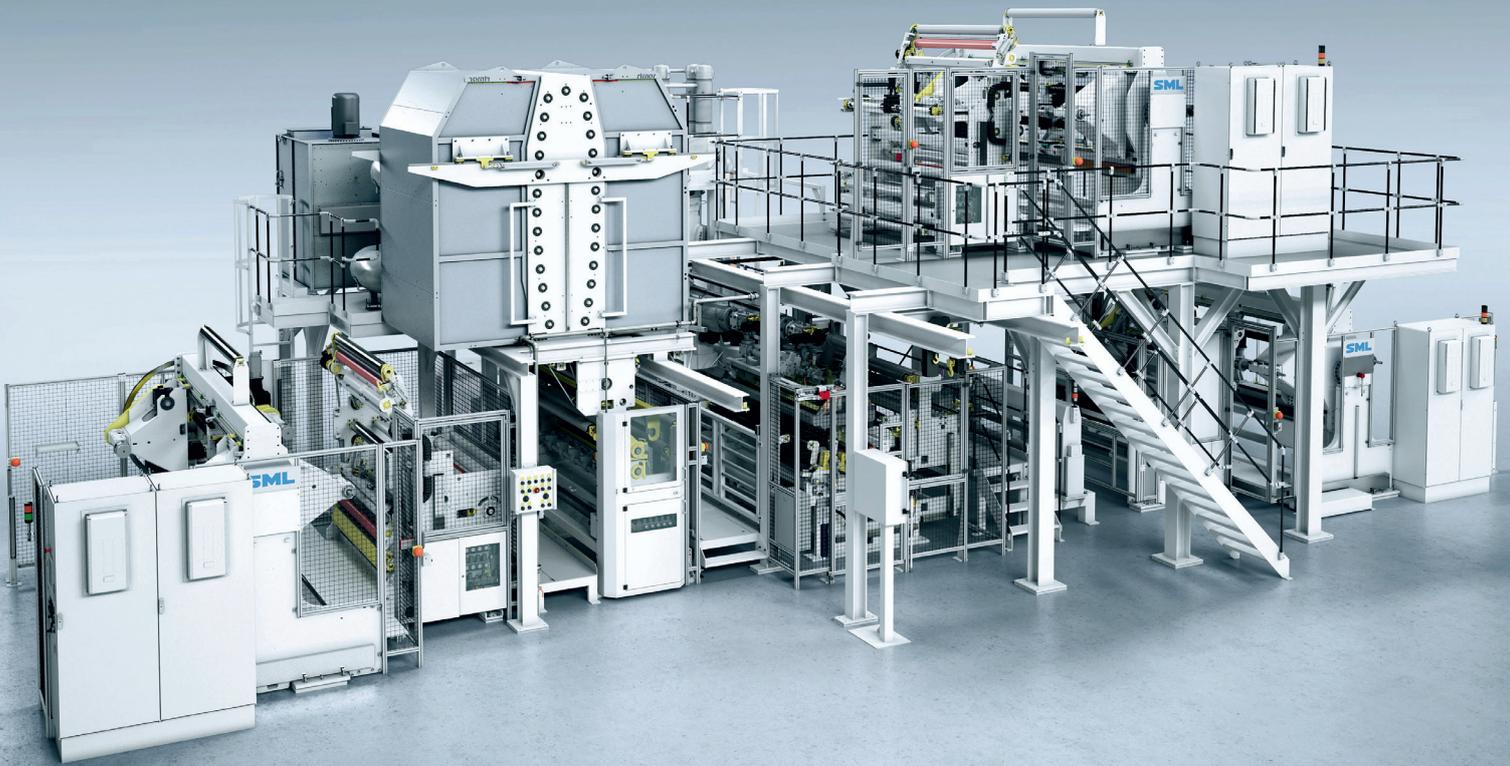


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EXTRUSION LINES – ENGINEERED TO PERFORM ▶



