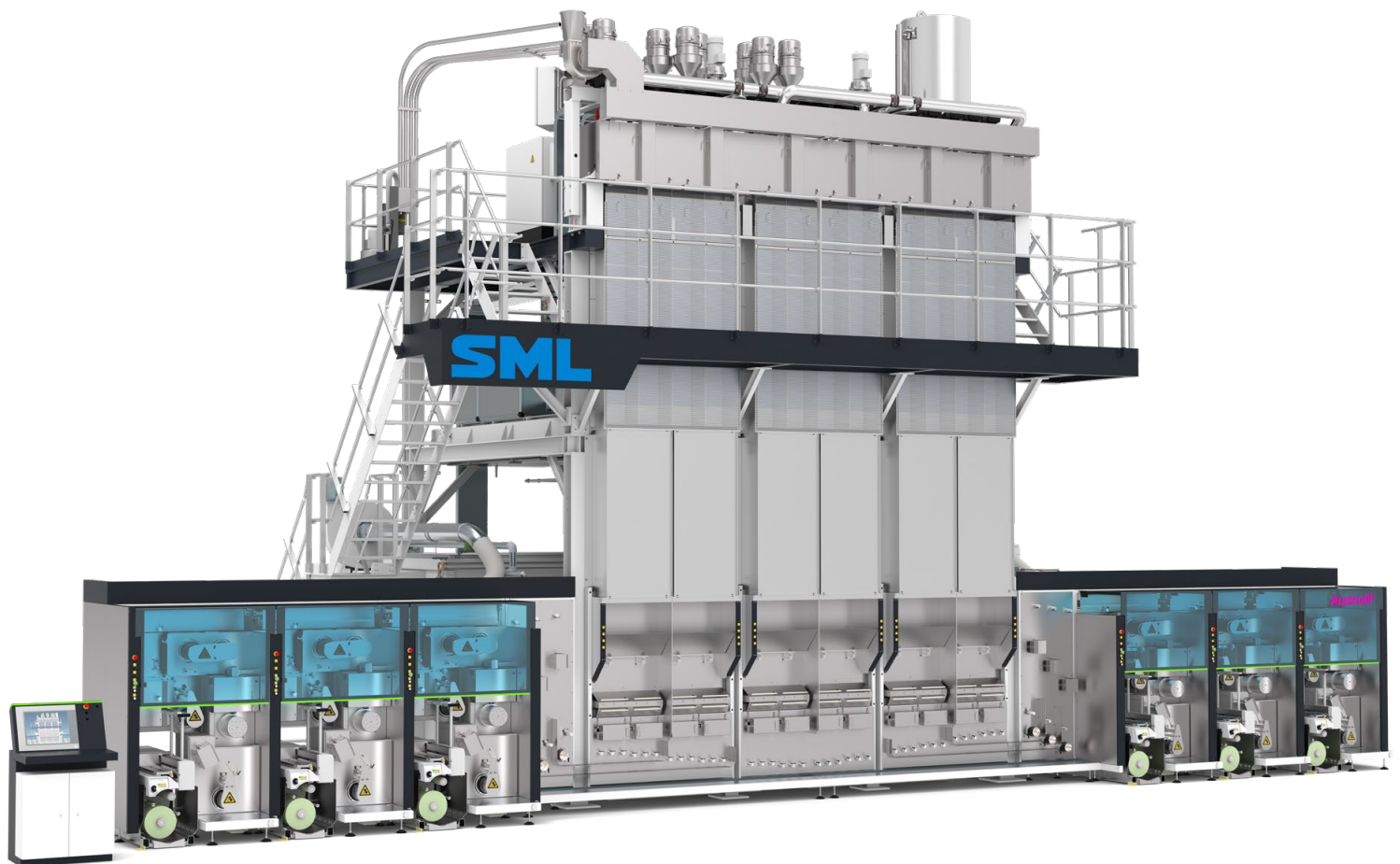


▶ multi-filament lines

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.

