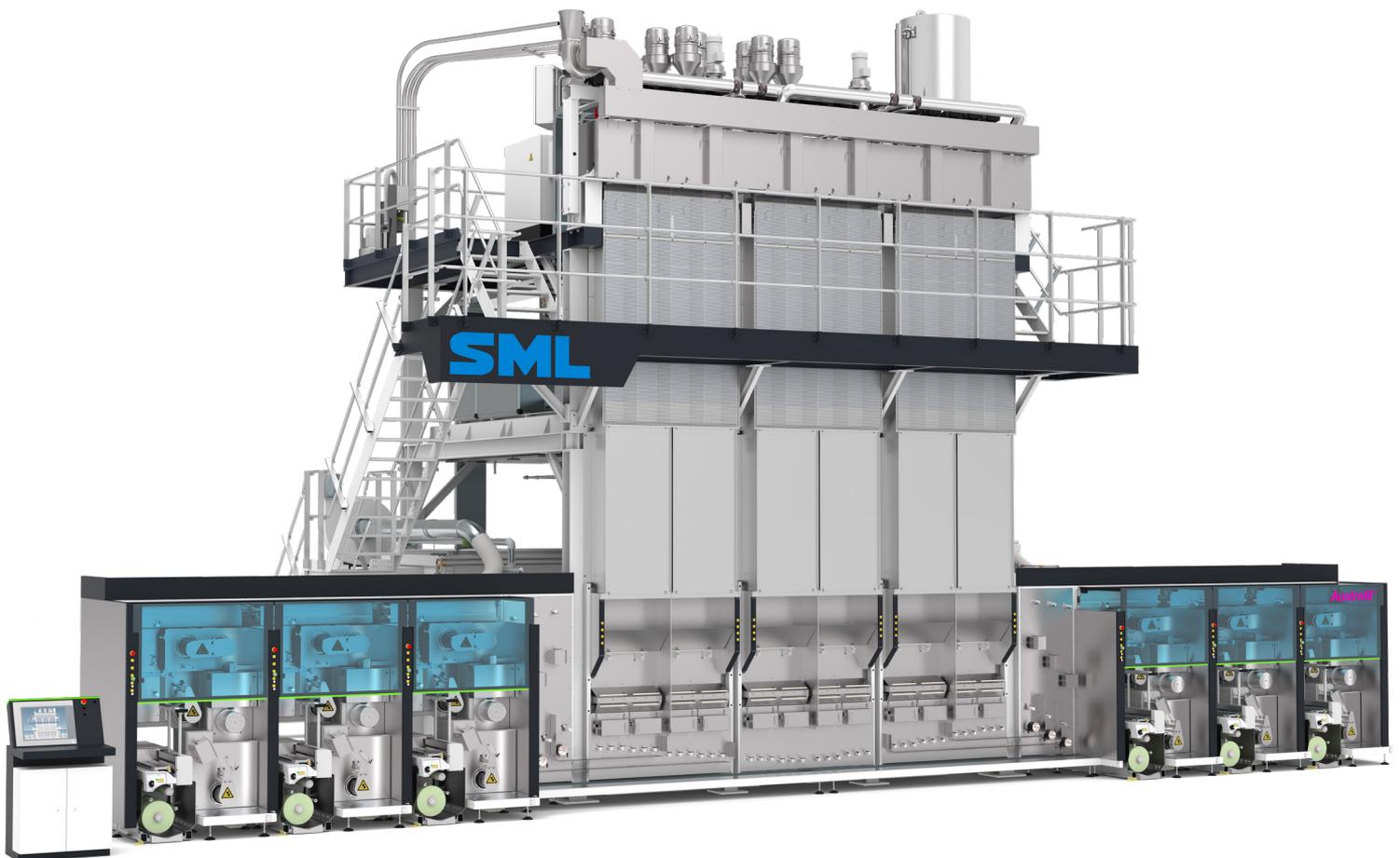


# multi- filament lines

**SML**  
EXTRUSION LINES – ENGINEERED TO PERFORM ▶

▶ **Austrofil® BCF**



**Extrusion lines –  
engineered to perform**

# Efficiency and high crimp – Austrofil® BCF lines

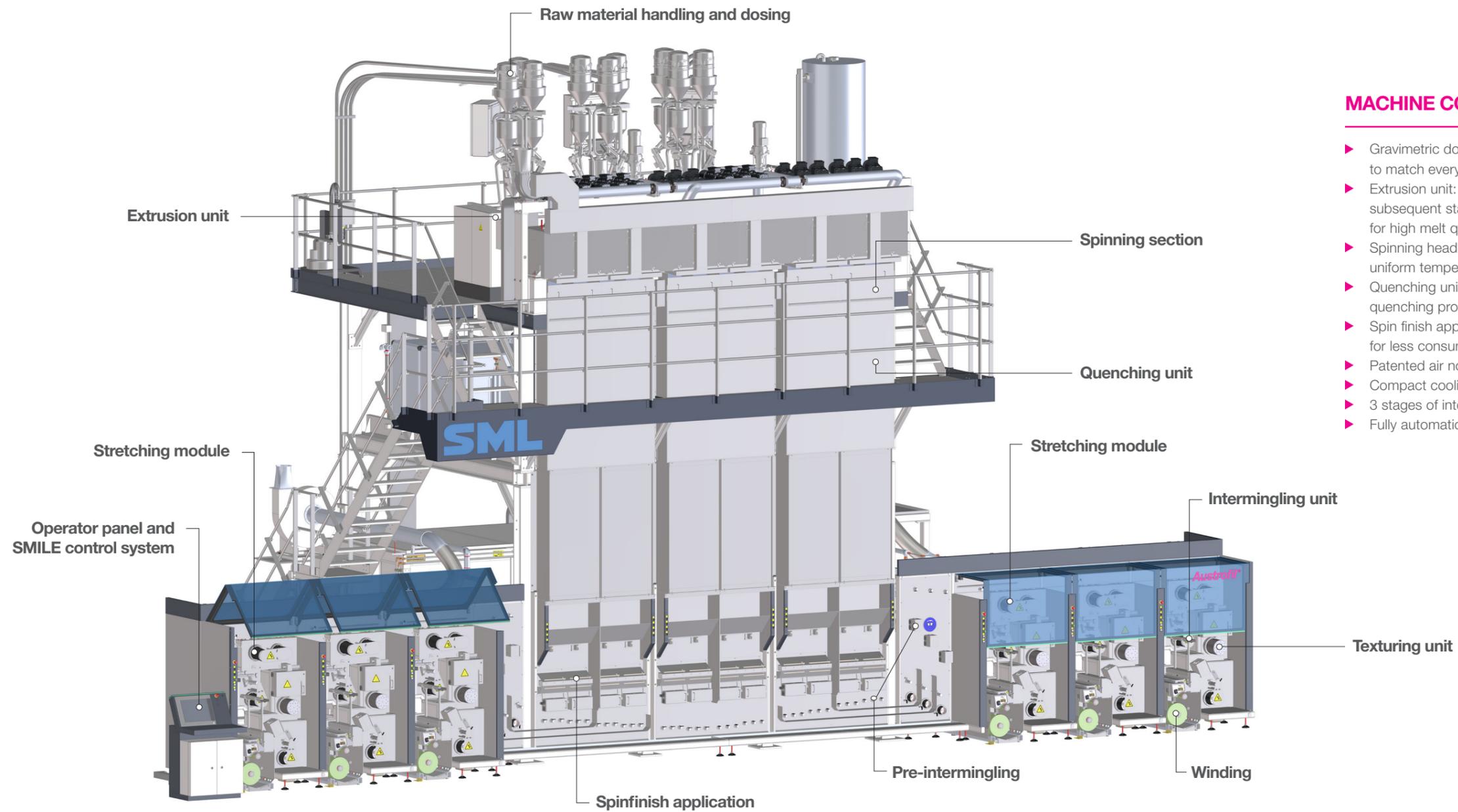
The bulked continuous filament (BCF) process is the most efficient method of producing yarns commonly used in the carpet industry. Using SML's patented BCF texturizing nozzles a unique high yarn crimp is achieved and material consumption is

