The new FlexPack® extrusion lamination line is capable of producing a wide variety of structures for different applications.

Key Features:
✓ low space requirement
✓ good accessibility
✓ high quality components
✓ best cost performance ratio
✓ easy operation

<table>
<thead>
<tr>
<th>Substrates</th>
<th>BOPP film, BOPET film, PA film, paper, aluminium foil, metallised film, barrier film, nonwovens, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extrusion materials</td>
<td>LDPE, PP, EAA, EMA, EVA, IONOMERS...</td>
</tr>
<tr>
<td>Coating weight</td>
<td>8 – 50 g/sqm (depending on product)</td>
</tr>
</tbody>
</table>

Extrusion
- Extruder carriage with floor-level trackwork and 3 axis motorised movement
- Fully integrated extruder mounted gravimetric batch dosing system (maximal 6 components each extruder)
- Extruder A: Ø 90/33 L/D
- Extruder B: Ø 60/33 L/D
- Third extruder optional
- Melt filter and melt pressure regulation valve
- 3-layer feedblock with variable geometry (optional 5 layers)
- T-die with internal deckling and edge bead reduction system
- Inline die splitter for easy die cleaning

Types

<table>
<thead>
<tr>
<th>Types</th>
<th>FlexPack® 1500</th>
<th>FlexPack® 1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product width</td>
<td>700 – 1,350mm</td>
<td>800 – 1,650mm</td>
</tr>
<tr>
<td>Max. mech. line speed</td>
<td>350 m/min</td>
<td>350 m/min</td>
</tr>
<tr>
<td>Max. mech. line speed, shaftless</td>
<td>450 m/min</td>
<td>450 m/min</td>
</tr>
</tbody>
</table>

Coating unit
- Chill roll, Ø 800mm
- Rubberised pressing roll, Ø 200mm
- Steel supporting roll, Ø 250mm
- Separate cooling circuits for chill roll and pressing unit
- Quick change equipment for rollers
- Stripper roll at chill roll outlet
- Electrical adjustable teflon belt attachment
Unwinding unit(s)
- Fully automatic turret unwinds
- Both unwinding directions possible
- Max. substrate diameter 1,200mm, (1,270mm)
- Web tension, 30 - 600N
- Integrated edge guiding system
- Constant gap device for unwinding of thin foil
- Shafted or shaftless core clamping available

Thickness measuring unit(s)
- Frame with beta sensor (other sensors optional)
- APC control optional

Edge trim handling
- Shear cut circular knife system with driven counter knife
- Edge trim suction system with blower, venturi tube and sound absorber

Hotmelt coating module (optional)
- Hotmelt lamination or “DoubleCoat” process (patent pending)
- Hotmelt tank melter
- Drum melter optional
- Flat die with motorised deckling system

Ozone treatment (optional)
- Ozone generator
- Applicators for both side treatment of melt curtain

Winder
- Fully automatic turret winder W1500
- Both winding directions possible
- Max. winding diameter 1,200mm (1,270mm)
- Winding tension 50 - 750N
- Pull roll unit to separate web tension from winding tension
- Contact and gap winding mode
- Shafted or shaftless core clamping available

Primer unit (optional)
- Closed chamber doctor blade system for direct gravur coating
- Waterbased primers
- High efficiency hot air drying system with vertical dryer 2 x 2.5m
- Quick change for sleeve type rubber pressing roll
- Sleeve technology optional available

Field of applications
- Flexible packaging
- Coated papers
- Technical applications (insulation, packing material, ...)

In combination with patent pending “DoubleCoat“ process
- Breathable roofing membrane
- Products for hygienic applications (patient drapes, surgery coverings)
- Medical applications (patient drapes, ...)
- Breathable textiles
- Protective wear

Corona Treatment(s)
- Driven ceramic treatment roll with rubberised pressing roll
- Ceramic electrodes for treatment of conductive and non-conductive substrates