

# Technical specifications

| Machine            | Manufacturer                    | Kroenert   | Pagendam  | Nordson                              |
|--------------------|---------------------------------|--|---|--------------------------------------|
|                    | Speed range                     | 5-200 m/min  | 6-80 m/min  | 20-150 m/min                         |
| Coating chemical   | Sorts                           | Dispersion    Solvent  | Dispersion    Solvent   | Hotmelt                              |
|                    | Coating weights (dried)         | 2-80 g/m <sup>2</sup> 1-70 g/m <sup>2</sup>                                    | 2-80 g/m <sup>2</sup> 1-70 g/m <sup>2</sup>                   | 20-150 g/m <sup>2</sup>              |
| Unwinding station  |                                 |  |   | Alt. 1    Alt. 2                     |
|                    | Continuous coating              | yes  | yes   | no    no                             |
|                    | Maximum roll width              | 1570 mm  | 1300 mm   | 380 mm    380 mm                     |
|                    | Minimum roll width              | 600 mm   | 600 mm  | 20 mm    20 mm                       |
|                    | Core inside diameter            | 3 or 6 Inch (thickness min. 10 mm)   | 3 or 6 Inch (thickness min. 10 mm)                            | 3 Inch or 6 Inch    3 Inch or 6 Inch |
|                    | Maximum roll weight             | 1200 kgs   | 500 kgs   | 40 kgs    30 kgs                     |
|                    | Maximum material thickness      | approx. 500 µ  | approx. 500 µ   | 300 µ    300 µ                       |
|                    | Minimum material thickness      | 23 µ   | 12 µ  | 23 µ    23 µ                         |
| Coating stations   | Maximum outside diameter roll   | 800 mm   | 500 mm  | 600 mm    600 mm                     |
|                    | Number of coating stations      | 1  | 2   | 1                                    |
|                    | Possibilities 1. Station        | 3 trollies with multi-pressure-gravure, knife over roll, nozzle with meyer-bar | nozzle with meyer-bar on material surface or backing          | Hotmelt with nozzle                  |
|                    | Possibilities 2. Station        | -  | nozzle with meyer-bar, knife over roll or classic meyer-bar   | -                                    |
| Drying             | Maximum coating width           | approx. 1500 mm  | approx. 1280 mm   | 350 mm                               |
|                    | Inline coating-weight measuring | with beta-emitter  | -   | -                                    |
|                    | Length receiving drying channel | -  | 3 m   | -                                    |
|                    | Length main drying channel      | 24 m   | 17 m  | -                                    |
| Cooling            | Sections                        | 6  | 1+7   | -                                    |
|                    | Temperature range               | 40 - 150 °C; section 6 also for cooling  | 20 - 110 °C   | depends on Hotmelt-type              |
|                    |                                 | up to approx. 15 °C  | Cooling down to room temperature by means of cooling cylinder | up to 8 °C                           |
| Corona treatment   | Maximum power                   | 6 KW   | 2 KW  | 1,5 KW                               |
| Laminator unwinder |                                 |  |   | look at unwinder Alt. 1 / 2          |
|                    | Maximum roll width              | 1570 mm  | 1300 mm   |                                      |
|                    | Minimum roll width              | 600 mm   | 400 mm  |                                      |
|                    | Core inside diameter            | 3 or 6 Inch (thickness min. 10 mm)   | 3 or 6 Inch (thickness min. 10 mm)                            |                                      |
|                    | Maximum roll weight             | 1200 kgs   | 500 kgs   |                                      |
|                    | Maximum material thickness      | 500 µ  | 250 µ   |                                      |
| Laminator          | Minimum material thickness      | 23 µ   | 12 µ  |                                      |
|                    | Maximum outside diameter roll   | 800 mm   | 500 mm  |                                      |
| Rewinder station   |                                 | max. pressure about 5 bar with rubber laminator against cooling roll           | rubber laminator against cooling roll                         | possible                             |
|                    | Maximum roll width              | 1570 mm  | 1300 mm   | 380 mm                               |
|                    | Inline slitting station         | yes/shear knives for edge cutting  | yes/shear knives  | yes/razor blades for edge cutting    |
|                    | Minimum roll width              | 300 mm   | 250 mm  | 120 mm                               |
|                    | Core inside diameter            | 3 or 6 Inch (thickness min. 10 mm)   | 3 or 6 Inch (thickness min. 10 mm)                            | 3 or 6 Inch                          |
|                    | Maximum roll weight             | 1200 kgs   | 500 kgs   | 70 kgs                               |
|                    | Maximum material thickness      | 500 µ  | 500 µ   | 300 µ                                |
| Rewinder station   | Minimum material thickness      | 23 µ   | 12 µ  | 23 µ                                 |
|                    | Maximum outside diameter roll   | 1000 mm  | 500 mm  | 600 mm                               |