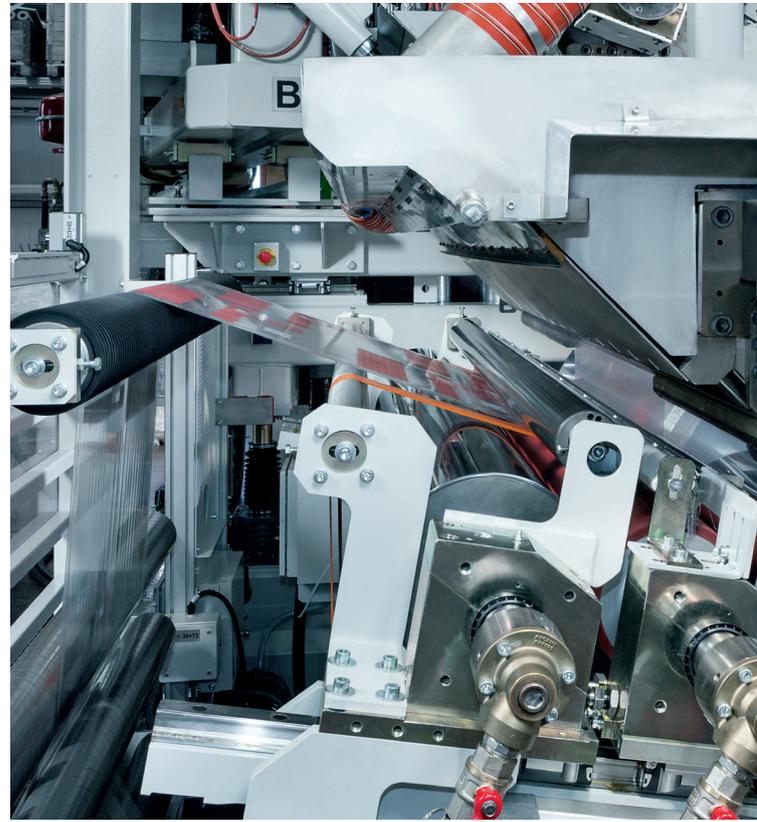
FlexPack®

EXTRUSION
LAMINATION LINE

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



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

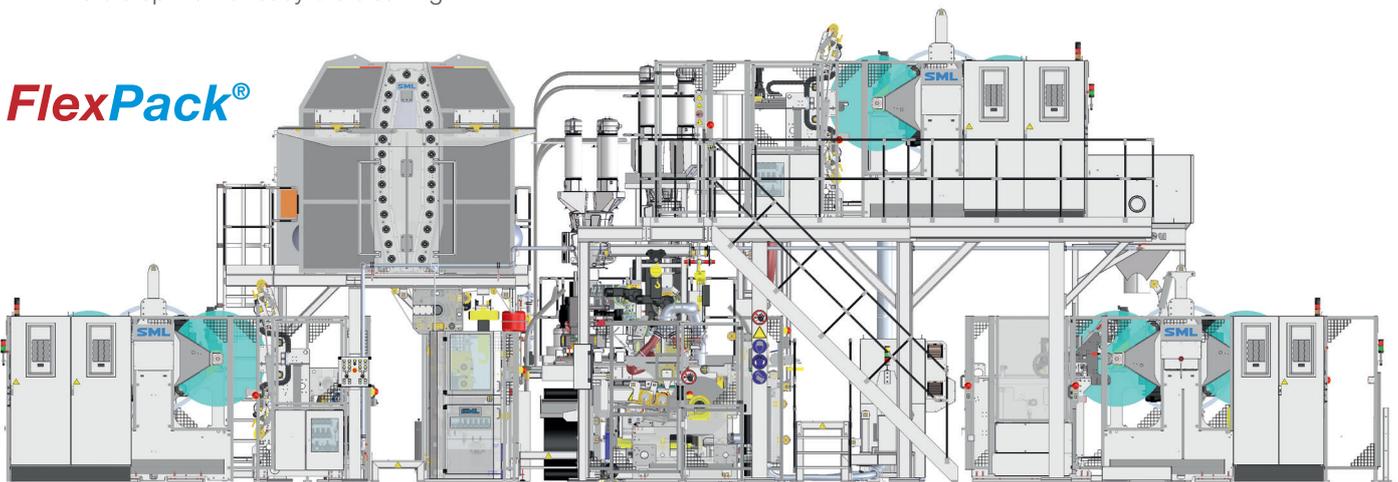
Types	<i>FlexPack</i> [®] 1500	<i>FlexPack</i> [®] 1800
Product width	700 – 1,350mm	800 – 1,650mm
Max. mech. line speed	350 m/min	350 m/min
Max. mech. line speed, shaftless	450 m/min	450 m/min

