

# TERROT AT ITM 2024

Listen to the sound of our I3P 196 Interlock blockbuster.

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## PRESS RELEASE

Chemnitz, May 28, 2024

Event date: Tuesday, 4 June - Saturday, 8 June 2024

Venue: Tüyap Fair Convention and Congress Center | Istanbul | Türkiye

new textile horizons.

## TERROT JOINS THE TEXTILE REVOLUTION AT ITM

**CHEMNITZ, MAY 28, 2024** ITM 2024 is the meeting place for leading companies and experts from the textile technology industry. The fair will take place at the Istanbul Tuyap Fair and Congress Center from 4 to 8 June 2024. At ITM we will present our latest innovations and technologies in the field of circular knitting machines. With over 64,500 visitors from 102 countries and 1,280 exhibitors from 65 countries, ITM 2022 has already been a great success.

Don't miss your chance to be part of the next success story, discover our latest developments and connect with our sales team and management. You are cordially invited to visit the **TERROT TEXTILMASCHINEN STAND 315A IN HALL 3**. A highlight at our stand will be live demonstrations of our Interlock blockbuster I3P 196 open width frame (diameter 34", gauge E32, number of feeders: 108) with Smartex system. Terrot and ERKO team will be available for your inquiries and consultations.

Martin Vorsatz, Managing Director of Terrot Textilmaschinen GmbH, emphasizes: „We are excited to announce Terrot's participation at the ITM, which is expected to provide new impulses and insights. We are looking forward to meeting our valued customers and partners, industry experts and interested parties. Our extensive experience and technical know-how will help strengthen Terrot's position in the global market. We are confident that our circular knitting machines will continue to meet the highest standards and exceed our customers' expectations.“

The I3P 196 is a highly productive and flexible circular knitting machine producing „8-lock“, interlock and modified structures such as double face, punto di roma, milano rib, piqué rodier and also racer mesh with maximum efficiency. Equipped with up to 4 needle tracks in cylinder cam and 2 needle tracks in dial cam the I3P 196 promises maximum flexibility and a wide range of pattern options.

As already 2023 at ITMA Milan we will be teaming up in our booth with Smartex, who provide among others a state-of-the-art AI driven error detection system. The Smartex CORE system build-in on our exhibition machine gives the customer the power of latest hardware and software technology to control their fabric production, inspecting every inch of fabric using artificial intelligence algorithms, which are constantly being upgraded.

## MACHINE MODEL I3P 196

### ADVANTAGES AT A GLANCE

- Highly productive knitting machine with a maximum speed factor of 1,050
- Terrot's latest answer to market needs: most productive machine for „8-lock“ structures (3.2 feeds per inch)
- Large gauge spectrum (up to E50) and timing delay up to 4 mm
- High quality elastane plating in all variations
- Flexible application with spacer (height up to 4.5 mm) and fine gauge conversion kits
- Quick and easy gauge change



Machine model I3P 196

Deviations are possible and all items are subject to technical changes. Illustrations may show accessories that are not included in the standard version.



## MACHINE MODEL I3P 196

### TECHNICAL DETAILS

Diameter [inch]	30	32	34	36	38
Feeders	96	102	108	116	122
Speed up to [rpm]	35	32	30	29	27
Speedfactor [max]	1050				
Gauges <sup>1</sup> [E]	18-50				
Knitting technology	Mechanically controlled, elastane plating				
Possible structures	Fine rib, interlock, double face, spacer, racer mesh				
Fabric application	Outerwear, technical and home textiles				

<sup>1</sup>From E40 only interlock

### AVAILABLE FRAMES

Tubular	Industrial tubular	Open width
C4 - C6	C4 - C6	D5-BW - D6-BW
Frame for 500 mm rolls	Frame for 800 mm and 1,100 mm fabric rolls	Frame for 400 mm and 600 mm fabric rolls

### STANDARD CONFIGURATION FOR I3P MACHINES

	Terrot control	Thread feed
Standard equipment	User-friendly and easy-to use control panel with different functions: <ul style="list-style-type: none"> <li>• Online connection via web application</li> <li>• Electronically controlled take down</li> </ul>	Positive feeding unit type MPF (optional MRA drive possible) <ul style="list-style-type: none"> <li>• Ceramic yarn carriers</li> <li>• Elastomeric plating equipment with MER</li> </ul>



