

Oerlikon Schlafhorst

## **The new BD 416**

### **More performance, more quality**

**Mönchengladbach, July 2008**

**The new BD 416 is a masterstroke of the Oerlikon Schlafhorst engineers. A combination of intelligent features will pay you dividends on a daily basis, by a better yarn quality, more productivity and a higher process reliability.**

#### **Optimum aerodynamics for the best yarn**

The air concept of the BD 416 offers advantages for all yarn counts and raw materials. The BD 416 makes the maximum use of the power of air. The aerodynamic tuning of the NSB 38 spinbox guarantees the optimum fibre guidance and trash separation. The EVA Electronic Vacuum Adjustment ensures that vacuum for the trash suction is consistently correct. Thanks to its ingenious control by means of frequency inverters, the BD 416 is the only machine of its class that guarantees a consistent and reproducible pneumatic trash removal.

#### **Burmester – piecing precision in every detail**

The proven Burmaster technology is experiencing extensive improvements with the new BD 416. Both the fibre feed with Single Drive Sliver Intake and the fibre feed after piecing are now even more precise. Thanks to SSI, no additional removal device for waste fibres is needed for Burmaster BM 2+ – nor any compressed air. This is because fibre damage such as occurs on other systems is eliminated on the BD 416. For the spinning mill, Burmaster BM 2 + means: maximum fibre protection, higher piecing reliability and a consistent and reproducible piecing quality, from the first to the 416<sup>th</sup> spinning position.

#### **Faster and longer for more productivity**

With up to 416 spinning positions and with take-up speeds of up to 200 m/min for all machine lengths, for all angles of wind, for smooth and also for fancy yarns, the BD 416 achieves up to 50 % more productivity than conventional machines of this class. The

Page 2 machine width is 30 % below the width of comparable machines and the machine is shorter as well.

### **Joint Spinning In even more efficient**

Oerlikon Schlafhorst engineers did an excellent job also with the optimisation of the automatic mass piecing Joint Spinning In. Thanks to a new power control software and an optimised synchronisation of the processes, the BD 416 achieves an outstanding piecing reliability of 95 %. Corolab Q guarantees the high piecer quality. The intelligent yarn sensor system respects all characteristics of a piecer and enables the operator to configure the piecer quality as necessary.

### **All-embracing process control and easy handling**

The transparent machine design allows for a quick access to all components. Thanks to a new mechanism, it is possible to close the spinboxes using one hand only. New diodes at every spinning position display the individual production status clearly visible even from a distance. This reduces inspection patrols of the operators. The data handling of the machine is impressing as well. In addition, the BD 416 is equipped with the electronic setting system IDS (Intelligent Drive System), proven already for the Autocoro. There is no time-consuming exchange of change gears, the operating personnel sets all production parameters, speeds and quality parameters at the machine display with not more than three clicks, even while the machine is in operation.



*BU: The new BD 416*

Page 3 Photos regarding the Oerlikon Schlafhorst products are to be found here.  
<http://www.mediawarehouse.saurer.com>

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**About Oerlikon**

*Oerlikon (SWX: OERL) is one of the world's most successful high-tech industrial groups, specializing in machinery and plant manufacture. The company is synonymous with leading industrial solutions and advanced technology and is active in the six segments textile machinery and plant manufacture, thin-film solar, thin film coating, drive, precision and vacuum technology. Originally established in Switzerland and with a tradition stretching back 100 years, Oerlikon is now a global player employing more than 19,000 people at 170 locations in 35 countries and generated turnover of CHF 5.6 billion in 2007. It occupies the number one or number two slot in its respective markets and invested just under 5 % of its turnover in research and development (CHF 274 Mio.).*

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