

TECHNICAL SALES INFORMATION

ITMA 2011 Barcelona

22.09. – 29.09.2011

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I3P284-1

8-lock for Fine Rib and Interlock and modified
knitting structures

Exhibition Machines

I3P284-1

SCC6F548

S296-2 Open Width

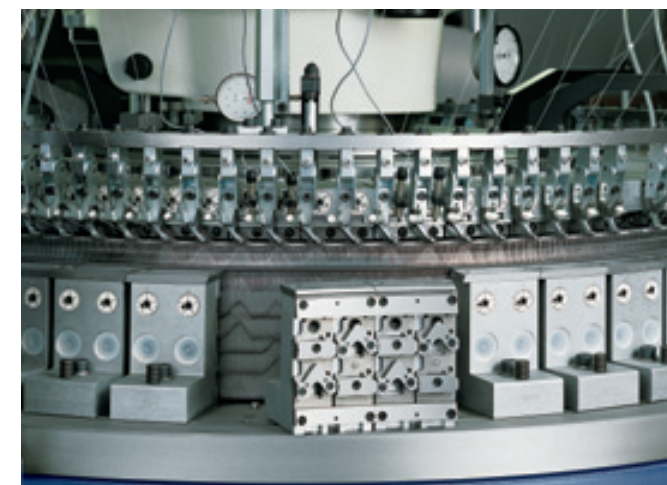
UCC572T

UCC572

UP592M

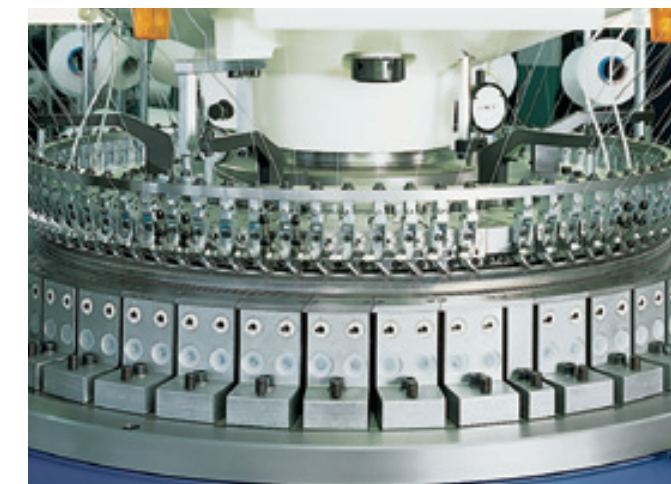


This latest development of the 8-lock model I3P284-1 in fine gauges E40 – E50 offers a wider range in knitting structures thus rib and Interlock stitch formations can be combined to new fabric structures.



- **special shaped cams** for various stitch structures guarantee an outstanding performance and wide range of application
- easy adjustable mechanism for fine adjustment of needle gating for Interlock or Rib
- change from synchronized to delayed timing by adjustment of the corresponding cam version
- **QUICK CHANGE** – simple change of gauges in the range of E18 – E50 offers more flexibility for a quick adaption to market and fashion trends

- **TERROT CONTROL PANEL** permit the easy reproduction of settings
- Terrot **motorized take-down** for absolutely constant take-down tension
- dial drive and cylinder bearing (patented) supported in oil bath with maximum concentricity precision results in utmost fabric quality in spun and especially for critical synthetic yarns



I3P284-1, 30“, E40

Number of feeders	84
Machine speed / RPM	20
Number of needle tracks	2 cyl. + 2 dial
Knitting structure	Double Face
Yarn	CO Nm 170/1 (Ne 100s) PA66 dtex 33 f10 (den 30 f10) PA dtex 22 f7 (den 20 f7)

Unfinished fabric weight in g/m ²	85 g/m ²
Unfinished fabric width in cm	95 cm tube (190 cm open)
Production output in m/h	13,4 m/h
Production output in kg/h	2,2 kg/h

Fabric application

Sports and Leisurewear. Underwear. Swimwear. Medical textiles. Automotive fabrics. Home textiles.

