6	300	Inert / Lamination / Floodgate for material equipment	IP54, ATEX	Knife, slot die
16	SM26	400	0,3 – 3	Hot air dryer, thermal oil	3	200	Electrical gap adjustment	IP54, ATEX	Knife, slot die
17	EC68	A3	0,1 – 3	Hot air dryer	N.A.	100	Vacuum table	ATEX	Doctor blade, slot die, screen printing
18	LC21	400	1 – 30	Hot air extraction floating dryer / thermal oil	5	235	UV / Cooling roller / Lamination	IP54, ATEX	Slot die, micro roller
19	SC29	300	0,1 – 10	Hot air dryer	3	235	Foulard incl. Squeezer / Double-sided coating	IP54, ATEX	Knife, slot die, commabar, rotary screen, foulard, micro roller
20	DC17	500	0,2 – 2	Hot air dryer	3	235	N.A.	IP54, ATEX	Slot die, knife, double side, engraved roller