

Ideas in motion

CHIORINO[®]
1906

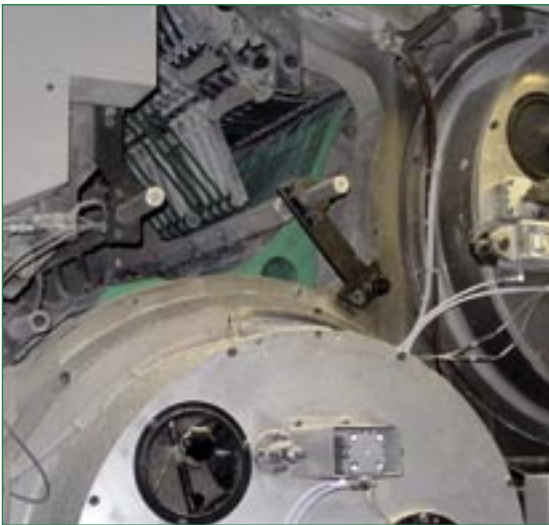
**Thermoplastic machine tapes
for the Paper and Printing
industry**

PT[®]





Thermoplastic machine tapes for the Paper and Printing industry



CHIORINO PT Fast Joint MACHINE TAPES in thermoplastic materials are designed to offer excellent performances, total reliability and extremely rapid replacement in the Paper and Printing sector:

- paper processing
- rotary and commercial printing, folding and binding industry

The **PT series** has been developed to meet specific applications required by sophisticated new generation machinery from the most important international OEM's, providing excellent quality and optimum performance.

- maximum paper feeding precision
- optimal traction of any type of paper
- extremely high resistance to chemical agents
- high resistance to abrasion
- reduced energy consumption
- excellent flexibility
- long-lasting service

The **PT machine tapes** are the result of collaboration with important International OEMs as well as of the continuous research on innovative and customised solutions carried out in the CHIORINO R&D Laboratories.

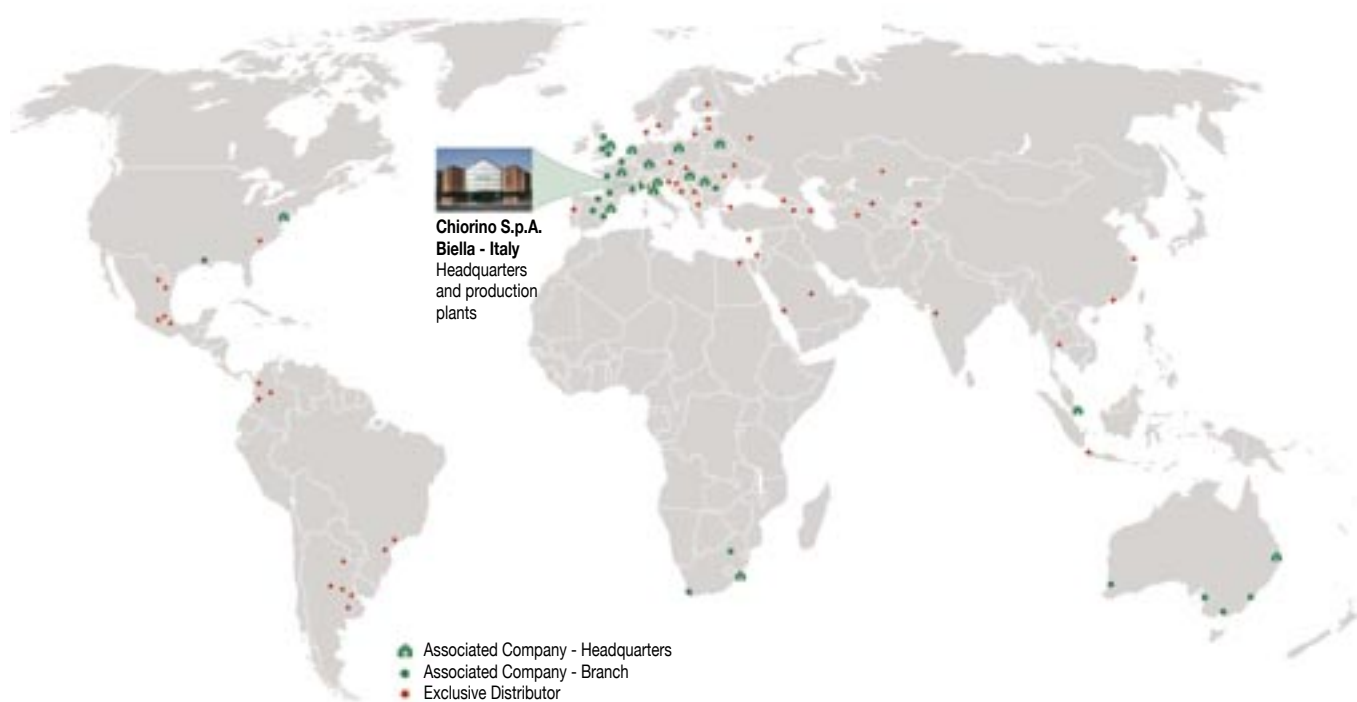
CHIORINO is an International leader in the production of high performance conveyor and transmission belts for every industrial and service sector.