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SCC6F548

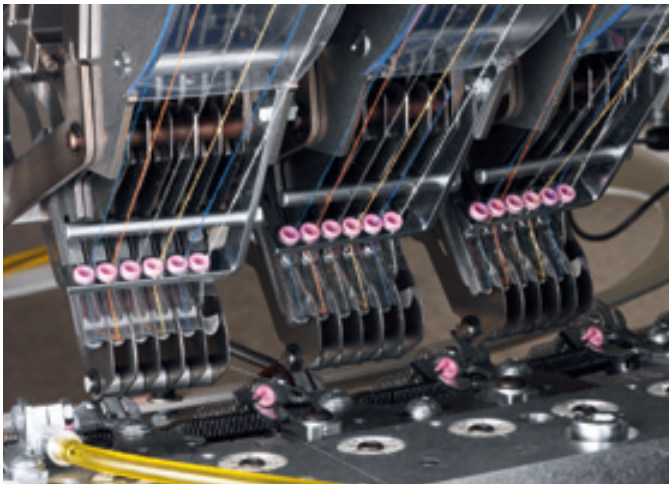
Electronic Single-Jersey Jacquard with 6 colours

Striper Technology in Single-Jersey has already a very long tradition at Terrot – up to 6 colours stripping in addition with the combination of 3-Way-Technique and the new developed fine gauge E36 which open new trends in fashion.



- electronic needle selection combined with the latest **Striper technology** for a wide range of application and knitting structures
- **conversion equipment** for an easy modification from Mesh to Intarsia technology
- **PIEZO technology** guarantees a reliable needle selection especially on fine gauges together with a high production efficiency
- **3-WAY-TECHNIQUE** for positioning the needle in **KNIT-TUCK-MISS** offers diverse knitting structures

- pattern controller **Multiterminal** and striper controller with USB-interface
- **Terrot motorized fabric take-down** for constant fabric tension and perfect horizontal rolling up of the stripped fabric
- **MET 5000** – modern pattern preparation software for an easy implementing of e.g. 6-colour-range, free 3-way-needle selection and Elastane plating



SCC6F548, 30“, E36

Number of feeders	48	Unfinished fabric weight in g/m²	69 g/m²
Machine speed / RPM	18	Unfinished fabric width in cm	106 cm tube (212 cm open)
Knitting structure	Single Jacquard (6 colours)	Production output in m/h	22,3 m/h
Yarn	Lenzing Micromodal/CO 50%/50% Nm 100/1 (Ne 60s) 6 colours	Production output in kg/h	3,3 kg/h

Fabric application

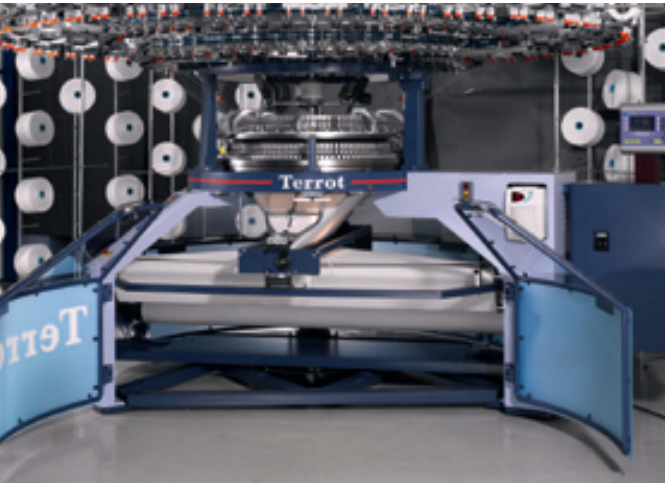
Sports and Leisurewear. Underwear.

S296-2 Open Width

High Speed Single-Jersey meets compact Open Width frame

Best price-performance ratio in High Speed Single-Jersey combined with the Open Width device that fulfils raised quality demands for first class elastane plated knitwear.

