

## Press release Terrot GmbH

### ITM 2012 Istanbul Textile Machinery Exhibition

ITM Texpo Eurasia 2012 Exhibition to bring together the world's leading textile technology manufacturers in Istanbul is organized on 21-24 April 2012 at Tüyap Beylikduzu Fair and Congress Center. ITM International Textile Machinery Exhibition, whose 4<sup>th</sup> edition will be organized in 2012, joined with Texpo Eurasia International Textile, Weaving, Yarn, Finishing, Knitting, Hosiery Machines, Side Industries and Chemicals Exhibition organized every year and is now named as ITM Texpo Eurasia 2012. The synergy to be created with the combination of these two exhibitions will accelerate the recovery trend in the Turkish Textile industry recently improved.



**Dates:** 21 - 24 April 2012

**Venue:** Tüyap Fair, Convention and Congress Center Büyükçekmece, Istanbul Turkey

Terrot as one of the world brand leader is among the exhibitors at ITM 2012. We would like to invite you to visit our **booth 1210/B in salon 12** where we will exhibit machine models Double-Jersey Electronic-Jacquard UCC572 as well as Single-Jersey S296-2 Open Width Frame.

#### Exhibition machine model S296-2 Open Width

Best price-performance ratio in High Speed Single-Jersey for perfect Elastane plaiting. The Open Width device fulfils the raised quality demands for first class Elastane plated knitwear.



S296-2 Open Width Frame - Controlled cutting open of fabric tube



S296-2 knitting head detail

### Machine features in general:

MACHINE TYPE	KNITTING TECHNIQUE	NUMBER OF CYLINDER	NEEDLE TRACKS SINKER CAM	FEEDS PER INCH DIAMETER	MACHINE GAUGES GG	MACHINE DIAMETER IN INCH
S296-2	Single plain Single structures High Speed	4	1	3.2	12-54 44-54 <sup>Ⓢ</sup> <b>NEW!</b>	26-42,

<sup>Ⓢ</sup> on request

### TERROT OPEN WIDTH FRAMES with compact frame for optimised operating

Diameter in inch	26 – 36	Frame size	D5/1
Fabric roll in mm	400	Winding width in mm	2400

The S296-2 offers outstanding flexibility and efficiency in the production of different knitting structures with up to 4 needle tracks. Its ideal distribution of 102 feeds over 32" diameter is proven in practical day-to-day operation.

- Central stitch adjustment guarantees easy handling and short time by changing fabric style
- Fabric quality and stitch design conforms to the highest quality standards
- Number of knitting feeds is always exactly divisible by the number of kit structure repeats, on S296 machines no knitting feed is ever left unproductive
- Main drive power capacity 4,0 KW only against 7,5 KW on competitors machine
- Enclosed needle tracks enable high machine speeds and production output



knitting head S296-2

First-class crease-free fabric quality without selvedge's on the complete width of the fabric originates from the interaction of well-conceived components of the machine in high-class Terrot quality.

- Hardly surpassable **operator convenience** of the open width machine as an option to the basic frame
- Computer-optimised and **ergonomic industrial design** allows an **easy and comfortable handling** of the machine

- **Minimum needed floor space** due to the optimisation of the frame as well as **reduced costs for installation** and introduction of the machine (see set up scheme above)
- The multifunctional Terrot control panel permits the supervision of the machine from **different working positions**
- **Two DC-motors** take down and winding on most even fabric packages



The continuous further developments cause together with an improved efficiency factor of the machines clear advantages in the everyday operation:

- In general **improved handling** and optimised process reliability
- **Good view at the product** by using stable unbreakable plexiglass panes
- **User-friendly** door design, **compact door** rack as well as an **optimised door latch**
- The new designed drive bearing of the whole open width frame achieves **higher machine speeds** (RPM).
- **Easy remodelling** from open width technology to tube form knitting due to conversion kit

#### Machine features exhibition machine S296-2 Open Width Frame:

Diameter in inch	30
Gauge E	50
Number of feeders	96
Number of needle tracks	up to 4
Knitting structure Plain	Single-Jersey Elastane plated
<b>Yarn</b>	Nurel PA6 dtex 33 f28 (den 30 f28) EL dtex 22 (den 20)

#### Fabric application:

- Sports & Leisure Wear.
- Swimwear.
- Technical textiles.
- Home textiles.
- Automotive fabrics.