Quality and environment certified

EMAS - UNI EN ISO 9001:2008 - UNI EN ISO 14001:2004



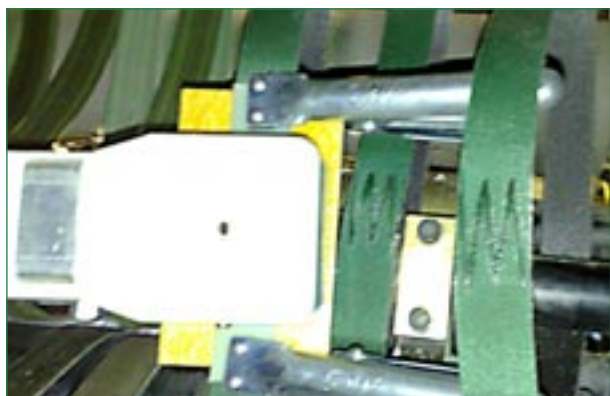
Service and assistance
throughout the world

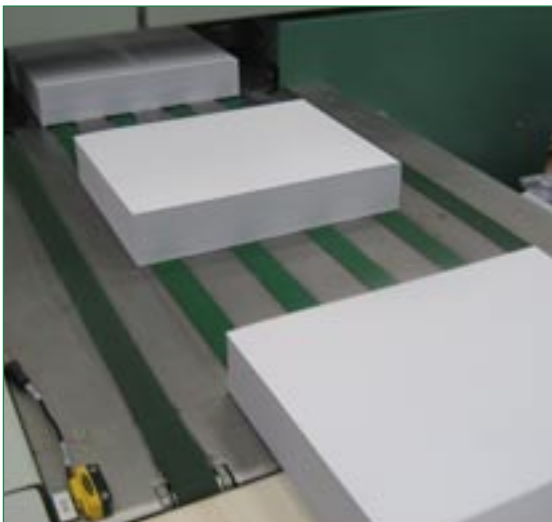


For more info on the Distribution Network please visit
the website www.chiorino.com



CHIORINO operates all over the world through **15 Associated Companies** and **more than 60 highly qualified Distributors and Assistance Centres** which guarantee and provide prompt assistance and installation service **24/7**.





Paper processing

CHIORINO **PT** machine tapes are specifically designed to process any type of paper and light cardboard, providing an optimal coefficient of friction according to the specific needs:

> **CUTTERS**

> **REAM PACKAGING**

PT CHIORINO machine tapes are successfully used in the more sophisticated plants of primary International OEMs (BIELOMATIK, ECH-WILL etc.) and guarantee the end user total quality and high productivity.

The **PT** machine tapes are thermoplastic and can be jointed on site using CHIORINO FAST JOINT equipment described at page 6.

Features and benefits

- ▶ Excellent resistance to abrasion
- ▶ Optimal traction of any type of paper
- ▶ Excellent dimensional stability
- ▶ Optimal flexibility
- ▶ They do not mark the paper
- ▶ Permanent antistatic
- ▶ High mechanical resistance
- ▶ Long-lasting service

Printing industry

PT machine tapes offer excellent performance and long-lasting service in all printing applications:

- > **ROTO-OFFSET/ROTOGRAVURE FOLDERS**
- > **SHEET PRINT FEEDING**
- > **BOOK AND MANUAL BINDING**

PT CHIORINO machine tapes are successfully used in plants equipped with the most sophisticated machinery from leading International OEMs (KBA, MAN ROLAND, GOSS INTERNATIONAL, HARRIS, HEIDELBERG, WIFAG, MITSUBISHI, MÜLLER MARTINI etc.).

The PT machine tapes are thermoplastic and can be jointed on site using CHIORINO FAST JOINT equipment described at page 6.

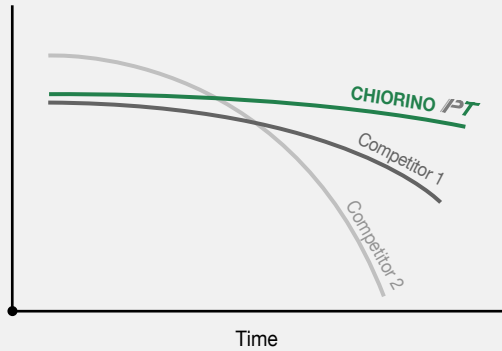
Features and benefits

- ▶ **Optimal paper traction and maximum feed precision of any type of paper**
- ▶ **Extremely high resistance to chemicals and printing inks**
- ▶ **Excellent resistance to abrasion**
- ▶ **Excellent dimensional stability**
- ▶ **Optimal flexibility**
- ▶ **They do not mark paper**
- ▶ **Suitable to high speeds**
- ▶ **Long-lasting service**