- outstanding flexibility and efficiency in the production of different knitting structures with up to **4 needle tracks**
- **redesigned cam boxes** with positive needle guidance in cam curve for a precise stitch forming process
- enclosed needle tracks enable high machine speeds and production output
- **COMPACT OPEN WIDTH FRAME** for enhanced operating convenience and easy access to the knitting head



- first-class crease-free fabric quality without selvages on the complete width of the fabric
- **QUICK CHANGE** – easy remodelling from open width technology to tube form knitting due to conversion kit
- operator-optimised and easy removal of the fabric roll
- **Terrot motorized fabric take-down** provided by 2 motors for a constant fabric tension

S296-2 Open Width, 30“, E50

Number of feeders	96	Unfinished fabric weight in g/m²	108 g/m²
Machine speed / RPM	27	Unfinished fabric width in cm	147 cm open
Number of needle tracks	up to 4	Production output in m/h	36,2 m/h
Knitting structure	Plain Single Elastane plated	Production output in kg/h	5,7 kg/h
Yarn	Nurel PA6 dtex 33 f28 (den 30 f28) EL dtex 22 (den 20)		

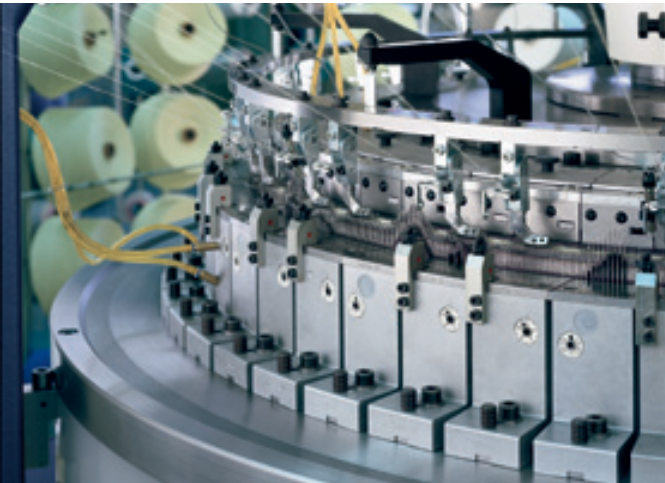
Fabric application

Sports and Leisurewear. Home textiles. Technical textiles. Automotive fabrics. Swimwear.

UCC572T

High feeder Jacquard-Transfer stitch machine
with 3-Way-Technique needle selection

The Production of transfer fabrics on the latest developed Electronic-Jacquard machine UCC572T offers highest production output at utmost efficiency.



- increased efficiency by the effective use of 56 knitting systems and 28 transfer systems with a machine speed up to 18 RPM (30")
- 3-Way-Techology in cylinder needle selection allows the needle position in **KNIT-TUCK-MISS**
- dial drive and cylinder bearing (patented) supported in oil bath with maximum concentricity precision results in utmost fabric quality in spun and especially for critical synthetic yarns

- **Terrot motorized take-down** for absolutely constant take-down tension. Reproducible digital settings via adjustment on the control panel.
- new sales opportunities are opened by using synthetic yarn qualities in the application of underwear and especially in the fast growing market of sportswear
- **Option:** A new generation of transfer technology in fine gauge up to E28 (patented) allows "genuine hole structures" in different dimensions. Top fabrics and Body Mapping for sportswear can be created in a totally new design on the base of Single-Jersey.