reduced by up to 20 %.  
With SML lines constant  
production stability  
is guaranteed.

## Key Features

- Up to 20 % less material consumption
- High yarn crimp
- Monocolour and Tricolour technology
- Wide titre range
- High flexibility in the use of different polymers (PET, PP, PA)
- Fast production changeovers





**MACHINE COMPONENTS**

- ▶ Gravimetric dosing system with up to 2 additives to match every colour
- ▶ Extrusion unit: highly efficient extruders in different sizes, subsequent static melt mixer and a screen belt filter for high melt quality and homogeneity
- ▶ Spinning head with electrical heating for uniform temperature distribution
- ▶ Quenching unit with conditioned air for a stable quenching process
- ▶ Spin finish application with retrieval system for less consumption
- ▶ Patented air nozzles for high yarn crimp
- ▶ Compact cooling drum design
- ▶ 3 stages of intermingling
- ▶ Fully automatic turret winding unit

**LINE CONFIGURATIONS**

	<b>Austrofil® BCF Monocolour Compact 2x2</b>	<b>Austrofil® BCF Monocolour Twin 4x2</b>	<b>Austrofil® BCF Tricolour 4x2</b>	<b>Austrofil® BCF Tricolour 6x2</b>
<b>Output</b>	Max. 160 kg/h 3.8 t/d	Max. 320 kg/h 7.6 t/d	Max. 320 kg/h 7.6 t/d	Max. 480 kg/h 11.5 t/d
The actual maximum output depends on the raw materials used and the titre				
<b>Total number of ends</b>	4	8	8	12
<b>Extruder</b>	1 x 75/28	2 x 75/28	3 x 75/28	3 x 75/28
<b>Dosing system</b>	Continuous gravimetric loss-in-weight dosing with 3 components			
<b>Spinning beam</b>	4 spinning pumps with 2 outlets, electrically heated	8 spinning pumps with 2 outlets, electrically heated	12 spinning pumps with 2 outlets, electrically heated, thermal oil for heat transfer	18 spinning pumps with 2 outlets, electrically heated, thermal oil for heat transfer
<b>Number of winders</b>	2	4	4	6
<b>Type</b>	Automatic turret winder			
<b>Winding speed</b>	1,000 – 3,500 m/min			
<b>Core diameter</b>	73 mm			
<b>Bobbin diameter</b>	320 mm			
<b>Dimensions L x W x H</b>	7.6 x 6.5 x 6.9 m	12.5 x 6.0 x 6.9 m	14.0 x 8.5 x 7.1 m	15.5 x 6.6 x 9.1 m

**Technical data:**

<b>Products</b>	Carpets, rugs, door and window seals Carpets and rugs: mono- or multicoloured
<b>Polymer</b>	Polypropylene, MFR 18-27
<b>Titre range</b>	1,000 - 5,000 den / 900 - 4,500 dtex





### Technology that pays off quickly

The greatest need for bulk continuous filament yarns comes from the carpet industry and a number of other niche markets, such as door and window seals.



▶ **Take advantage  
of our global  
leadership in  
extrusion  
technology.**

**ANALYSES  
DEVELOPMENT  
PRE-TESTED PERFORMANCE  
DELIVERY ON TIME  
SERVICE SUPPORT  
CUSTOMER SATISFACTION**

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EXTRUSION LINES – ENGINEERED TO PERFORM ▶

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