

Ideas in motion

**CHIORINO**<sup>®</sup>  
1906

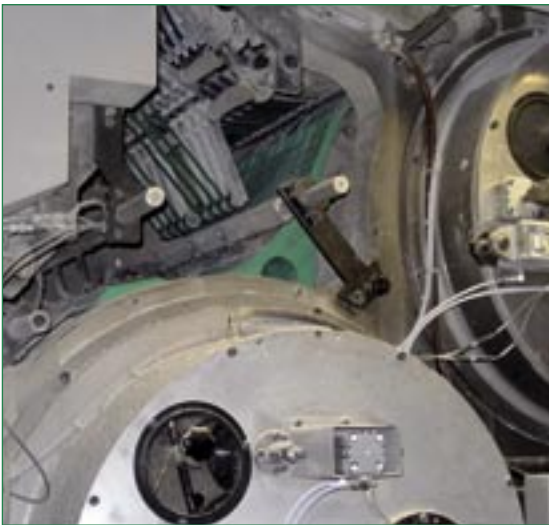
**Thermoplastic machine tapes  
for the Paper and Printing  
industry**

**PT**<sup>®</sup>





## 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.

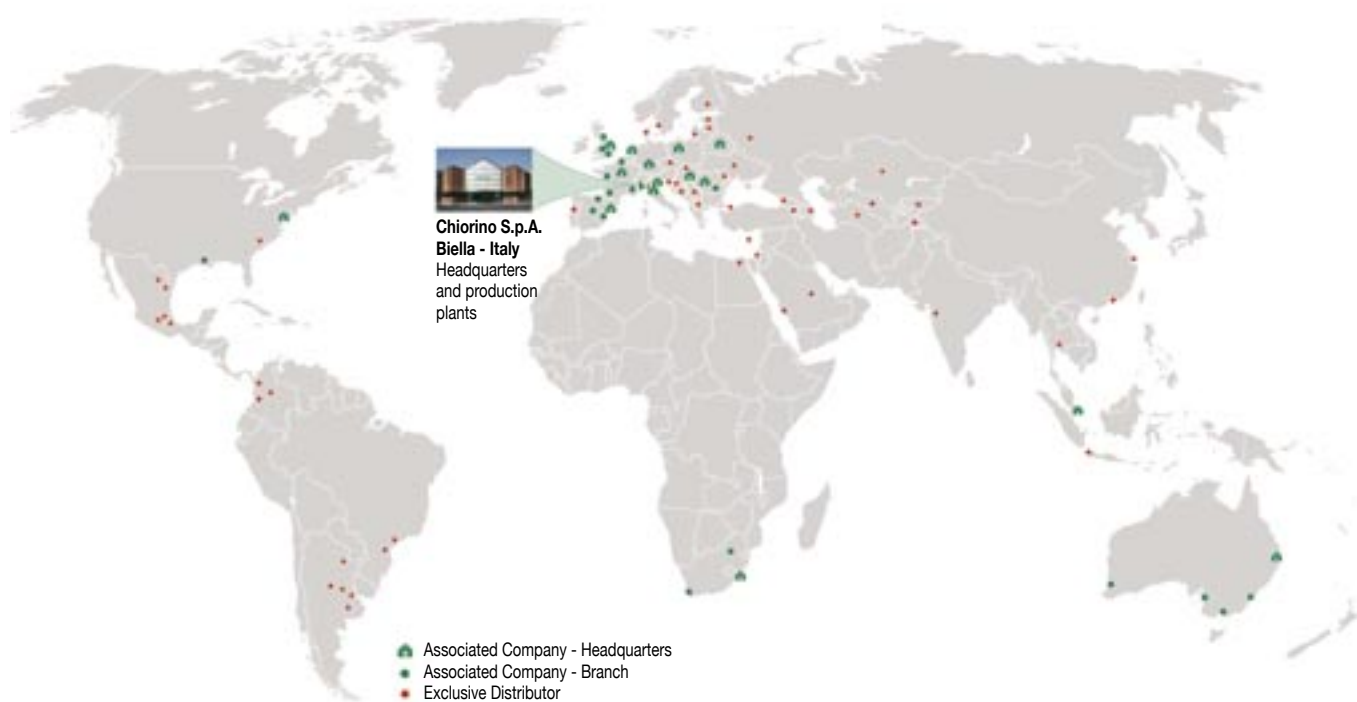
CHIORINO is an International leader in the production of high performance conveyor and transmission belts for every industrial and service sector.

