

➔ Stretch breaker S200

Technical characteristics*

| | |
|----------------------------|---|
| Uses | Stretch breaking of tows of chemical fibres packed in cartons or bales |
| Filament fineness | 0.8 to 17dtex |
| Feed | Creel safety and over tension systems. Possibility of doubling until 2 tows |
| Feed load | Up to 200ktex (PAN 3.3dtex) |
| Delivery | In 1 can Ø 1,200 – 1,000 – 800 or 700mm height 1,200 – 1,000mm, automatic can changing without stopping the machine |
| Pressure rollers | Ø 280 x 400mm |
| Breaking cylinders | Ø 75mm |
| Tension cylinders | Ø 150mm |
| Mean fibre length (height) | 80 to 150mm |
| Sliver weight | 25 to 45ktex |
| Delivery speed | Up to 400m/min according to the tow |
| Compressed air | Pressure: 6bar Consumption: 10Nm ³ /h |
| Steam (saturated, dry) | Consumption : approx. 100kg/kg fibres |
| Cooling water | Flow: approx. 4m ³ /h Input temperature: 15°C Pressure: 2.5bar Capacity: 70Mj – 16kfrig/h |
| Main motor power | 75kW – AC motor with frequency inverter |
| Heating power | 48kW |
| Total installed power | 131kW |
| Machine | Weight: 11,200kg Length: 14m Width: 2.8m |
| Options | Tow splicer, finish applicator, interface to data collection system |

*Subject to modifications

➔ www.nsc-fibretoyarn.com

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Tow to top for:

- Preparation of knitting yarns ✓
- Hand-knitting yarns ✓
- Blankets yarns ✓
- Carpet yarns ✓

