

Schmitt Europe Launches the New SB-5500 Balancing and Acoustic Emission Controller at GrindTec 2010

Schmitt Europe, Ltd., (a division of Schmitt Industries, Inc.,) is pleased to announce the launch of its new SB-5500 balancing and acoustic emission (AE) controller at the GrindTec 2010 tradeshow in Augsburg, Germany, on the 17th to the 20th of March. The SB-5500 will be shown by Schmitt's south German agent **IS Zubehör GmbH** in **Halle 7, Stand Nr 740**.

The SB-5500 is the latest addition to the world leading SBS line of dynamic grinding wheel balancing and acoustic emission monitoring products. The use of balancing and acoustic emission technologies is critical for machine tool manufacturers and end users, who need to reduce costs by increasing throughput and improving product quality by optimizing the grinding process. With over 20 years of experience in the industry, Schmitt's new SB-5500 controller strengthens its place as the premier supplier of balancer products.

The SB-5500 is a new advanced balancer control platform appropriate for all grinding machines. It features a larger, high resolution display, digital electronic design, enhanced communication options, four channel capability and 24V DC or universal input AC power supply. Options also include basic acoustic emission analysis for gap and crash detection and enhanced acoustic emission analysis capability. This features frequency signature analysis and full integration of frequency data into any CNC program.

The SB-5500 is a modular controller that can be supplied with one-to-four plug-in electronic cards allowing multiple machines or devices to be monitored and controlled. These plug-in electronic cards include the: **SB-5512** internal or external balancers with cable connection; **SB-5518** Hydrokompenser fluid chamber balancers; **SB-5522** Acoustic Emission Monitoring System (AEMS) gap-crash for grinding and dressing monitoring; **SB-5532** internal or external balancer with "no cable" connection (non-contact balancers); and the **SB-5543** manual balancer, allowing operators to position a mass on the flange to balance the grinding wheel.

The SB-5500 is compatible with all existing SBS balancers, AE sensors and cables, and boasts a new colour TFT LCD display that can be fitted either as an **Attached display** on the SB-5500 controller, a **Remote display** panel for facial mounting, or as a **Virtual display** to run on grinder CNC/PLC screens.

Other new features of the SB-5500 include enhanced communication to grinding machine controls with the addition of **Profibus**, **Ethernet** and **hardwire interfaces**, an improved temperature operating range and new DC power supply option (21-28V DC), simplifying the integration of the SB-5500 into machine builders' control panels. In addition, a Chinese language feature is offered to support the huge growth in the Chinese grinding machine market, complementing the existing English, German, French, Italian, Spanish, Swedish, Polish and Russian language user interfaces.

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