Quality and environment certified

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



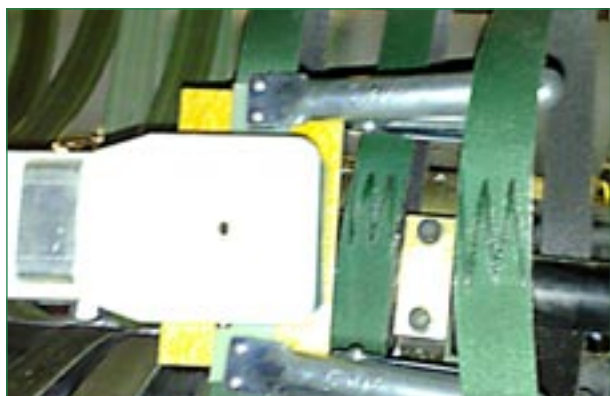
Service and assistance  
throughout the world

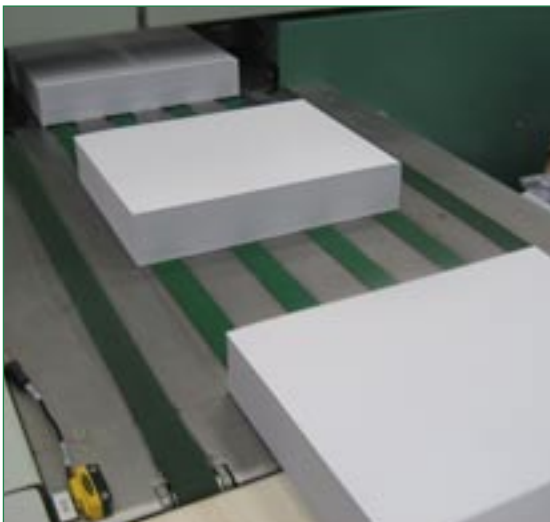


For more info on the Distribution Network please visit  
the website [www.chiorino.com](http://www.chiorino.com)



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.

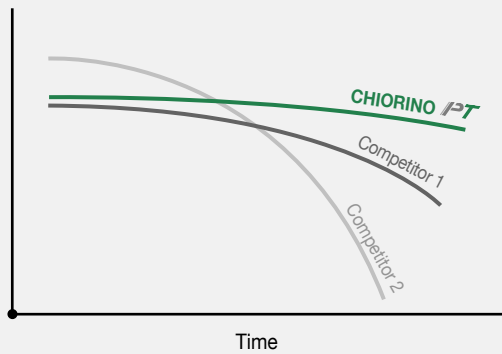
### Features and benefits

- ▶ **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**

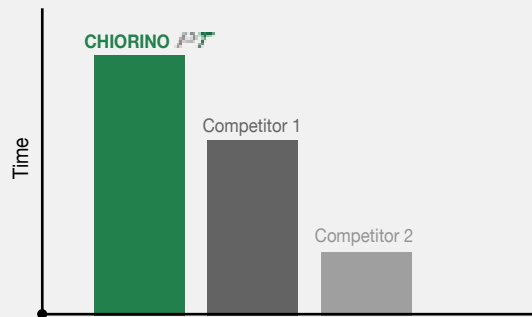


# PT<sup>TM</sup> Thermoplastic machine tapes No.1

### Resistance to abrasion (Taber Test)



### Life time



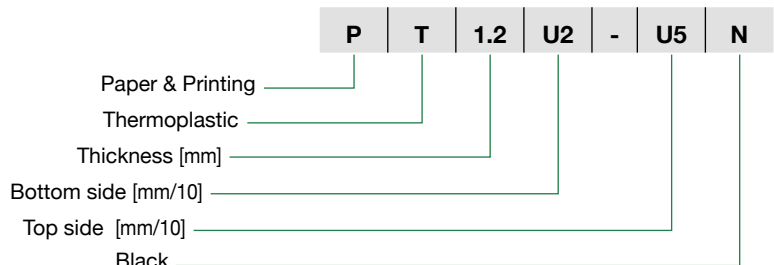
Results from testing in the paper and printing industry (end users)

