



## Twisting technology from SAVIO

SAVIO has been a force in twisting technology since the 1950s, creating a wide range of two-for-one twisters for different market requirements. SAVIO twisting machines have continuously responded to the demands of customers looking for high quality but with a significant reduction in labour and energy utilisation. Besides, customers also place great importance on maintenance time and costs. SAVIO's response has been to create models with a high structural standardisation, but with a wide range both for feeding and spindle dimensions for every yarn type and count to optimise performance across applications. SAVIO has always offered state-of-the-art electronic solutions to simplify operator intervention and reduce maintenance.

### **SAVIO India Limited**

In 2008, SAVIO established its unit near Pollachi, India, for manufacturing two-for-one twisters with Italian technology. The aim: providing world class SAVIO products, both for the local and export market, from a modern manufacturing facility in one of SAVIO's key markets.

SAVIO India caters to the twisting market with SIRIUS, a high-end twister; and COSMOS, a simplified twister with fewer options but with the same working principle as SIRIUS.

### **SIRIUS – the high-end TFO twister**

The new generation of two-for-one twister, SIRIUS, was introduced at the ITMA ASIA 2010 fair. The key features of SIRIUS are:

#### **Electronic Drive System (EDS)**

SIRIUS is equipped with independent motors and inverters which help in setting all process parameters via a touch screen, giving full flexibility to the operator. The simple touch screen PC allows the mill operator to change settings easily – the operator can access every possible combination of parameters in order to reach the best output.

#### **The spindle**

The spindles have an optimised shape that guarantees less power consumption and maximum feed content. These spindles have lubricated top bearings that last a lifetime, with special dustproof protection. Yarn tension can be adjusted with six different positions - interchangeable spring pistons for different counts and materials.

#### **Tangential drive**

The tangential drive system offers less weight variation from package to package, along with a reduced noise level.

#### **Package cradle**

The package cradle is designed for optimum package formation and to eliminate package vibrations even at high take-up speeds. It requires no tools for settings.

#### **The Duo Pot system**

This new system has separate directions of the two yarns that only join at the point of control of the tension. The Duo Pot system uses standard packages 1°30' - 3°30' - 4°20' - 5°57' with a 152 mm traverse. An advantage of the Duo Pot is the flexibility to use different counts, materials and colours. It is equipped with a patented brake device that brakes the unwinding of the lower package as well in case of a yarn break in the upper package, so as to avoid twisting of only the single lower package yarn.

Furthermore a package lifting device, pneumatic threading, a second overfeed roller and a waxing device are optional features available to further turbo-charge the SIRIUS.