UCC572T, 34", E16

Number of feeders	84
Machine speed / RPM	16
Number of needle tracks	2 tracks on dial
Knitting structure	Jacquard Transfer
Yarn	Lenzing Tencel® Nm 40/1 (Ne 24s)

Unfinished fabric weight in g/m²	150 g/m²
Unfinished fabric width in cm	110 cm tube (220 cm open)
Production output in m/h	41,4 m/h
Production output in kg/h	13,7 kg/h

Fabric application

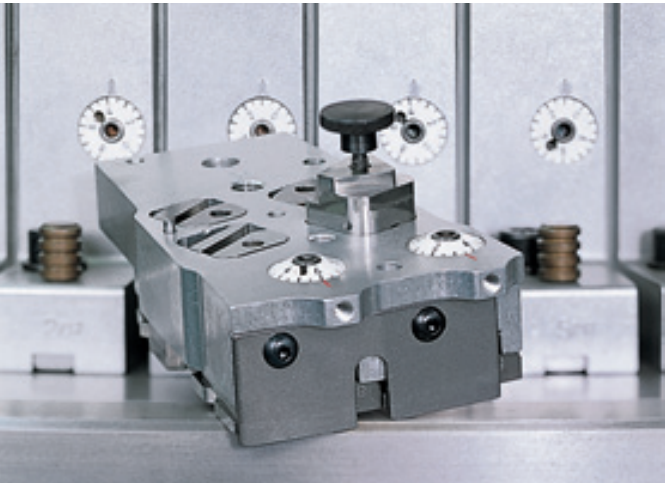
Sports and Leisurewear. Underwear. Technical textiles.

UCC572

Electronic Double-Jersey Jacquard
with 3-Way-Technique

Based on the well proven knitting technique of Mini-Jacquard UP472 and S3P172 the further developed UCC572 presents itself in fine gauge of E40.

- **DIAL-DROP-CAMMING** system for the cam adjustment (from outside) without removing any cam boxes
- totally freely controllable cylinder needle selection in **3-Way-Technique**
- latest **PIEZO technology** with "High Speed Actuators" for a perfect **MISS-TUCK-KNIT** position
- 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**
- **MULTITERMINAL CONTROLLER** with pattern data input via USB-stick for nearly unlimited pattern capacity
- latest developments in "Elastane plating cams" open new application areas, e.g. superfine fabrics for exclusive underwear and outerwear

UCC572, 30", E40

Number of feeders	72
Machine speed / RPM	16
Number of needle tracks	2 tracks on dial
Knitting structure	Jacquard
Yarn	PES dtex 35 f24 (den 31 f24) PA66 dtex 33 f10 (den 30 f10) EL dtex 44 (den 40)

Unfinished fabric weight in g/m²	102 g/m²
Unfinished fabric width in cm	80 cm tube (160 cm open)
Production output in m/h	9,7 m/h
Production output in kg/h	1,6 kg/h

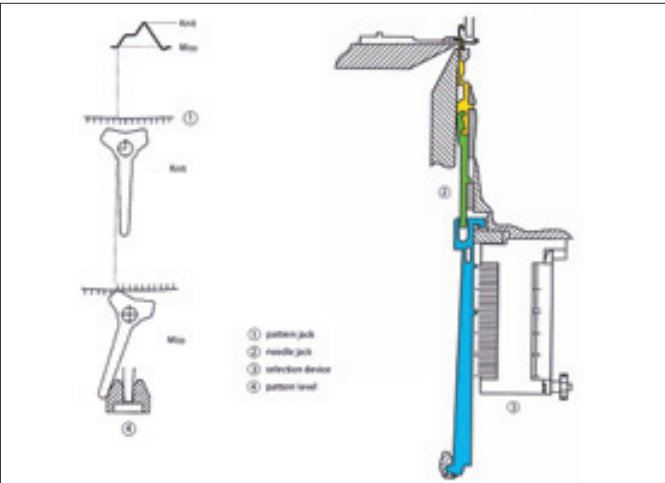
Fabric application

Sports and Leisurewear. Swimwear. Automotive fabrics.

