

Coating line for wax, hotmelt and hotseal adhesive

PAK 610

The PAK is the benchmark in the domain of coating and lamination with wax and hotmelt at temperatures up to 180°C. With the PAK 610 Kroenert will enlarge their machine range. Sized for web width of 600 - 1,300 mm at production speed up to 300 m/min., the consequent modular design of the PAK 610 will allow equipment selection tailored to the individual production job.

Production objective:

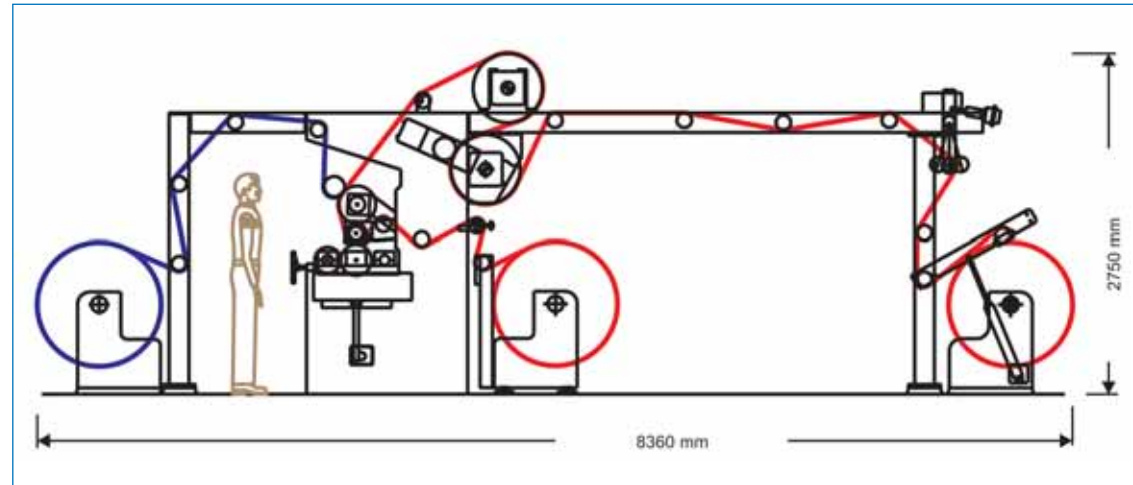
The following can be achieved immediately or by retrofitting:

- single sided wax- and pressure-sensitive adhesive coating
- strip coating and lamination
- duplex wax lamination of aluminium/paper; OPP/paper etc.
- hotmelt pattern coating
- lamination with 1- or 2-component solventless adhesive
- hotmelt coated adhesive tapes, single sided or double sided (in two passages)
- pressure sensitive adhesive labels

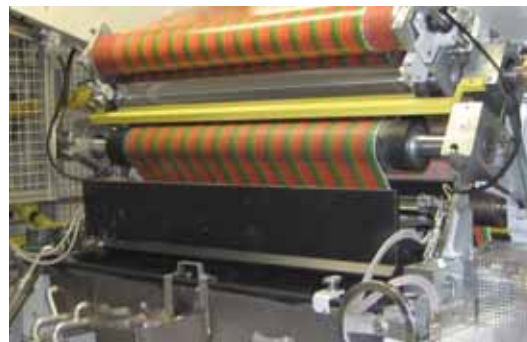


Main features of the PAK 610

- variety of coating- and laminating methods
- broad coating weight range from 2 - 200 g/m²
- product cost savings through controlled weight reduction (doctor blades)
- different coating weight on front- and rear side of the web (double side doctor blades)
- wide viscosity range through coating out of the pan or without pan through coating out of the nip (feeding box)
- controlled gloss through variable positioning of distance and wrap angle around the cooling roll
- variable positioning of the laminating/cooling roll for ideal takeoff-point of the web
- minimum risk of water condensation through offset-position of the cooling station (not above the coating station)
- space saving through compact design
- modular construction with possibility of retrofits for various process



Side view of the PAK 600 (basic setup)



Wax coating with high gloss

Application range of the PAK 610:

