



**PARINI**  
WASTE SORTING TECHNOLOGY



## WASTE CONVEYORS



BELT CONVEYORS - CHAIN CONVEYORS



The right choice of conveyor type in the waste sector is just as important as the choice of the other machines used in the process. Above all because an entire system can be jeopardised by the malfunction of just one conveyor. Parini Srl's experience extends beyond two decades and has allowed for progressive product improvement. With Parini, high reliability and long lasting conveyors are guaranteed.

## Belt conveyors

Belt conveyors come in 2 versions:

### TNS Type

Sliding belt conveyor (light version)

**MAIN USES:**

*They convey light-medium materials, paper, plastic, cardboard, light packaging, resulting from separate and multi-material collection.*

*Sorting conveyors.*

*Up to 35 m long, medium-low capacity.*

- Modular construction in 3 mm thick pressformed metal sheet.
- Rubber belt sliding on metal sheet, slightly concave at sides.
- Oil resistant rubber belt EP400/3 2+0 suitable for sliding on a sheet.



### TNR Type

Roller conveyor (heavy version)

*Up to 50 m long, medium-high capacity.*

- Sturdy modular construction in tubular frame structure.
- Troughed belt supported on rollers diameter 89 mm.
- Oil resistant rubber belt EP400/3 4+2.

*The belt is supplied loop closed for conveyor length up to 12 m.*

- Galvanised material guiding ledges h=200-500 mm with wear proof rubber sealing.
- Drive and idler drums diam. 220 mm (drive drum covered with vulcanized rubber).



Sorting conveyor

**The following options are available:**

- Variation of inclination, for example from inclined to horizontal.
- Reversible conveying direction.
- Application of vulcanised strips on the belt by high angles of inclinations.
- Stainless steel frame in proximity of magnetic separators.



Tilting on motorised fifth wheel



Tungsten scraper



Conveyor on shuttle



# Chain conveyors

Chain conveyors come in 2 versions:

## TCG Type

Chain conveyor + rubber belt (standard version)

They consist of 2 parallel chains on which 4/6 mm thick sheet metal slats are bolted.

The slats of the *rubber belt version* are positioned at a predetermined distance and the rubber belt, bolted to the slats themselves, conveys the waste avoiding any loss of product.



## TCM Type

Chain conveyor with metal slats (heavy version)

They consist of 2 parallel chains on which 5/8 mm thick sheet metal slats are bolted, profiled to form a continuous conveying bed.



### MAIN USES:

*They convey medium heavy materials, paper, RSU*

*Suitable as material receiving conveyors, often with initial part assembled in a hole for loading directly with mechanical means.*

*Suitable for feeding balers or shredders*

*Up to 35 m long, medium-high capacity*

- Sturdy modular construction in welded metal bars.
- Chains conform with DIN 8165 , 125/200 mm pitch 50/70 mm roller with tensile strength from 80000 to 220000 N.
- Chains run on replaceable steel guides.
- EP400/3 oil resistant rubber belt for 'chain + belt version'.
- 500-1000 mm high, 3 mm thick metal sheet guiding sidewalls.
- Available width 1200-1400-1600-1800-2000-2400 mm.
- Automatic lubrication system.
- Full length can be inspected for easier maintenance.



Full length can be inspected.





### TECHNICAL FEATURES BELT CONVEYORS

Belt conveyor	800	1000	1200	1400	1600	1800	2000
Available width A [mm]	650	850	1050	1250	1450	1650	1850
Overall dimensions B [mm] (excluding motor)	1100	1300	1500	1700	1900	2100	2300
Sidewall height H [mm]	FROM 250 mm to 600 mm						



### TECHNICAL FEATURES CHAIN CONVEYORS

Chain conveyor	1200	1400	1600	1800	2000	2400
Available width A [mm]	1200	1400	1600	1800	2000	2400
Overall dimensions B [mm] (excluding motor)	1410	1610	1810	2010	2210	2610
Sidewall height H [mm]	From 500 mm to 1000 mm					
Inclination at [Degrees]	From 0° to 35°					



**PARINI**  
WASTE SORTING TECHNOLOGY

Parini Srl  
Via S. D'Acquisto, 12 Albinea (RE),  
42020 Italy

Tel.: +39.0522.59.99.90  
Fax: +39.522.34.80.56

info@parinisrl.it  
www.parinisrl.it