UP592M

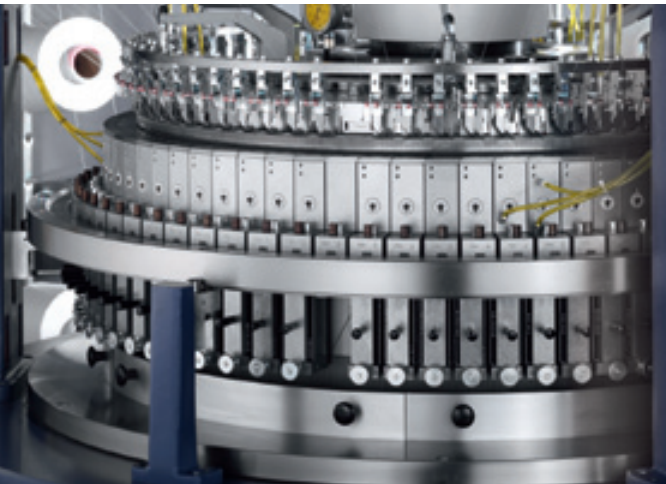
Mini-Jacquard Mattress Ticking in High-Production

Our latest developed Mini-Jacquard model UP592M stands out by its appliance in the cost-efficient production of Mini-Jacquard mattress ticking. The combination of a high number of feeders and machine speed allows a never before achieved production output.



- **Terrot motorized fabric take-down** with 2 separately controlled motors for absolutely constant take-down tension and smooth winding up
- dial drive and cylinder bearing (patented) supported in oil bath with maximum concentricity precision results in utmost fabric quality in spun and especially for critical synthetic yarn

- dial cam system with 2 needle-tracks for **KNIT-TUCK-MISS and SUPPORT**
- cylinder needle selection in **2-Way-Technology** on each feeder with manually selectable pattern levers
- rapid and convenient settings of pattern for cylinder needle position **MISS and KNIT**
- Industrial frame with integrated mechanism in the **take-down device** allows an easy and fast removal of the heavy fabric roll. Reproducible settings via potentiometer adjustment on the control panel.



UP592M, 38“, E20

Number of feeders	116
Machine speed / RPM	21
Number of needle tracks	36
Knitting structure	Mattress Ticking Minijacquard
Yarn	CO Nm 34/1 (Ne 20s) PES dtex 167 f144 (den 150 f144) PES dtex 167 f30 (den 150 f30) PES dtex 330 f72 x2 (den 300 f72 x2)

Fabric application

Home textiles. Mattress ticking.

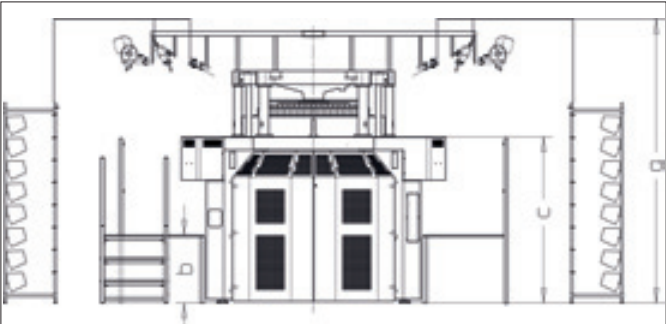
Unfinished fabric weight in g/m²	282 g/m²
Unfinished fabric width in cm	126 cm tube (252 cm open)
Production output in m/h	60,9 m/h
Production output in kg/h	43,3 kg/h

Industrial Frames

Frame version with free access to the fabric roll and even for an easy and quick removal of the roll for Terrot Single and Double-Jersey machines*

*except Open Width

- economic production with a fabric roll up to 1050 mm diameter
- reduced changing times of the fabric roll as well as a smooth running quality
- higher degree of efficiency and increasing production output due to reduced downtimes
- optimised operator convenience and maintainability thanks to new developed machine parts
- higher running times at the big fabric roll allows savings in the finishing process and reduces fabric cuttings
- new frame version especially applicable for mattress fabrics and for bigger diameters in Single-Jersey



	C6/1 C5/1 C4/1	C6/2 C5/2 C4/2	C7/3 C6/3 C5/3 C4/3
Service height			
a (mm)	2490	2765	3000
b (mm)	-	465	790
c (mm)	1250	1525	1932

