TRANSFORMING FIBRE INTO YARN THE LATEST INNOVATIONS FROM NSC

Textile manufacturers around the world are being challenged to achieve more cost efficient production. Manufacturers are also under increasing pressure from their customers to provide environmentally friendly certified products throughout the production pipeline. To achieve these goals manufacturers are installing new machinery that is more cost effective and environmentally friendly, as well as upgrading their existing machinery with innovate new parts.

True to the company philosophy in innovation this year the company unveiled a new worsted card. The GN8 intersecting machine was specially designed for very fine high end fibre such as silk, yak and cashmere. (See separate article about GN8).

In the last 18 months the company has been busy supplying other new equipment and upgrading existing machinery for a number of fibre processors around the world. 'Customers today appreciate that to stay competitive they need the latest textile machinery available. The machinery that is user friendly, highly automated, saves money on energy and has low operational and maintenance costs and is therefore more cost effective. To achieve savings we definitely see new machinery as a preferred option. Our customers that have upgraded to the latest models experience a faster turn-around, better quality outcome and more trouble free production', says Patrick Strehle, Commercial Director at NSC whose head office is in Guebwiller France.

As an example Mr Strehle points to is the latest ERA combing machine. 'This latest machine has a very high production capacity. It combs at more than 50kg per hour for a 21/22 micron wool and in recombing 2.5 - 3 kg per hour for grey wool. This machine guarantees a high quality of combing and is very gentle to the fibre. It can increase productivity by 25%.

All NSC fibre to yarn machinery is equipped with highly efficient motors (class IE2) for engines with 0.75 to 375kW. This is fully compliant with a new directive by EuP Technical Europe Lot 11 that supports the new IEC 60034-30 standard classification performance of electric motors. Also high in demand is the GC30 chain gill, with a delivery speed that reaches 600m/min. The D3/D5 GC30 blender defelter is a GC30 with a defelter and blending zone, can also be equipped with an electronic autoleveller.

'We have developed textile machinery with the latest technology for a variety of customer needs including small and big operations. We are well positioned to deliver customers fully integrated systems and deliver complete production lines from fibre opening and blending to finished bobbins. We work with other leading machinery manufacturers to supply specific equipment that is not in our product range but is complementary to it, and we manage installation from start to finish. We provide our customers guarantees and assurances', says Mr Strehle.

'After sales service and customer care is also an integral part of our business. We have representatives in many key locations around the world. We provide a friendly, fast, and meticulous spare parts service using genuine manufacturer's spare parts. Our after sales team are expert in all technical issues and we can provide training courses for our customers' staff. We also offer programs in audits for existing machines, kits for machine renewal and ongoing maintenance programs.'

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Patrick Strehle with a new gills being assembled at nsc factory in Guebwiller, France for a customer in eastern Europe

ERA COMBING MACHINE

- > Progressive combing, uniform speed of circular comb, pinned on 360°
- > Reduced amplitude of carriage and detached rollers in motions
- > Very high quality tops
- > High productivity, more than 50kg/hr in 21/22 wool
- > Textile adjustments from machine screen or centralised
- > Memorised recipes for work parameters and easy reproduction
- > Decrease in operational and maintenance costs
- > Possibility of machine interconnection and remote adjustments
- > Telediagnostic (optional)

CA6 AND CA7 SEMI WORSTED CARD – ONE OF THE MANY TOP MAKING MACHINES OFFERED BY NSC FIBRE TO YARN - FROM ITS INNOVATIVE PRODUCTION RANGE

- > For all types of wools
- > 2.5 to 3.5m working width
- > CA7 TRIO card for wools with high VM
- > CXF hopper feeder
- > TRE/TRD drafting head
- > Integrated suction
- > Screen control

NEW DE-DUSTING MACHINERY
MORE ECONOMICAL AND MORE EFFECTIVE

Environmental issues in manufacturing are becoming increasingly important internationally and Tecnomeccanica has many cost saving devices that are being used by more and more manufacturing companies.

'Our de-dusting machinery – dust from plant in top making – is being used as an environmental necessity, but this machine uses half the electricity that the old models used. The greater the automation introduced at all levels of production the greater the savings. The less labour intensive the process is, the greater are the long term savings', says Mario Ploner Commercial Director of Tecnomeccanica Biellese.

'We have recently installed new preparation machines and de-dusting machines at Kahvol in Belarus, and in Indorama in Thailand. These machines reduce contamination from scoured wool and this is especially relevant to processing plants that use Eastern European wools with significant amounts of contamination. The benefit that these machines afford at the scouring level is significant', says Mr Ploner.

New de-duster developed by Tecnomeccanica - installed in Indorama Thailand and Kahvol Belarus. For more information please contact Mario Ploner at mario@tbsrl.it or www.tbsrl.it