PRODUCT SHEET



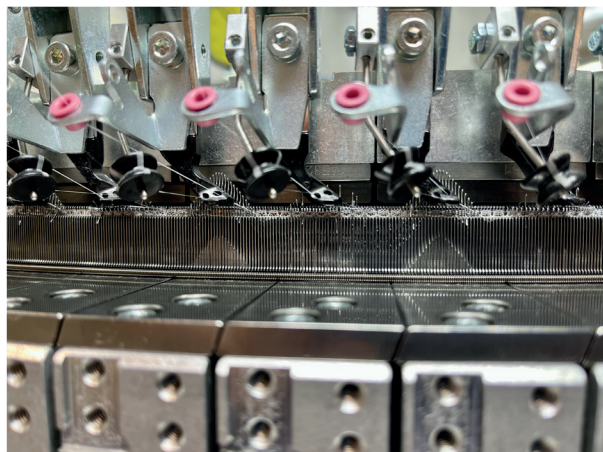
MACHINE VIDEO



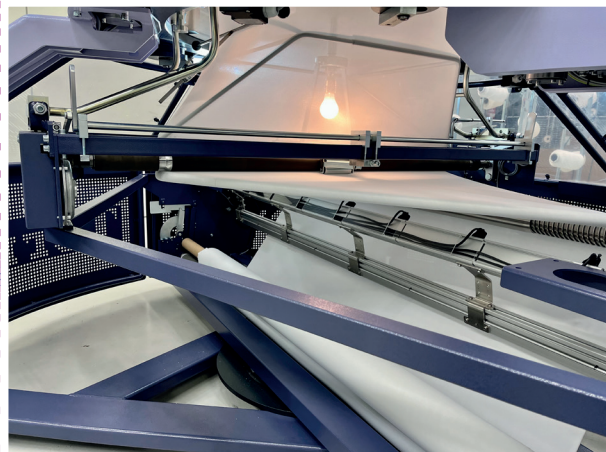
Open width frame with Smartex system



Knitting head



Detail knitting head

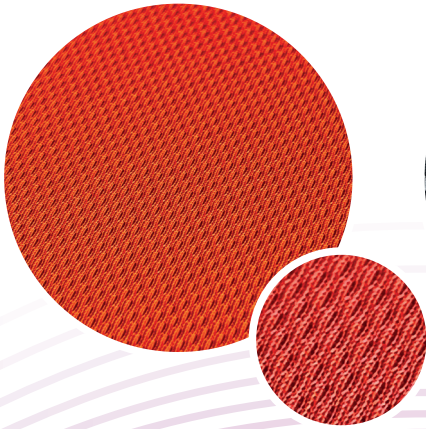


Open width take down

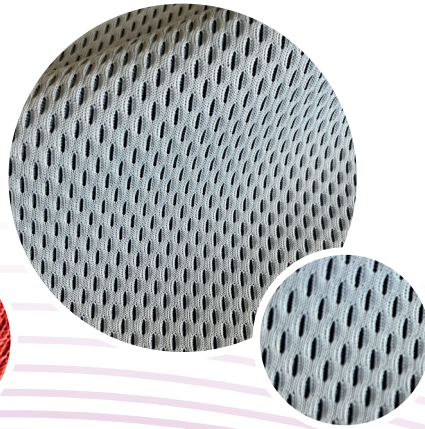
**PRODUCTION EXAMPLE I3P 196 FOR 34 INCH AND 30 RPM [UNFINISHED 85%]**

Structure	Gauge [E]	Yarn	Weight [g/m <sup>2</sup> ]	Production [m/h]	Production [kg/h]
Fine rib	18	Cotton Nm 50/1 (Ne 30/1)	168	91.80	29.78
Punto di roma	24	Cotton Nm 60/1 (Ne 36/1)	225	45.90	22.70
Interlock plated	28	Polyester dtex 76f24 (den 68f24) Elastane dtex 22 (den 20)	157	34.40	10.37



**FABRIC SAMPLES**


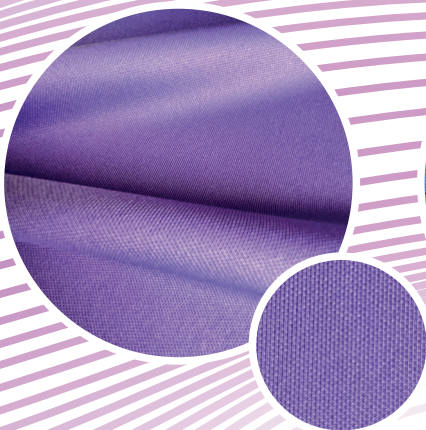
Racer mesh



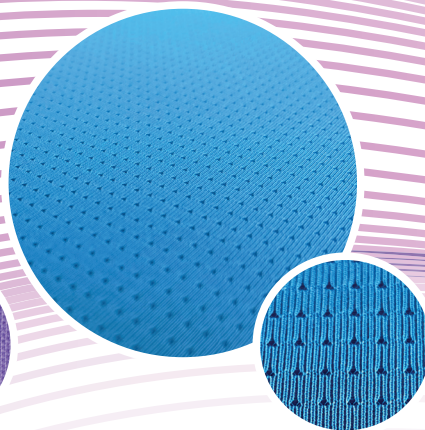
Spacer



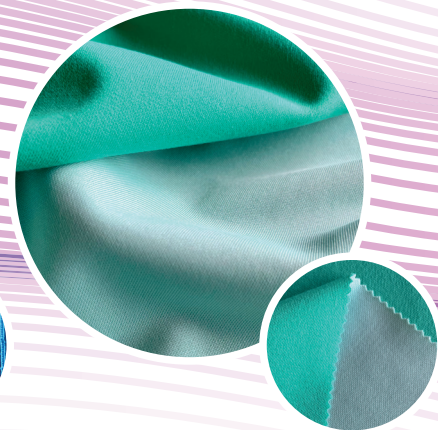
Waffle



Piqué rodier



Spacer

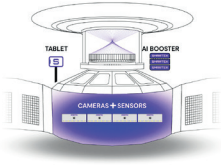


Double face fabric

**I3P 196 OPEN WIDTH FRAME MACHINE SPECIFICATION AT ITM**

Diameter	34"
Gauge	E32
Number of feeders	108

Needle selection dial	Mechanic selection, 2 needle tracks
Needle selection cylinder	Mechanic selection, 4 needle tracks
Knitting structure	Double face elastane plated