Frame dimensions

Machine Ø	26“ – 30“	32“ – 36“	38“ – 42“	44“ – 54“
Roll Ø				
500 mm	C4/1	C5/1	C6/1	-
800 mm	C4/2*	C5/2*	C6/2*	-
1050 mm	C4/3*	C5/3*	C6/3*	C7/3*

*surrounding platform is available for Industrial Frames

- free access to the tubular knits
- automatic positioning of the take-down device
- high weights of fabric roll achievable

CIRCULAR KNITTING MACHINES DOUBLE-JERSEY

MACHINE TYPE	KNITTING TECHNIQUE	NUMBER OF NEEDLE TRACKS		FEEDS PER INCH	MACHINE GAUGE	MACHINE DIAMETER
		CYLINDER	DIAL	DIAMETER	GG	IN INCH
UCC572M	Mattress ^①	Piezo needle selection	2	2.4	18 – 22	30 ^② , 34 ^③ , 38 42, 48 NEW!
UCC548ME NEW!	Mattress	Piezo needle selection		2.4	18 – 22	38, 48
RH216	Rib	1	1	1.8	10 – 18 10 – 22 10 – 24	8, 9 10, 11 12 – 23
RH216-I	Interlock	2	2	1.8	14 – 18 14 – 22 14 – 24 14 – 26 14 – 28	12, 13 14 – 16 17 – 20 21 22, 23

MACHINE TYPE	KNITTING TECHNIQUE	NUMBER OF NEEDLE TRACKS CYLINDER	FEEDS PER SINKER CAM INCH DIAMETER	MACHINE GAUGE GG	MACHINE DIAMETER IN INCH
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S2112-2 NEW!	Single plain/structures	4	1	3.7	18 – 54	26, 30 – 42 [®]
S296-1	Single plain/structures High Speed	4	1	3.2	12 – 54	26 – 42, 44 [®] – 54 [®] NEW!
S296-2	Single plain/structures High Speed	4	1	3.2	12 – 54	26 – 42, 44 [®] – 54 [®] NEW!
SH124	Single plain/structures	4	1	2.4	18 – 36	30, 34
SH130	Single plain/structures	4	1	3.0	12 – 36	16 – 36
SBF124	3-thread fleece	4	1	2.4	16 – 24	30, 34
SBF130	3-thread fleece	4	1	3.0	12 – 24	16 – 24, 28, 30
SBF296	3-thread fleece	4	1	3.2	16 – 24	26 – 36
SBF296-2 NEW!	3-thread fleece	4	1	3.2	16 – 24	26, 30, 32, 34, 36
S3P148 S3P248	Mini-Jacquard 3-Way-Techn.	36/72 wales pattern width	1	1.6	6 – 12 14 – 40 [®] NEW!	26, 30, 34 26, 30, 34 NEW!
S3P172-1	Mini-Jacquard 3-Way-Techn.	36/72 wales pattern width	1	2.4	12 – 40 [®]	26, 30, 34, 36 [®] , 38
SCC548	Electronic-Jacquard 3-Way-Techn.	Piezo needle selection	1	1.6	6 – 12 14 – 40	26, 30, 34 26, 30, 34
SCC572	Electronic-Jacquard 3-Way-Techn.	Piezo needle selection	1	2.4	14 – 40 [®]	26, 30, 34, 36, 38
SCC4F548 SCC6F548	Electronic-Jacquard Striper 3-Way-Techn.	Piezo needle selection	1	1.6	14 – 36 NEW!	26, 30, 34
S4F348 S6F348	Single Striper	4	1	1.6	12 – 36	26, 30, 34
S3P4F248 S3P6F248	Mini-Jacquard Striper 3-Way-Techn.	36/72 wales pattern width	1	1.6	14 – 36 NEW!	26, 30, 34
SP145-U	Plain Plush	1	1	1.5	18 – 24	30
APL-2	Plain/structured Plush	6	2	1.5	18 – 28	24, 32
APL-E	Electronic Plush	Piezo needle selection	2	2.0	18 – 24	24, 30

① machine available in 2-Way-Technique or 3-Way-Technique / ② on request

experience makes the difference

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