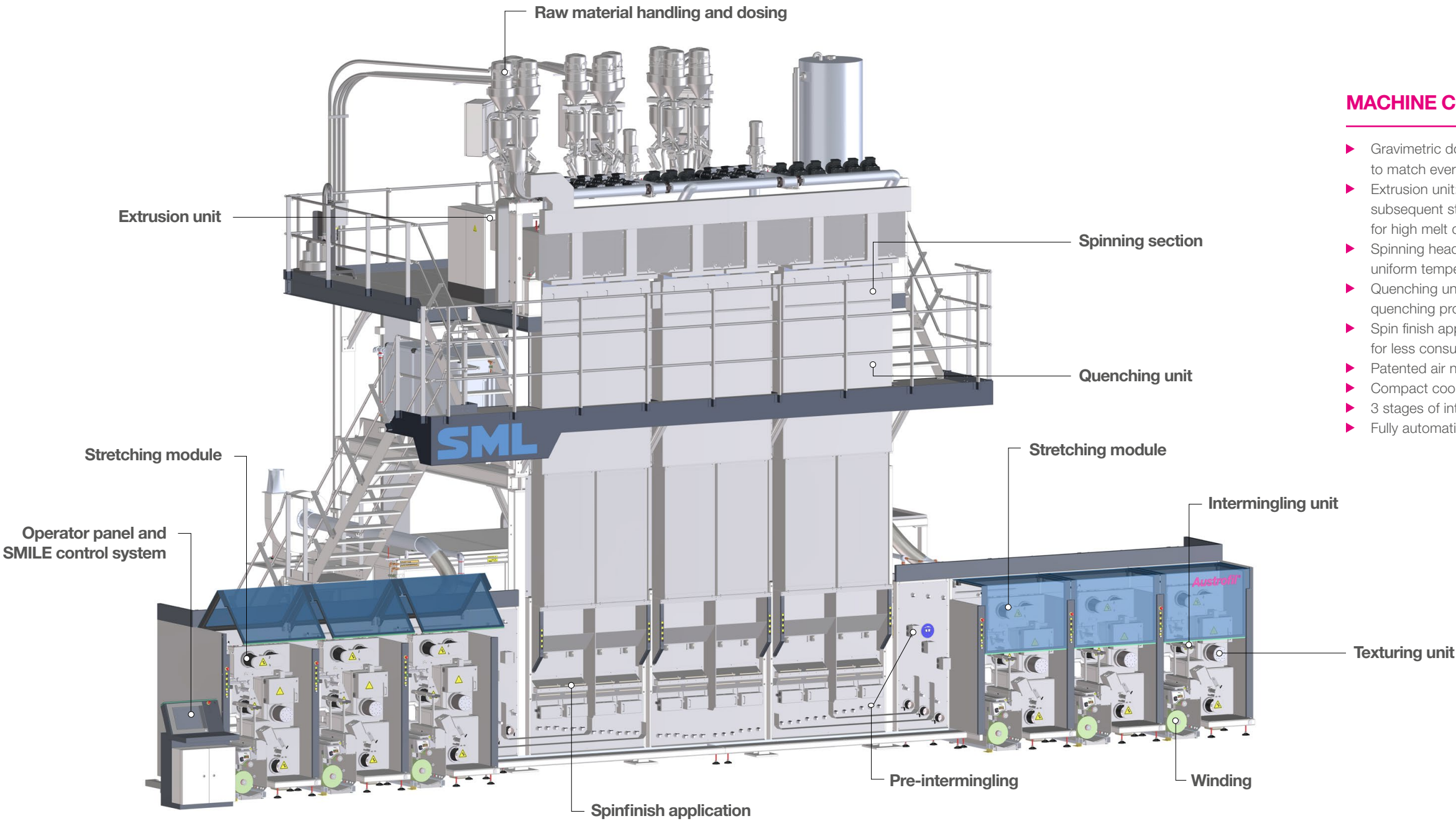
Key Features

- 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

	Austrofil® BCF Monocolour Compact 2x2	Austrofil® BCF Monocolour Twin 4x2	Austrofil® BCF Tricolour 4x2	Austrofil® BCF Tricolour 6x2
Output	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			
Total number of ends	4	8	8	12
Extruder	1 x 75/28	2 x 75/28	3 x 75/28	3 x 75/28
Dosing system	Continuous gravimetric loss-in-weight dosing with 3 components			
Spinning beam	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
Number of winders	2	4	4	6
Type	Automatic turret winder			
Winding speed	1,000 – 3,500 m/min			
Core diameter	73 mm			
Bobbin diameter	320 mm			
Dimensions L x W x H	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:

Products	Carpets, rugs, door and window seals Carpets and rugs: mono- or multicoloured
Polymer	Polypropylene, MFR 18-27
Titre range	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**

SML
EXTRUSION LINES – ENGINEERED TO PERFORM ►

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