## TERROT CONTINUES TO SET THE STANDARD WITH PROVEN ARTIFICIAL INTELLIGENCE (AI)

Following the great success of ITMA 2023, we are once again exhibiting our industry-leading I3P 196 with built in **AI-ENHANCEMENTS** to strengthen quality control with real-time inspection.

Our customers can seamlessly enhance their equipment to leverage **AI-ENABLED**, automated quality control features, enabling them to access real-time insights into machine performance effortlessly. But there's more! **AI-ENHANCED** Terrot machines will also include a comprehensive factory management platform accessible online, empowering users with additional data and control over their production from any location.

Our customers can leverage these latest advancements to ensure their quality control measures and drive profitability. With the ability to expedite top-quality rolls directly to shipping and focus manual reinspection efforts solely on those requiring further review, businesses can now ensure consistent quality, safeguard their bottom line, minimize waste and realize significant time and cost savings.

Produced Rolls			
Roll 1	Machine 32	Grade A	▶▶
Roll 2	Machine 11	Grade A	▶▶
Roll 3	Machine 04	Grade B	▶▶
Roll 4	Machine 15	Grade D	▶▶
Roll 5	Machine 32	Grade A	▶▶
Roll 6	Machine 21	Grade A	▶▶

**Boost Quality Control & Increase Profitability**

- ✓ Inspect fewer rolls, 10x faster
- ✓ Reduce waste
- ✓ Save time & money
- ✓ Guarantee quality
- ✓ Protect your bottom line



SMARTEX SYSTEM

## ABOUT TERROT TEXTILMASCHINEN GMBH

For over 160 years, Terrot has been a premium partner to the textile industry worldwide. With its Terrot and Pilotelli product lines, the company is present in 120 countries. The innovative circular knitting machines offer the most flexible solutions for different customer requirements. The trademark and Unique Selling Points of Terrot are highly efficient, durable and particularly versatile circular knitting machines with the focus on high-quality products and services. The product range extends from the finest single and double jersey circular knitting machines to highly developed electronic double jacquard machines. Top manufacturers and well-known brands from all over the world produce their knitted fabrics for sports, leisure and fashion industries on Terrot machines. Mattress covers, home and technical textiles, including those for the medical and automotive sectors, are also produced on Terrot circular knitting machines. A network of more than 50 qualified sales agencies guarantees the worldwide contact and professional support of customers, the service of existing machines, the supply of spare parts as well as the commissioning of new machines.

<https://www.terrot.de>

## ABOUT SANTONI SHANGHAI

Established in 2005, Santoni Shanghai Knitting Machineries Co., Ltd. offers a full range of innovative textile knitting products and solutions to its customers. With two decades of journey, its business expanded with multidimensional organic growth and through acquisitions. Today Santoni Shanghai owns several circular knitting machines brands, particularly JingMei for the large diameter, Hengsheng for the mid and SOOSAN for the small diameter before adding up Terrot and Pilotelli, both focused on large diameter production. Fueled by this enormous combination of capabilities Santoni Shanghai aims to take the experience of its customers to a different level with the development of the ecosystem that offers a Knitting Platform for the intelligent manufacturing plant, “Materialliance” a portal connecting designers and makers, an Innovation Lab, C2M solutions like the recently launched “MyKnit” program, and Textile Automation offerings.

<https://www.santoni.cn/>



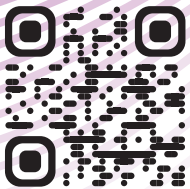
**CONTACT US**

Terrot Textilmaschinen GmbH

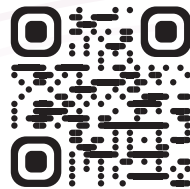
Paul-Grüner-Straße 72 b | 09120 Chemnitz | GERMANY

Phone: +49 371 5201- 0

Fax: +49 371 5201- 200

[www.terrot.de](http://www.terrot.de)[info@terrot.de](mailto:info@terrot.de)**PRESS CONTACT**Terrot corporate communications | Mrs. Uta Weber | [press@terrot.de](mailto:press@terrot.de)THIS IS HOW  
TERROT SOUNDS

PRODUCT RANGE



TERROT TEXTILMASCHINEN GMBH

Paul-Grüner-Straße 72 b | 09120 Chemnitz | GERMANY

+49 371 5201-0 | [info@terrot.de](mailto:info@terrot.de) | [www.terrot.de](http://www.terrot.de)

PREMIUM QUALITY



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