

September 8th, 2008



## SMIT TEXTILE ON EXHIBIT AT CINTE TECHTEXTIL SHANGHAI, 20-22 Oct 2008

*SMIT TEXTILE offers a complete range of optimal weaving technologies and solutions, ensuring best quality and maximum productivity in a wide range of technical textiles, from glass and carbon fabrics to industrial and heavy clothes, from conveyor belts to bolting clothes, from air bags to aramid protective fabrics.*

### SMIT TEXTILE new "920 Series" highlights

SMIT TEXTILE presents the new GS920 series of rapier weaving machines designed according to the newest and comprehensive modularity concept that involves the whole SMIT TEXTILE's machines project - mechanical, electronic HW & SW and communication systems.

The new GS920 features allow to further enhance versatility and productivity, that represent the "plus" of SMIT TEXTILE machines. The special design and the high quality of construction and components of GS920 machines become key strength to operate in the specialized application sector of technical fabrics.

The compact and deformation-free machine construction, together with special take-up and let off controls ensure optimal warp yarn load, superior fabric quality and high productivity.

The **new DIRECT DRIVE** control, with "high response" motor, flange-mounted on the main machine shaft, features:

- Instantaneous start-up **for top fabric quality**
- Simplicity of machine lay out, highly stiff drive trains for **top performance**
- Low energy consumption and low heat production
- Low vibration and noise level

The new **SMIT Gripper System** ensures the highest versatility and stable operations for every type of weft yarn, for mono- and multi-filaments, for all the range of mineral and synthetic fibers, for any delicate or coarse yarn.

Some example out of the whole range of SMIT TEXTILE weaving machines application are:

#### **Glass fibres**

Minimum stress on warp ensured by:

- front shed designed to avoid friction points
- hard chromium plated press rollers to resist fibre glass wearing

Regular weft insertion thanks to:

- special grippers
- no guiding teeth going through the warp → no friction on the warp yarn
- specific leno binding to avoid fabric distortion

Large range of yarn counts:

- yarn counting ranging above 900 tex
- double warp feeding for increased capacity available

#### **Industrial and heavy fabrics**

- High precision thanks to special let-off and back rest systems for high warp tension in combination with 1000 mm beam flanges.
- High cover factor thanks to heavier, stiffer and stronger sley bar and supports for very dense fabrics
- Dynamic rapier control

#### **Airbag fabrics**

- Highest cover factor with special full width temple for high weft density and low cloth recoiling
- Delicate yarn handling ensured by special press rollers, no guiding teeth and laser warp stop motion to avoid friction on warp threads.

### **Bolting cloth**

- Excellent control of weft density
- Maximum precision in fabric thanks to dedicated sley bar movement , special heald frames movement and minimum back and front shed angle
- Low yarn stress thanks to special control of the weft selector's fingers

### **Aramid fibers**

- Constant fabric properties ensured by special surface coating on all warp friction points
- Knot free sensors
- Grippers with special profile designed to avoid contact between the tape and the warp
- EWC rotating weft cutter

### **SMIT TEXTILE Sales and Service Structure in China**

SMIT provides an extensive range of customer pre- and after-sales support services, from weaving research and processing knowledge to expertise and training courses.

SMIT is always at customer's disposal to offer full technical assistance through its world-wide network or even on-line, via the dedicated e-mail address: *technical.textiles@smit-textile.com*

In order to respond adequately to the challenge of the important Chinese market, SMIT TEXTILE developed its network by opening a Service Centre in Hangzhou-China, that provides customers with weaving trials, training, technical assistance and spare parts supply, highlighting SMIT TEXTILE as **ideal partner for successful investments**.

### **Welcome to SMIT TEXTILE Booth No F40, Hall W5 at CINTE Techtexsil 2008 - Shanghai**

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