The addition of the talents for your success

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nsc
fibre to yarn

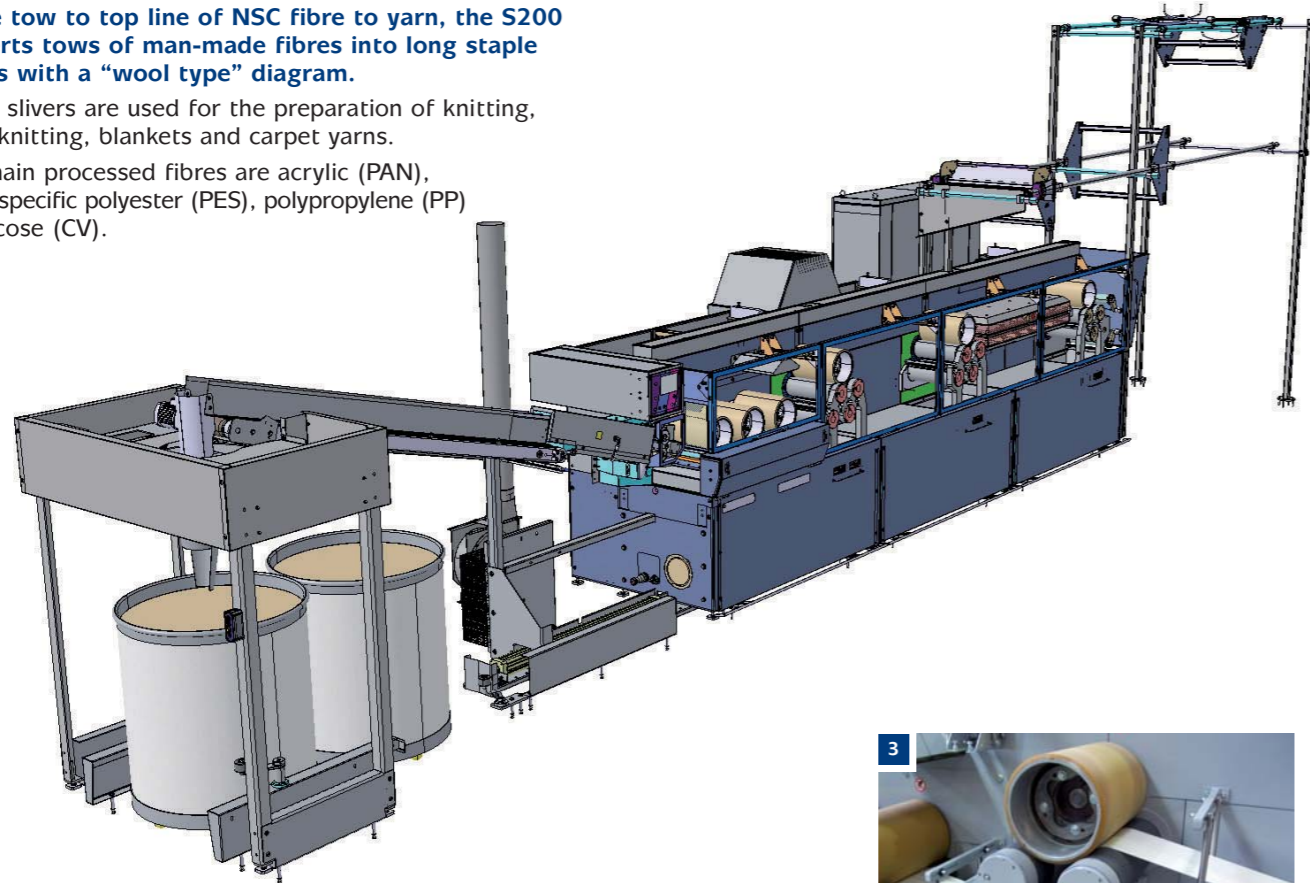
nsc
fibre to yarn

S200 The competitive stretch breaking of the man-made fibres

In the tow to top line of NSC fibre to yarn, the S200 converts tows of man-made fibres into long staple slivers with a "wool type" diagram.

Those slivers are used for the preparation of knitting, hand-knitting, blankets and carpet yarns.

The main processed fibres are acrylic (PAN), some specific polyester (PES), polypropylene (PP) or viscose (CV).



The S200 stretch breaker presents high advantages:

New concepts, new quality standard

High reliability and low maintenance

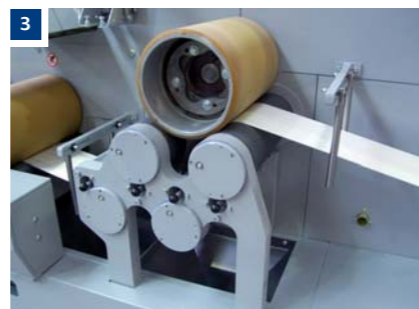
Low power consumption



Feeding by up to 2 tows with safety in case of overloading and overtension.



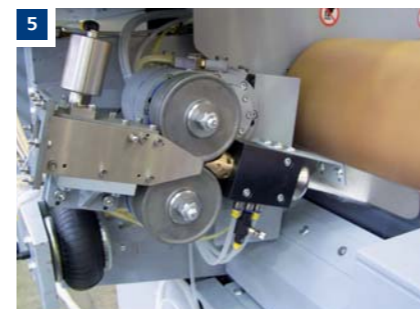
Man/machine dialogue at the control panel via a touch type screen terminal giving access to the functions of recording, speedometer, display, adjustment and help in diagnosis.



New design of tension blocks.



Heating plates with more power for higher shrinkage.



Crimping box.



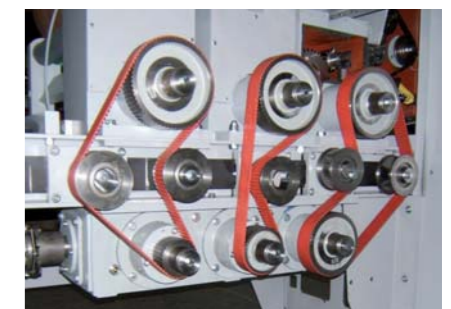
The final breaking on three heads with:



New design of cooling and delivery unit.



• Pneumatical pressure on cylinders.



• Transmission by timing belts.