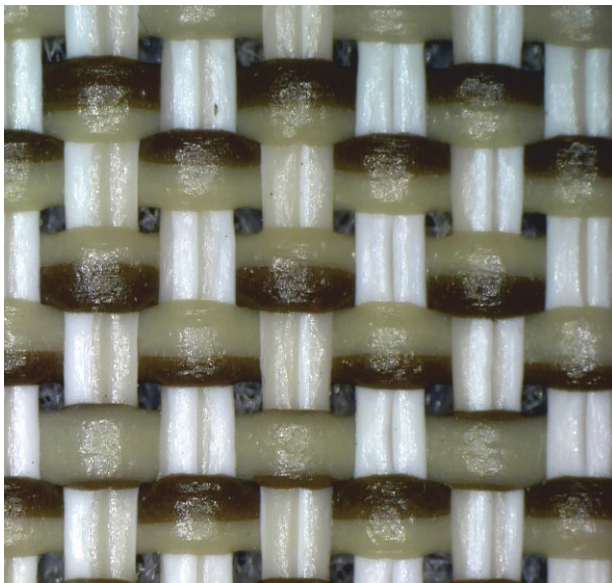


Exact core yarn centricity



Fewer cross marks due to soft bobbins



Bicolor fabric

Technical Data

No. of ends:	1
Coating:	mono- or bicolor
Core yarn:	PES Multifilament *
Coating material:	PVC *
Yarn diameter range:	0.25 - 1.0 mm *
Extruder screw diameter:	30 or 35 mm *
Extruder temperature:	up to 270°C *
Bobbin traverse length:	250 or 300 mm *
Tube inside diameter:	76.2, 82.55 or 94 mm *
Package diameter:	max. 320 mm
Package weight:	max. 20 kg

Combination of all maximum values is not possible
* others on request

Options

- Easy storage doffer for winder
- Yarn diameter measuring and regulation system
- Water chiller with integrated tank
- Bobbin labelling system
- Hopper loader for extruder
- Customized alarm management

TRAWON + SAHM



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WINDERS + SYSTEMS
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Single End Extrusion Coating Line

YarnStar 3+

Coating - Cooling - Winding^{+ Automation}



up to
1500 m/min



WINDERS + SYSTEMS
a member of Starlinger Group

YarnStar 3+

Coating - Cooling - Winding - Automation

No compromise between efficiency and quality

Market segments

Single end coated yarns for textile and technical applications, mono- and bicolor

Applications

Sunscreens, home textiles, upholstery fabrics, outdoor textiles, wall coverings, floor coverings, carpets and mattresses, specific coatings for technical yarns

Character of coated yarn

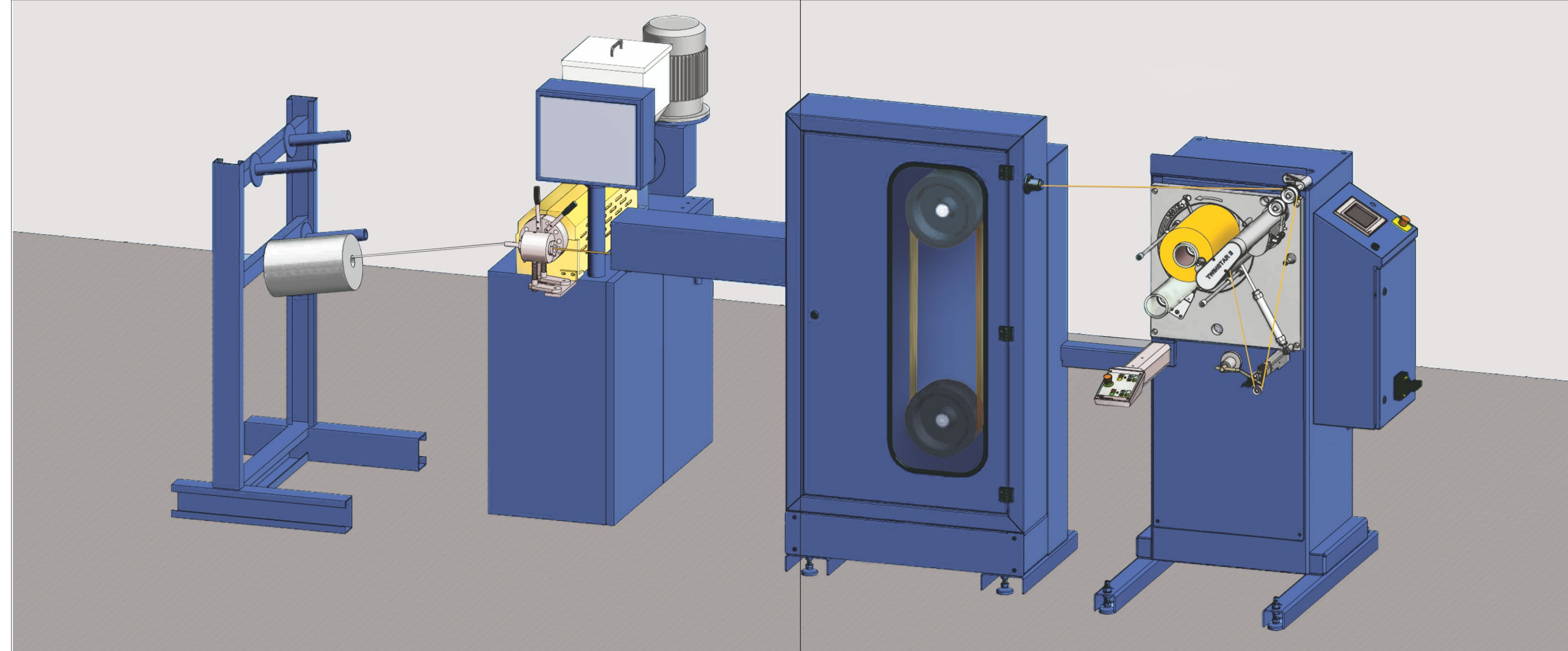
- Fire retardant
- Durable
- Anti-bacterial
- Thermostable
- Low-shrinkage

Main advantages

- Integrated control for complete line
- Operation speed up to 1500 m/min
- Excellent coated yarn quality
 - core yarn centricity
 - smooth surface coating
 - minimized cross marks
- Automatic winder
 - metered yarn length
 - automatic bobbin change-over
 - continuous production
- Minimized space requirement
- Minimum waste - only during line start-up

Your benefit

- Short ROI period
- Highest efficiency and productivity
- Excellent coated yarn quality
- Optimum basis for following processes
- Strong technology support
- Operator convenience in operation and maintenance
- Combination of proven components



Components

- Creel with yarn tension unit
- Extruder with die head assembly
- Cooling device with water bath (chill unit)
- TWINSTAR II Automatic Precision Cross Winder
- Central control with monitoring system of all machine and process data
- Online quality control and monitoring system



Extruder



Chill unit



Winding and optional automation