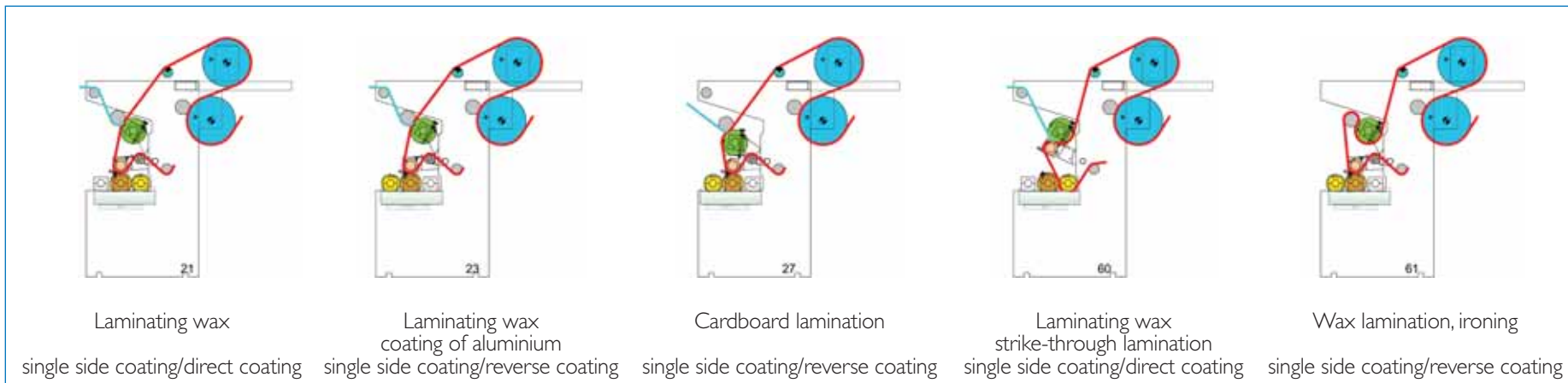
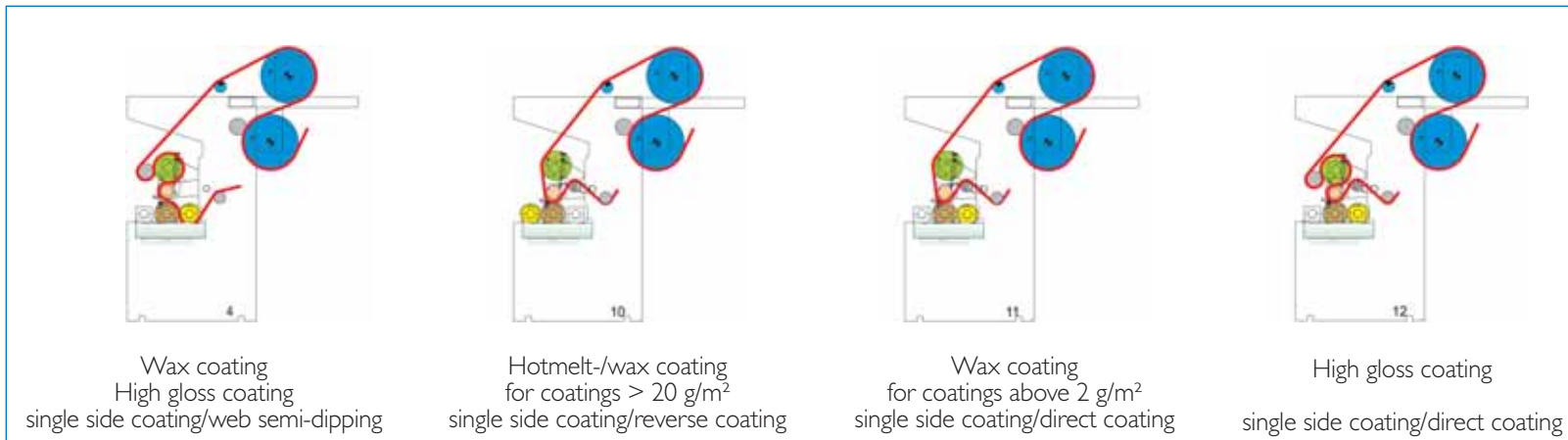
Food packaging:

- Butter; bread- and fast-food packaging, chocolate, candy
- Yoghurt banderols

Technical products:

- glossy papers (flower wrapper, decorating paper etc.), cardboard, shelf covering- and present wrapper
- tear-off tape
- labels and adhesive tapes

Various Coating Process of the Basic installation



Options for the PAK 610

Machine setup

- inline pre-lacquering

Coating station

- coating out of the nip with feeding box
- gravure coating with oscillating doctor blade
- single side- and double side doctor blades
- PAKMELT 400 for melting and circulating wax and hotmelt up to 400 kg/h
- strip-unwind with hotmelt coating and laminating
- Mayer-bar doctor unit
- sleeve-technology for fast changeover on the counter-pressure roll
- dip rolls for double side coating

Winders

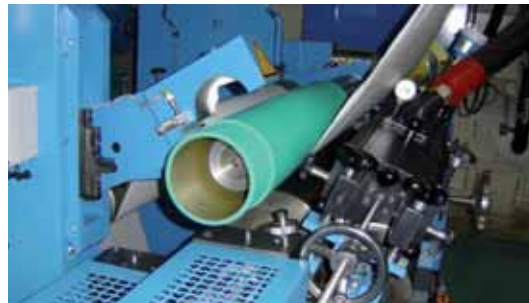
- shaftless roll handling
- automatic flying splice for non-stop operation



Feeding box for hotmelt coating out of the nip



Strip lamination



Sleeve changeover without cutting the web



Lamination of aluminium



Double side doctor blade after dip coating