

**SSM** **DGF** GIUDICI



Leading technology for yarn processing and winding

## SSM GIUDICI: over 50 years of yarn texturing development

On June 30, 2017, Rieter acquired the SSM Textile Machinery Division (SSM) from Schweiter Technologies AG, Horgen (Switzerland).

SSM is the world's leading supplier of precision winding machines in the fields of dyeing, weaving and sewing thread preparation and enjoys success in individual segments of filament yarn production. SSM comprises the companies SSM Schärer Schweiter Mettler AG in Horgen and subsidiaries in Italy and China. SSM is represented worldwide in all major markets.

SSM GIUDICI is offering a complete and technologically up-to-date range of machines for chemical fibers processing in the areas of false-twist texturizing, air-texturizing, air-covering, assembling-winding and rewinding. Decades of experience and cooperation with our customers have allowed the reaching of the current results and the technical updating of our products in line with the constant economic and technological innovation, as the following brief historical report shows.

### Foundation

GIUDICI company started its activity immediately after the end of the second world war by means of the founder Davide Giudici who, with the help of his sons, produced parts for the maintenance and the modification of twisting machines for silk, whose processing at that time was widespread in the area of the lake of Como. The patent of the cocchetta oscillante, a device that improved the speed and load performance of the spindle for uptwisting machines, enabled the company to grow up considerably. This device permitted to convert silk twisting equipment into nylon twisting machines, hence it contributed greatly to the development of the raising industry of sintetic fibers production in Italy and in Europe



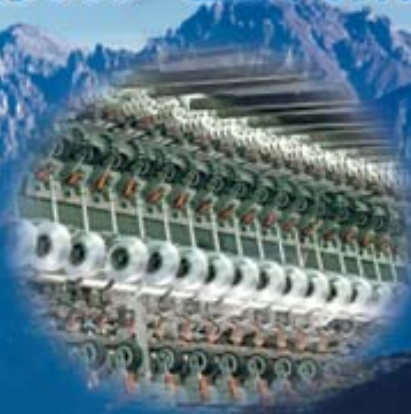
In 1954 Davide Giudici & Figli s.n.c. was established, a company that distinguished itself by the ability to be abreast of the texturizing market evolution and, in many circumstances, to be ahead of the times. In 1954 the first twister mod. Tg1 was produced. For the first time the spindles were installed in a line and not in a arched configuration, as it was common, thus reducing energy consumption. The model TG.3 followed immediately after.

In 1957 GIUDICI introduced its first false twist texturizing machine model TG.2, single heater machine and TG.2 F with two heaters, equipped with simple and reliable false twist spindles. On these machines it was possible to ply S and Z yarns on the same yarn-path thus reducing yarn production costs. This machine model allowed the first success in a fast developing market dominated by foreign producers.

In 1962 the company made its position in the Italian and international market stronger with the introduction of the false twist texturizing machine model TG.4V equipped with inside friction spindles. Thanks to these patented spindles the company expanded succeeding to export a few hundreds machines, mainly to the United States. This machine could reach a production speed of 200 m/min and produced a very good yarn for socks and hosiery knitting, wound on biconical packages that could be used directly without further rewinding.

At the end of the seventies the first false twist machine model TG.10 with modern configuration was produced, that is texturizing heaters were placed in between the creel and the machine body. The piece of equipment, able to produce 5 kg bobbins starting from cops first and then from POY, was equipped with inside friction spindles or alternatively outside friction spindles with discs and reached speeds up to 6/700 m/min. In the eighties the model TG.20 SUPER had better performances and, most of all, a new concept electronic.

GIUDICI - leading technology for false twist texturing



At the beginning of the nineties the series TG.30 was introduced, produced in different versions both for nylon and polyester. In 1995 the series TG.30 A, with individual multiple automatic doffing, was introduced with increasing success. Apart from the production of false twist texturizing machines which has always been the main business of the company, in the eighties the development of air-texturizing machines started. Currently different models are included in the production program as to meet any requirements in this process.

In the second half of the eighties the production of the first air-covering machines for elastomers started. The first model RG.3 succeeded thanks to the rationality of the yarn path and of the machine configuration, as well as due to the easy change of working settings by means of inverters. Since then there was a constant development up to nowadays fully electronic machines of the series RG.6BE. In its history GIUDICI produced, in the late seventies, nylon spinning plants with state-of-the-art technologies that allowed the production of POY yarns, at that time possible for polyester yarns only and with the capability of producing mass dyed yarns.



Fields of activity



SSM DG<sub>F</sub> GIUDICI

Dye Packages Rewinding



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Air Texturing



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False Twist Texturing



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Air Covering



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Draw Winding



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Assembly Winding



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Yarn Singeing



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Sewing Thread Finish Winding



Conventional Covering



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