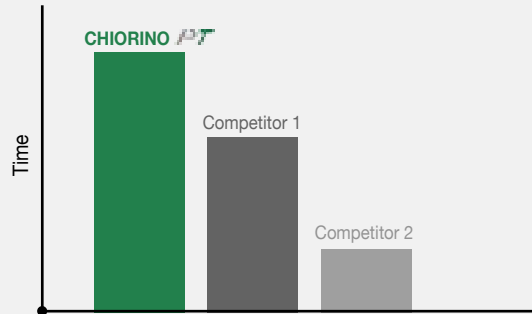


PTTM Thermoplastic machine tapes No.1

Resistance to abrasion (Taber Test)



Life time



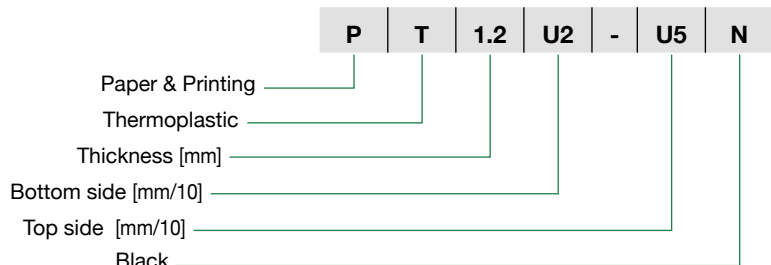
Results from testing in the paper and printing industry (end users)

Type	Traction core	Top side	Bottom side	Permanent antistatic	Total thickness	Weight	Minimum diameter ¹	Pull for 1% elongation	Max. admissible pull	Min. temperature resistance	Max. temperature resistance	Top side coefficient of friction ²	Cutters	Ream packaging	Roti-offset /rotogravure folders	Sheet print feeding	Book and manual binding
													Paper processing		Printing industry		
PT0.9 0-0	PET-PA	- ●	- ●	✓	mm 0,9	kg/m ² 0,9	mm 10	N/mm 5	N/mm 10	°C -20	°C +100	mm LF			✓		
PT0.9 0-0 N	PET-PA	- ●	- ●	✓	mm 0,9	kg/m ² 0,9	mm 10	N/mm 5	N/mm 10	°C -20	°C +100	mm LF			✓		
PT1.0 0-U4	PET	TPU ●	- ●	✓	mm 1,0	kg/m ² 1,0	mm 10	N/mm 5	N/mm 5	°C -20	°C +100	mm HF	✓	✓		✓	✓
PT1.0 U1-U3	PET	TPU ●	TPU ●	✓	mm 1,0	kg/m ² 1,1	mm 10	N/mm 5	N/mm 5	°C -20	°C +100	mm HF	✓	✓		✓	✓
PT1.2 U2-U5	PET	TPU ●	TPU ●	✓	mm 1,2	kg/m ² 1,3	mm 20	N/mm 5	N/mm 5	°C -20	°C +100	mm HF	✓	✓		✓	✓
PT1.2 0-U2	PET	TPU ●	- ○	✓	mm 1,2	kg/m ² 1,3	mm 20	N/mm 6	N/mm 12	°C -20	°C +100	mm HF	✓	✓		✓	✓
PT1.5 0-G3 FL	PET	SR ●	- ●	✓	mm 1,5	kg/m ² 1,8	mm 25	N/mm 6	N/mm 12	°C -20	°C +100	mm MF	✓				✓
PT1.8 0-0	PA	- ●	- ●	✓	mm 1,8	kg/m ² 1,8	mm 20	N/mm 9	N/mm 16	°C -20	°C +100	mm LF			✓		
PT1.8 G1-0	PA	- ○	SR ●	✓	mm 1,8	kg/m ² 1,8	mm 20	N/mm 9	N/mm 16	°C -20	°C +100	mm LF			✓		

The data of this table has been formulated under normal environment conditions. They are subject to alteration without notice.

(1) Minimum roller diameter depends on the joint recommended by CHIORINO.
 (2) Top side coefficient of friction: LF low, MF medium, HF high.

KEY: PET-PA = polyester-polyamide TPU = thermoplastic, polyurethane SR = synthetic elastomer



Fast Joint



3 min.

With the **FAST JOINT KIT** CHIORINO machine tapes series **PT** can be made endless on site in a few minutes, reducing the machine downtime.

Advantages CHIORINO Fast Joint Kit:

- > EASE OF USE DO-IT-YOURSELF
- > FAST EXECUTION
- > HIGH ACCURACY
- > NO USE OF CEMENTS



Kit Fast Joint P50 FJ

Press with two heated platens, suitable for splicing CHIORINO thermoplastic conveyor and transmission belts, that are max. 40 mm wide and 3 mm thick.

TECHNICAL DATA

Plates sizes (w x l)	50x50 mm
Press weight	1,4 kg
Holding plates	2 (20 and 25 mm)
Fastening clamps	2
Cooling clamp	1



Kit Fast Joint P120 FJ

Press with two heated platens, suitable for splicing CHIORINO thermoplastic conveyor and transmission belts, that are max. 80 mm wide and 6 mm thick.

TECHNICAL DATA

Plates sizes (w x l)	100x140 mm
Press weight	4 kg
Holding plate	1 (adjustable width)
Fastening clamps	2
Cooling clamp	1

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