SML
EXTRUSION LINES – ENGINEERED TO PERFORM

AUSTROFIL
BCF PP
TRICOLOUR 6x2
SML’s newly developed AUSTROFIL BCF “TRICOLOUR” 6x2 spinning line strikes with its remarkable output capacity of 480 kg/h at two different modes of production. Either one big tricolour lot with 12 ends or three different monocolour lots with 4 ends each can be produced simultaneously. In both modes, highly crimped BCF yarns with outstanding properties – and with up to 700 filaments – are ready to be manufactured.

**KEY FEATURES:**
- 480 kg/h of tricolour or monocolour BCF yarn
- Simultaneous production of three independent monocolour lots – each 160 kg/h
- SML’s newly developed spinpack design for up to 700 filaments per yarn
- Intuitive Human Machine Interface (HMI)
- Short set-up time for spinpack changes
- Superior SML extrusion technology, combined with convenient gravimetric dosing systems
- Highly crimped BCF yarns due to SML’s patented texturing system and multi-wrap cooling drums
- Compact line design with a small footprint and an unmatched low line height
- Horizontal line set-up for easy string-up and maintenance
- Long-time proven 2-end winding technology for highest efficiency in production
- Ready for SML’s brand-new data logging & analysing tool „bitWise“

**RAW MATERIAL HANDLING AND DOSING**
- Accurate gravimetric loss-in-weight dosing
- Automatic material feeding for main components as well as for additives
- Boxes for accurate resin supply available

**3 EXTRUDERS**
- 75mm screw diameter and an L/D ratio of 28 for maximum output and top melt quality
- Static mixers ensuring best colour evenness
- Each extruder is equipped with a separate high-end dosing system
- Highly advanced technology by SML – in-house extrusion know-how & development

**SPINNING EQUIPMENT**
- 18 spinpumps, each with 2 outlets, are providing melt for 36 spinnerets
- Newly developed spinpack design, allowing a huge amount of filaments and very short set-up times
- Oil-heated spinning head for very accurate and stable melt treatment and a wide processing range – no DIPHYL handling necessary

**3 QUENCHING UNITS**
- For the accurate and independent cooling of three different monocolour lots as well as for one big tricolour lot
- Temperature and speed controlled, with 3 horizontal and adjustable zones in each unit

**LINE DIMENSIONS:**
- Length: 16,000mm
- Width: 11,000mm
- Height: 12,000mm
- Spinning height: 5,500mm

**BCF PP 6x2 TRICOLOUR, 12 ENDS**
- Polymer: PP, MFR 18-27
- Titer Range: 1,000 – 5,000dtex
- Dpf range: 5 up to 28dtex/fil
- Output capacity: 480 kg/h, 11.5 to/day

**WINDER DATA FOR BCF LINES**
- No. of yarns: 2
- Core diameter: 73
- Traverse length: 250mm
- Bobbin diameter: max. 320mm
- Mechanical winding speed: max. 3,500 m/min

**STRETCHING AND TEXTURING SYSTEMS**
- 6 feeding rolls for constant yarn take-up from the melt
- Swiss made godets for best yarn treatment and reliable stretching
- Patented texturing system for highest crimp
- Multi-wrap cooling drum for intensive relaxation of the yarn plug

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