#### Knitting structure:

2-thread yarn fleece  
 2-sided-fabric  
 Elastane plating  
 Tuck structure  
 Crepe structure  
 Eyelet stitch pattern  
 Needle set-out  
 Piqué  
 Plain Single-Jersey

#### Knitting technique:

Plain Single-Jersey  
 3-Way-Technique  
 Structured Single-Jersey

#### Fabric samples S296- 2 Open Width



#### Exhibition machine model UCC572

Double-Jersey Electronic-Jacquard up to gauge 40

The stringent standard of quality and reliability of Terrot machines achieve its culmination with its Jacquard machine series. The ceramic PIEZO selection elements form the electronic-mechanic interface which reliably implement the knitting information even with extremely fine machine gauge at high speeds. This means for you: highest degree of efficiency, lower costs for wearing parts and thus best performance.

#### Machine features in general:

MACHINE TYPE	KNITTING TECHNIQUE	NUMBER OF NEEDLE TRACKS CYLINDER	DIAL	FEEDS PER INCH DIAMETER	MACHINE GAUGES GG IN INCH	MACHINE DIAMETER
UCC548	Electronic-Jacquard <sup>①</sup>	Piezo needle selection	2	1.6	6-32	30, 34, 38, 42, 48
UCC572	Electronic-Jacquard <sup>①</sup>	Piezo needle selection	2	2.4	14 - 40 <b>NEW!</b>	30, 34, 38, 42, 48

<sup>①</sup> machine available in 2-way-technique or 3-way-technique

<sup>②</sup> on request



UCC572 – Electronic Double-Jersey with **3-Way-Technology**: Based on the well proven knitting technique of Electronic-Jacquard UCC572 the further developed UCC572 presents itself in fine gauge of E 40.

- **DIAL-DROP-CAMMING** system for the cam adjustment (from outside) without removing any cam boxes
- **MULTITERMINAL CONTROLLER** with pattern data input via USB-stick for nearly unlimited pattern capacity
- **Totally freely** controllable cylinder needle selection in 3-Way- Technique
- **Latest PIEZO technology** with "High Speed Actuators" for a perfect MISS-TUCK-KNIT position



Knitting head UCC572

- Due to the knitting principle with 8-step pattern jacks a wide selection time is achieved on fine gauges which ensures **highest reliability and performance in needle selection**
- **Fast pattern changes** thanks to the combination of dial drop-cam and absolutely freely selectable 3-WAY-TECHNIQUE
- Latest developments in **"Elastane plating cams"** opens new application areas, e.g. superfine fabrics for exclusive underwear and outwear
- **Electronic takedown** ensures accurate repeatability and constant fabric tension
- High versatility combined with **computerised jacquard patterns**
- Fine machine adjustment with **one hand lever** on standard (3 levers on option)

#### Machine features exhibition machine

Diameter in inch	30
Gauge E	40
Number of feeders	72
Number of needle tracks	2 tracks in dial
Knitting structure	Electronic-Jacquard

<b>Yarn</b>	PES dtex 35 f24 (den 31 f24)
	PA66 dtex 33 f10 (den 30 f10)
	Lycra® EL dtex 44 (den 40)

**Knitting structure:**

2-sided-fabric  
Spacer fabric  
Elastane plating  
Elektronic-Jacquard  
Tuck structure  
Crepe structure  
Eyelet stitch pattern  
Mesh  
Needle set-out  
Piqué  
Blister  
Lay-in yarn fabric  
Plush needle  
Waffle/Thermal

**Knitting technique:**

Electronic-Jacquard  
3-Way-Technique

**Fabric application**

- Sports & Leisurewear.
- Swimwear.
- Automotive fabrics.

**Fabric sample UCC572**