

## Coating line for wax, hotmelt and hotseal adhesive

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:

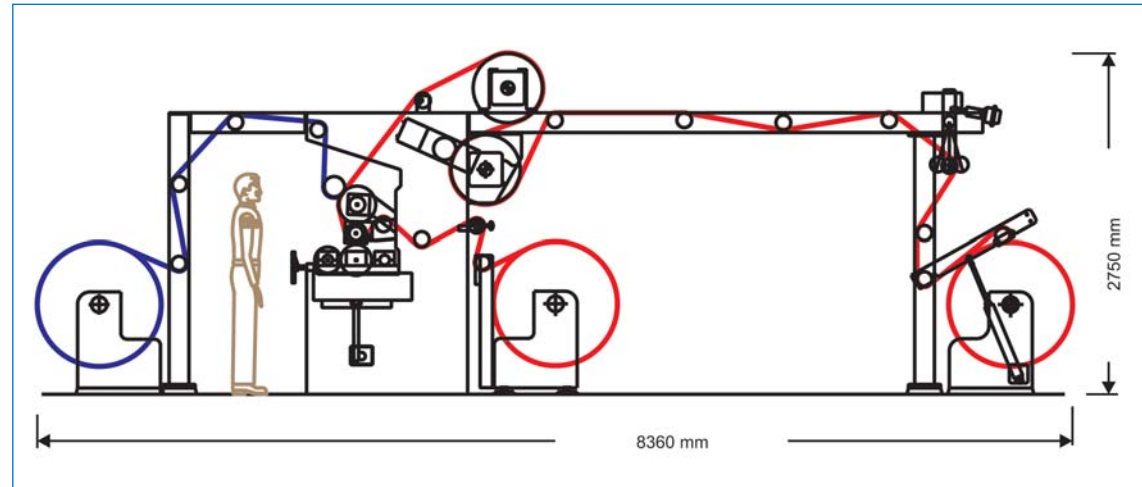
The following can be achieved immediately or by retrofitting:

- 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

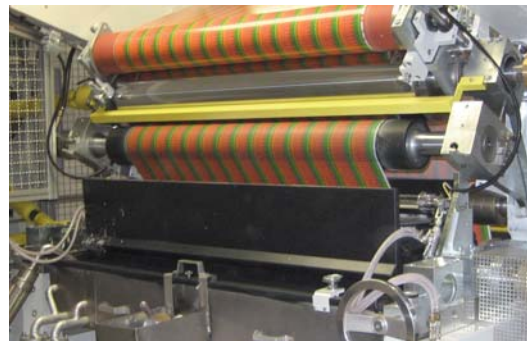


### Main features of the PAK 610

- variety of coating- and laminating methods
- broad coating weight range from 2 - 200 g/m<sup>2</sup>
- 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:

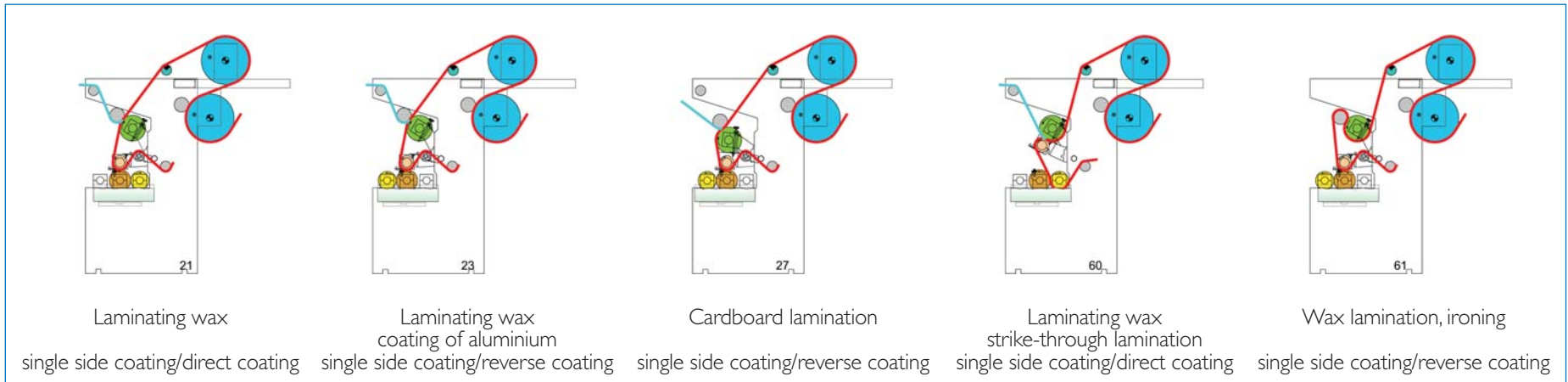
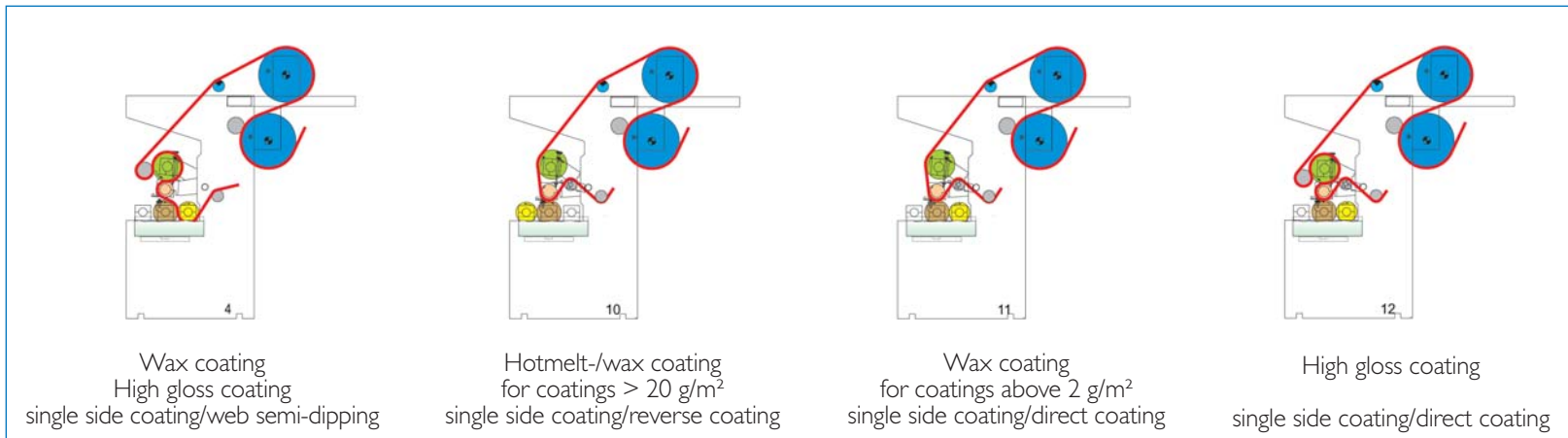
#### Food packaging:

- 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

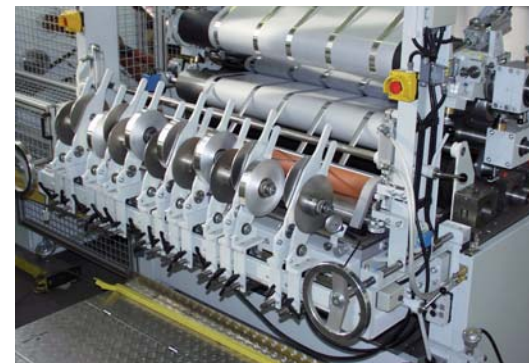
- coating out of the nip with feeding box
- gravure coating with oscillating doctor blade
- single side- and double side doctor blades
- PAKMELT 400 for melting and circulating wax and hotmelt up to 400 kg/h
- strip-unwind with hotmelt coating and laminating
- Mayer-bar doctor unit
- sleeve-technology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

### Winders

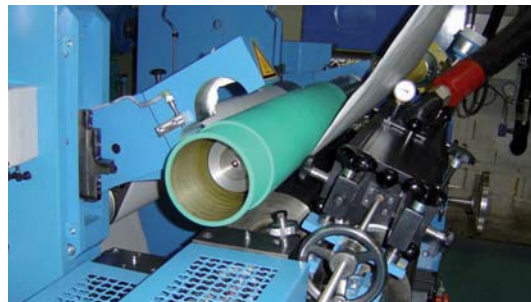
- shaftless roll handling
- automatic flying splice for non-stop operation



Feeding box for hotmelt coating out of the nip



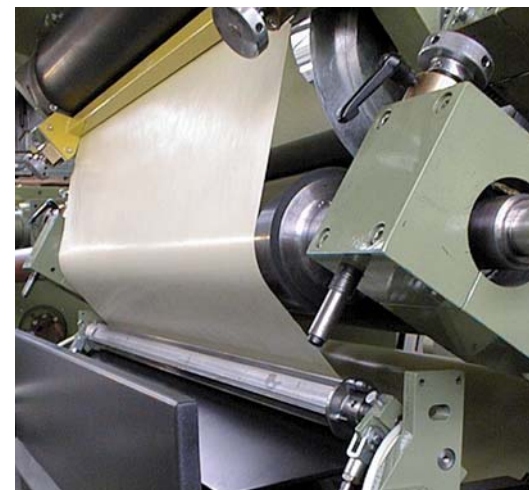
Strip lamination



Sleeve changeover without cutting the web



Lamination of aluminium



Double side doctor blade after dip coating



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