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

## CHIORINO ASSOCIATED COMPANIES

---

### Australia and New Zealand

CHIORINO AUSTRALIA PTY. LTD. - Brisbane  
Tel. +61-7-3274 1900  
sales@chiorino.com.au  
www.chiorino.com.au

### Benelux

CHIORINO BENELUX B.V. - Utrecht,  
The Netherlands  
Tel. +31-30-2413060  
chiorino@chiorino.nl  
www.chiorino.nl

### Byelorussia

CHIORINO-K - Minsk  
Tel. +375-17-2804578  
general@chiorino.ru  
www.chiorino.ru

### France

CHIORINO SAS - Lagny, Paris  
Tel. +33-1-64304075  
chiorino.paris@chiorino.fr  
www.chiorino.fr

### Germany

CHIORINO GmbH - Mainz  
Tel. +49-(0)6131-55449-0  
info@chiorino.de  
www.chiorino.de

### Hungary

CHIORINO Kft. - Budapest  
Tel. +36-1-2785270  
mail@chiorino.hu  
www.chiorino.hu

### Italy

CHIORINO PARMA s.r.l. - Parma  
Tel. +39-0521-292236  
chiorinoparma@chiorino.com

CHIORINO VENETO s.r.l. - Colle Umberto  
Tel. +39-0438-430460  
chiorinoveneto@chiorino.com

### Poland

CHIORINO Sp. z o.o. - Bydgoszcz  
Tel. +48-052-3487708  
chiorino@chiorino.com.pl  
www.chiorino.com.pl

### Romania

CHIORINO srl - Cluj Napoca  
Tel. +40-264 432977  
chiorino@chiorino.ro  
www.chiorino.ro

### Singapore

CHIORINO FAR EAST Pte. Ltd. Singapore  
Tel. +65/67426266  
sales@chiorino.com.sg  
www.chiorino.com.sg

### South Africa

CHIORINO SOUTH AFRICA (PTY) LTD.  
- Durban  
Tel. +2731-7925500  
sales@chiorino.co.za  
www.chiorino.com

### Spain

CHIORINO S.A. - Rubí, Barcelona  
Tel. +34-93-5860480  
chiorino@chiorino.es  
www.chiorino.es

### United Kingdom and Ireland

CHIORINO U.K. Ltd. - Featherstone  
Tel. +44-1977-691880  
sales@chiorino.co.uk  
www.chiorino.co.uk

### U.S.A.

CHIORINO INC. - Newark, DE  
Tel. +1-302-292-1506  
info@chiorino.us  
www.chiorino.us

## CHIORINO EXCLUSIVE DISTRIBUTORS

---

Argentina  
Armenia  
Azerbaijan  
Bosnia  
Brasil  
Colombia  
Croatia  
Cyprus  
Czech Republic  
Denmark

Egypt  
Estonia  
Finland  
Georgia  
Herzegovina  
India  
Indonesia  
Israel  
Kazakhstan  
Kirgystan

Latvia  
Lithuania  
Macedonia  
Mexico  
Moldova  
Portugal  
Russia  
Saudi Arabia  
Serbia  
Slovak Republic

Slovenia  
Sweden  
Tagikistan  
Thailand  
Turkey  
Turkmenistan  
Ukraine  
Uzbekistan

For more info on the Distribution Network please visit the website [www.chiorino.com](http://www.chiorino.com)

## HEADQUARTERS AND PRODUCTION PLANTS

---

### CHIORINO S.p.A.

Via S. Agata, 9  
I-13900 Biella, Italy  
Tel. +39 015 8489 1  
Fax +39 015 849 61 61  
chiorino@chiorino.com  
www.chiorino.com

www.chiorino.com