

Press Release July 31th, 2007

SMIT TEXTILE new “920 SERIES” on display at ITMA 2007

At ITMA 2007 – Munich - Hall B6, Booth 105 / 202 - SMIT TEXTILE will present the new “920” series of gripper weaving machines - GS920 for flat fabrics, GS920 F terry version, GS920 T for technical fabrics - and the air-jet model JS900. These innovative weaving machines are designed according to the “SMART Platform” (Smit Mechatronic Architecture Reference Technology). It is the newest and comprehensive modularity concept that involves the whole SMIT TEXTILE’s machines project - mechanical, electronic HW & SW and communication systems - and includes an advanced electronic shedding drive.

Fully responding to the “Place of Innovation” slogan appointed for ITMA 2007, SMIT TEXTILE will join this international stage presenting its latest weaving machines generation, the “920” series, a vanguard development of the modular structure that characterize SMIT TEXTILE product design strategy.

Versatility and **Productivity** are boosted up by the perfect synergy between the innovative “920” series features and the recognized textile advantages of SMIT TEXTILE weaving technology.

SMIT TEXTILE new “920 Series” highlights:

- **new mechatronic controls** of weaving functions (weft management, lateral binding, shed formation, auxiliary functions), allowing the “**digital tuning**” of the machine by the operator from the control monitor
- **new full touch screen control monitor**, with 12.1” TFT technology, Open System standards, CAN BUS protocol, USB, **Internet, wireless networking interfaces**
- **new main motor drives for minimal energy consumption** and highest torque, to ensure the best fabric quality in any weaving style
- new sturdy machine structure, new distribution of mechanism masses for the **greatest stability and the most effective reduction of dynamic loads on the base.**

New Gripper weaving machine for the highest versatility

The new **GS920 model** combines the “920” series innovations with the advantages of the “**SMIT GRIPPER SYSTEM**” characterized by “**dynamically controlled**” flexible rapier technology, in which SMIT TEXTILE holds undisputed leadership.

Beside the new **mechatronic solutions**, based on the **SMART Platform** electronic architecture:

- new false selvages and leno electronic control
- the **EWS Electronic Weft Selector** with modular construction up to 8 or 12 colours
- the **EWC–A Automatic Electronic Weft Cutter** with “**self-adapting**” regulation of optimal cutting conditions, SMIT TEXTILE discloses the **TWIN DIRECT DRIVE**, an advanced machine and shedding drive characterized by highly stiff drive trains that ensure minimal vibration and noise level, low maintenance, minimal energy absorption and heat dispersion, allowing shed electronic setting and programming.

New Terry weaving machine to widen creativity in high-end terry sector

Thanks to the “SMART Platform” design strategy, the new **GS920 F**, combines the “Dynamic Pile Control” - distinguishing SMIT TEXTILE terry technology - with the new structural and mechatronic releases of the “920” series. Further specific innovations characterize the GS920 F machine and extend the functional merits of this machine:

- **New pile and ground warp control systems:** for excellence in pile evenness and weight stability; for top productivity
- **New lateral and central tuck-in selvages** specifically designed by SMIT to achieve the best synergy with the “dynamic pile” system.

GS920 T: Customized and Optimized solutions for Technical Fabrics

The SMART Platform modularity concept developed for the “920” series allows major customizations. The most favourable configuration of gripper weaving machine **GS920 T for Technical Fabrics** is **driven by Customer’s specific application needs**, ensuring always perfect suitability for every application with excellent insertion rates. Optimal yarn control ensures superior fabric quality and high productivity in technical fabrics such as: high-precision printing, screening and bolting cloths; airbags; industrial and heavy fabrics; conveyor belts, glass, aramid and carbon fiber fabrics.

Advanced features on the Air Jet weaving machine

The JS900 air jet weaving machine, takes from the same modular architecture the most advanced subsystems, to meet top performance requirements, ensuring maximum productivity, absolute operating reliability, top fabric quality.

- **Automatic pick finding system with sley at rest.**
- **Weft insertion available up to 6 colours**
- **Full electronic control of airflow** through main and auxiliary nozzles for the **lowest air consumption** are the JS900 functional strengths that ensure top competitiveness over time.

Global competitiveness and world-wide Customer Services

ITMA 2007 exhibition will highlight once more **SMIT TEXTILE's** commitment to match the Customer trust and expectations with its product innovation together with a comprehensive range of customer pre-and after-sales support services and original spare parts availability.

Welcome to ITMA München 13th – 20th 2007, SMIT TEXTILE Booth no. 105/202, Hall B6

SMIT TEXTILE weaving machines on show:

At SMIT TEXTILE's Booth no. 105-202, Hall B6

- Rapier weaving machine GS920 2.2 m weaving Premium Denim
- Rapier weaving machine GS920 3.6 m weaving Luxury Curtains
- Rapier weaving machine GS920F 2.6 m with Stäubli Jacquard weaving High-end Terry Towel
- Rapier weaving machine GS920 2.0 m weaving Poly-Cotton Fashion Apparel
- Air-jet weaving machine JS900 2.2 m weaving High Fashion Woollen Apparel

Further SMIT TEXTILE machines on show:

- Rapier weaving machine GS920 1.9 m weaving Jacquard Pure Silk Neckwear at Stäubli Booth no. 230, Hall B5
- Rapier weaving machine GS920 2.2 m weaving High Fashion men's Woollen Apparel at Eltex Booth no. 369, Hall B4
- Rapier weaving machine GS920 2.6 with Bonas Jacquard weaving One-Piece-Woven Airbags at Locati Booth no. 373, Hall B5



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