Extrusion

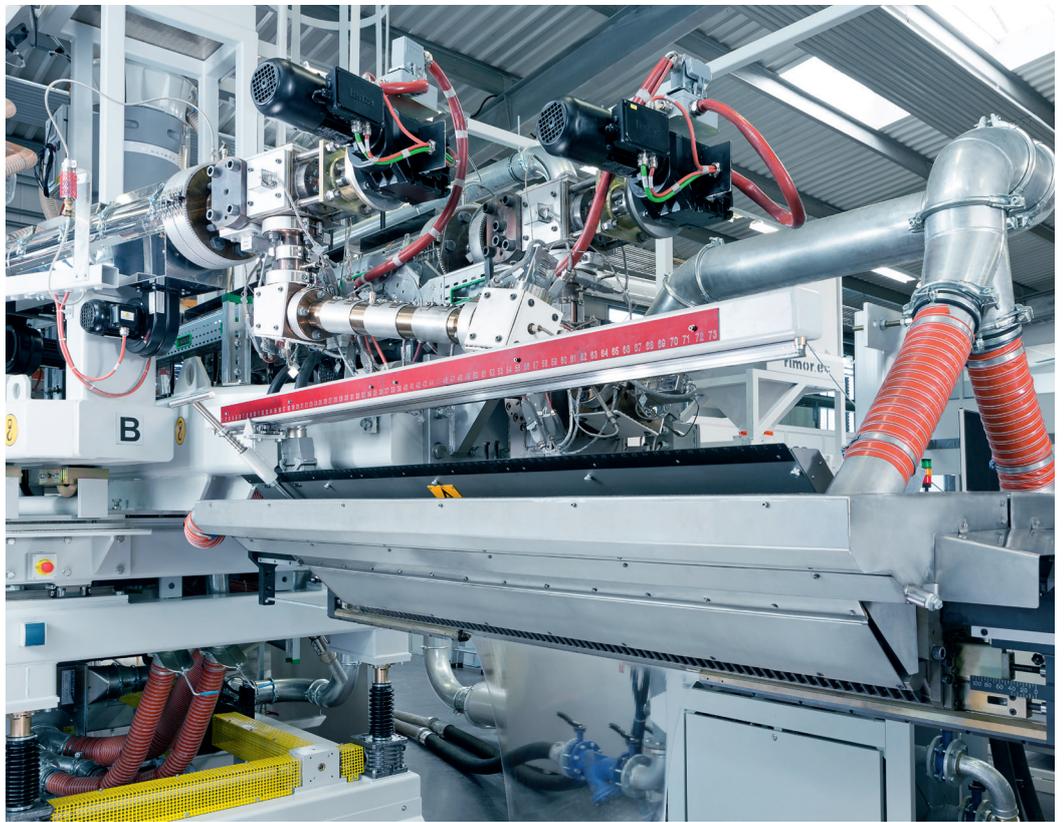
- Extruder carriage with floor-level trackwork and 3 axis motorised movement
- Fully integrated extruder mounted gravimetric batch dosing system (maximal 6 components each extruder)
- Extruder A: Ø 90/33 L/D
- Extruder B: Ø 60/33 L/D
- Third extruder optional
- Melt filter and melt pressure regulation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

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



FlexPack[®]



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

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

Primer unit (optional)

- Closed chamber doctor blade system for direct gravure 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

Corona Treatment(s)

- Driven ceramic treatment roll with rubberised pressing roll
- Ceramic electrodes for treatment of conductive and non-conductive substrates

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

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

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

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100%
eXtrusion
COATING LINES

ANALYSES | DEVELOPMENT

PRE-TESTED PERFORMANCE | DELIVERY ON TIME

SERVICE SUPPORT | CUSTOMER SATISFACTION

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