



DAVIS-STANDARD®

Where your ideas take shape.



Extrusion Coating

High Efficiency Aseptic Packaging Line

Typical Line Capabilities

- Triplex extrusion coating and laminating line for paper, aluminum foils and/or film
- Surface treatment by flame treatment for both sides of the board
- Process capabilities for LDPE, LLDPE and HDPE (mono-extrusion)
- Process capabilities for Ionomer, PP, EAA and EMAA (co-extrusion)
- Max roll diameter for paper 1.600 up to 2.000mm
- Shaftless unwinds and winder
- Web tension range depending on substrate and width up to 3500

Design Criteria

- Machine line speed 350, 450, 600 or 800 m/min
- Max web width 1350, 1650 and 1900mm
- Minimum web width = half of max web width
- Nominal machine roll face = 150mm wider than the web

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EQUIPMENT LIST (DEPENDING ON SPEED)

Unwind section

- Two direction shaftless turret unwind
- Loading table
- OPG web guide
- Pull roll station
- Flame pre-treating unit for both sides of the web
- Frame with cooling rolls and web overpass

Coating station (Laminate)

- Linear 3 roll Laminator for extruder carriage with one extruder + space
- QSE adapter with melt pipe
- Automatic die type 510 A
- Two direction shaftless auxiliary unwind for Al foil

Coating station (Inside)

- Linear 3 roll laminator
- Co-extruder carriage with 3 or 4 extruders
- QSE adapters with melt pipes
- 3 layer Feed-block
- Automatic die type 510 A

Coating station (Decor)

- Linear 3 roll laminator
- Web over pass
- Razor blade edge trim
- Trim exhaust with chopper fan
- Extruder carriage with one extruder
- QSE adapter with melt pipe
- Automatic Die Type 510 A
- Thickness measuring system and APC control
- Gravimetric Dosing and polymer feeding system

Winder section

Surface winder with shaft extractor or shaft-less turret winder with pull roll

Auxiliary Equipment

- Water pump stations
- Central hydraulic unit
- Foundation plates and extruder guiding rails
- Safety devices
- Web break detectors
- Frames and idler rolls

Drives and controls

- Process - Visualization - System EXACT
- Davis-Standard Secure Service Support System (DS⁵)
- AC drives
- Load cells
- Control- and contactor cabinets (PLC)
- Main operating panel
- Power panels and temperature control

OPTIONS

- Water pump stations
- Central hydraulic unit
- Foundation plates and extruder guiding rails
- Safety devices
- Web break detectors
- Frames and idler rolls