

Happy Birthday, WINGS

Two years ago, the Oerlikon Barmag concept revolutionized POY spinning plants

WINGS – two years ago, Oerlikon Barmag's new POY winding machine was the hot product at the ITMA in Munich. This innovative concept – which enabled the elimination of a complete operating level in multi-storey spinning systems for the very first time – was the talk of the town. But what is so brilliant about the concept? The draw field is integrated into the winder. What was initially viewed with skepticism, has now firmly established itself: in the two years since the market launch, more than 3,000 WINGS machines have been sold and more than 700 positions commissioned with the new concept. So, it is now time for an initial resumé.

Initially, the apparent advantages of the new concept lay on the investment side: the space requirement for a spinning system equipped with the WINGS technology is considerably lower, as – in addition to the absent operating level – WINGS can be assembled in a zigzag layout. This increases the yarn production per square meter of floor space by up to 30%.

The WINGS system leaves the Remscheid-based assembly halls as a completely-tested plug & play unit. The benefit for the customer: the system can be put into operation a matter of hours after being delivered to the installation site. The fact that these are not empty promises has been proven by the commissions to date. "A sensational system - WINGS really impressed us at the ITMA 2007. We immediately decided to purchase the new concept after its market launch. Although this always brings a certain risk with it, I have to admit that after the system has been running for a year in our production facility, WINGS has kept its promises", summarized TongKun CEO, Chen Shiliang, commenting on his experience to date.

A further advantage of the plug & play unit is that it is very easy to operate. As a result of the lower system height, the string-up process can be carried out by a single operator. And this in a quarter of the time that an experienced operator requires in the case of a conventional spinning system. "After a power outage, one of our customers managed to string-up its system with 288 positions in just 3 hours. This normally requires 12 hours in the case of a conventional POY system", comments Oerlikon Barmag's Head of After Sales Services, Marcel Bornheim. This

quickly translates into profit for yarn manufacturers.

And a look at the yarn data reveals that the economic and qualitative benefits of WINGS do not have to be mutually-exclusive. The yarn is guided in almost identical angles of deflection to the package within the position. Yarn discrepancies that are caused by unequal friction resulting from different angles are now a thing of the past with WINGS.

Furthermore, the measurement data produced with the first operating POY systems equipped with the WINGS technology reveal that the energy consumption is considerably lower than is the case with conventional spinning systems. According to measurements conducted to date, the energy savings are up to 30%. In times of ever scarcer, and correspondingly more expensive, energy resources, this is a major factor.

WINGS 2010

WINGS elevates. Not only the production of the yarn manufacturers, but also the spirit of its inventors. To this end, the Oerlikon Barmag engineers have launched a new release on the occasion of the system's second birthday. WINGS 2010 can now also be used for titers of up to 400 denier final. For this reason, WINGS now covers the broadest range of manu-



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factured POY filament yarns and provides yarn producers with greater flexibility. Above all, the winding machine has been optimized in the areas of maintenance, the string-up and the operation window. And all the measures are extremely user-friendly as well.

Visually, the winding machine has moved from its revolutionary red to an elegant black – WINGS is no longer "new", it has become a permanent fixture that has firmly established itself in the market after only two years. "I believe that conventional arrangements have become obsolete within POY spinning plants. The future belongs to the WINGS concept. I have already placed two further orders", comments Tongkun Vice President, Xu Jinxiang.

The engineers at the Remscheid-based textile machine maker see this in a similar light. To this end, the operation window opened by WINGS is being continually examined with regard to other applications. ♦

An Honor for Dr. Faheem Uddin to meet Nobel Laureates

Dr. Faheem Uddin, C. Text., FTI, is being invited to meet four NOBEL LAUREATE (G. Ertl (2007), J. M. Lehn (1988), R Tsien (2008), A. Yonath (2009)) along with six more international renowned scientists in a Celebrity Symposium to be held in Paris, France on the occasion of 10th anniversary of ChemBioChem and ChemPhysChem. The symposium is organized by Wiley- VCH and the Chemical Society of France on behalf of ChemPubSoc Europe, a consortium of 14 Chemical Societies.

Dr. Faheem Uddin is Fellow of The Textile Institute and has authored several highly circulated papers that emphasized the utilization of Pakistani's natural resources in fibers and polymer finishing.

He is an invited author of several reputed research journals including Pakistan Textile Journal - leading textile trade publications for the textile and clothing industry.



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