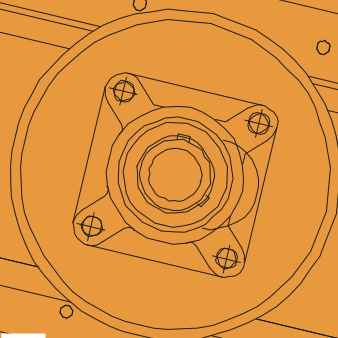


TN SERIES Belt Conveyor



METALMONT

HANDLING INNOVATION



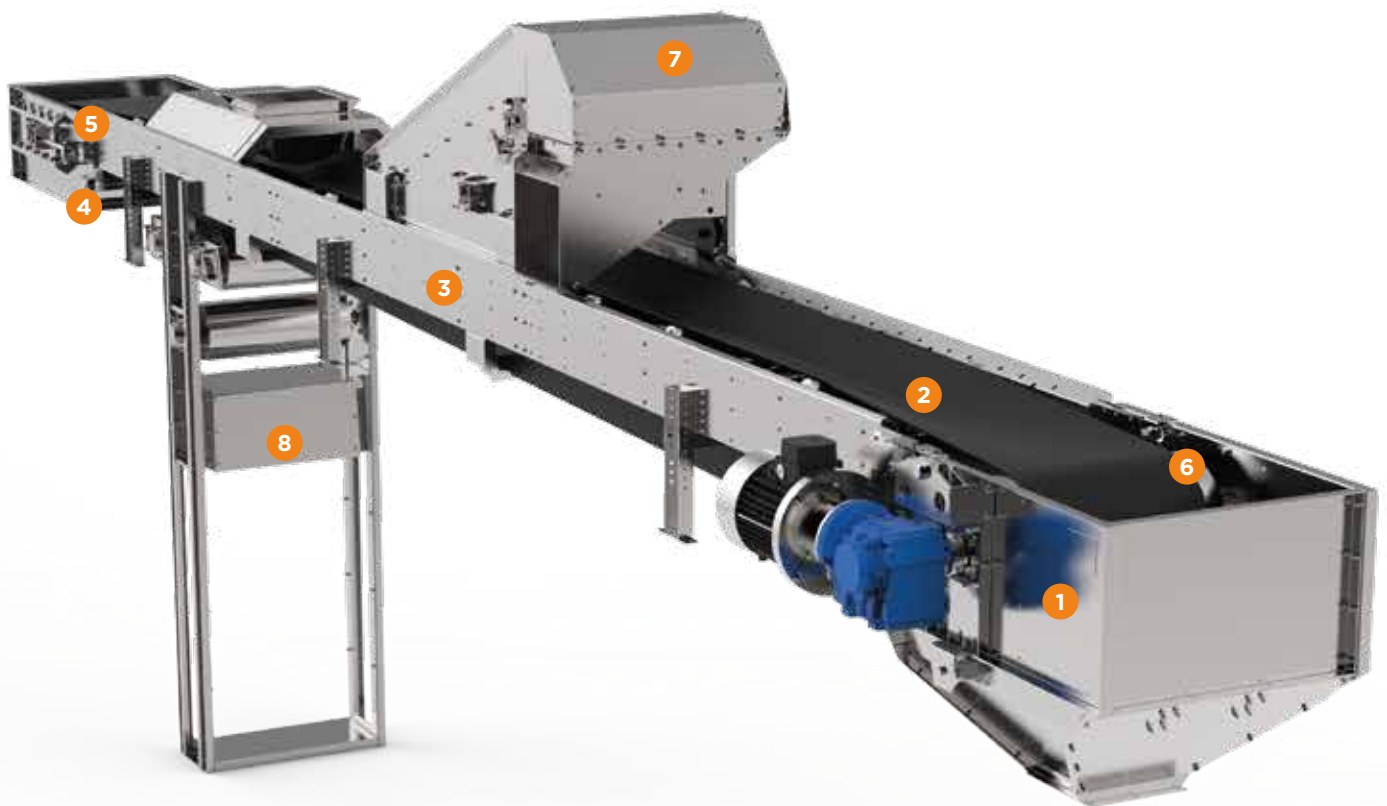
TN SERIES

BELT CONVEYOR

Reliable performance, construction quality,
easy assembly: the perfect solution

Ideal for handling cereals, oilseeds and legumes through horizontal or slightly tilted paths, the Metalmont TN series belt conveyors are designed to ensure the best performance even in the most difficult working conditions and to minimise maintenance and total operating costs.

RANGE from 120 to 400 t/h - different flow rates available on request



1 DRIVING ELEMENT (HEAD)

- Rubber-coated driving pulley
- High resistance steel driving shaft
- Supports with self-aligning ball bearings shielded and lubricated with high-performing grease
- Helical bevel gearmotor with direct coupling to the driving shaft

3 INTERMEDIATE ELEMENTS

- Case formed by bolted elements, carefully designed for quick and easy assembly
- 2 or 3 inclined rollers in the upper part where the conveyor belt conveys the material
- One horizontal roller every 3 meters in the conveyor belt return section
- Vertical side guide rollers
- Optional counterweight tensioning system

5 BELT MISALIGNMENT SENSOR (optional)

7 DISCHARGE CAR (optional)

2 BELT

- Belt with anti-abrasive, anti-oil, antistatic and flame retardant material
- Core with 2 or more polyamide-polyester plies with high specific resistance and reduced elongation

4 IDLER ELEMENT (TAIL END)

- Idler pulley
- High resistance steel idler shaft
- Double screw belt tensioner
- Tensioning slide
- Supports with self-aligning ball bearings shielded and lubricated with high-performing grease
- Speed control sensor with protective cover

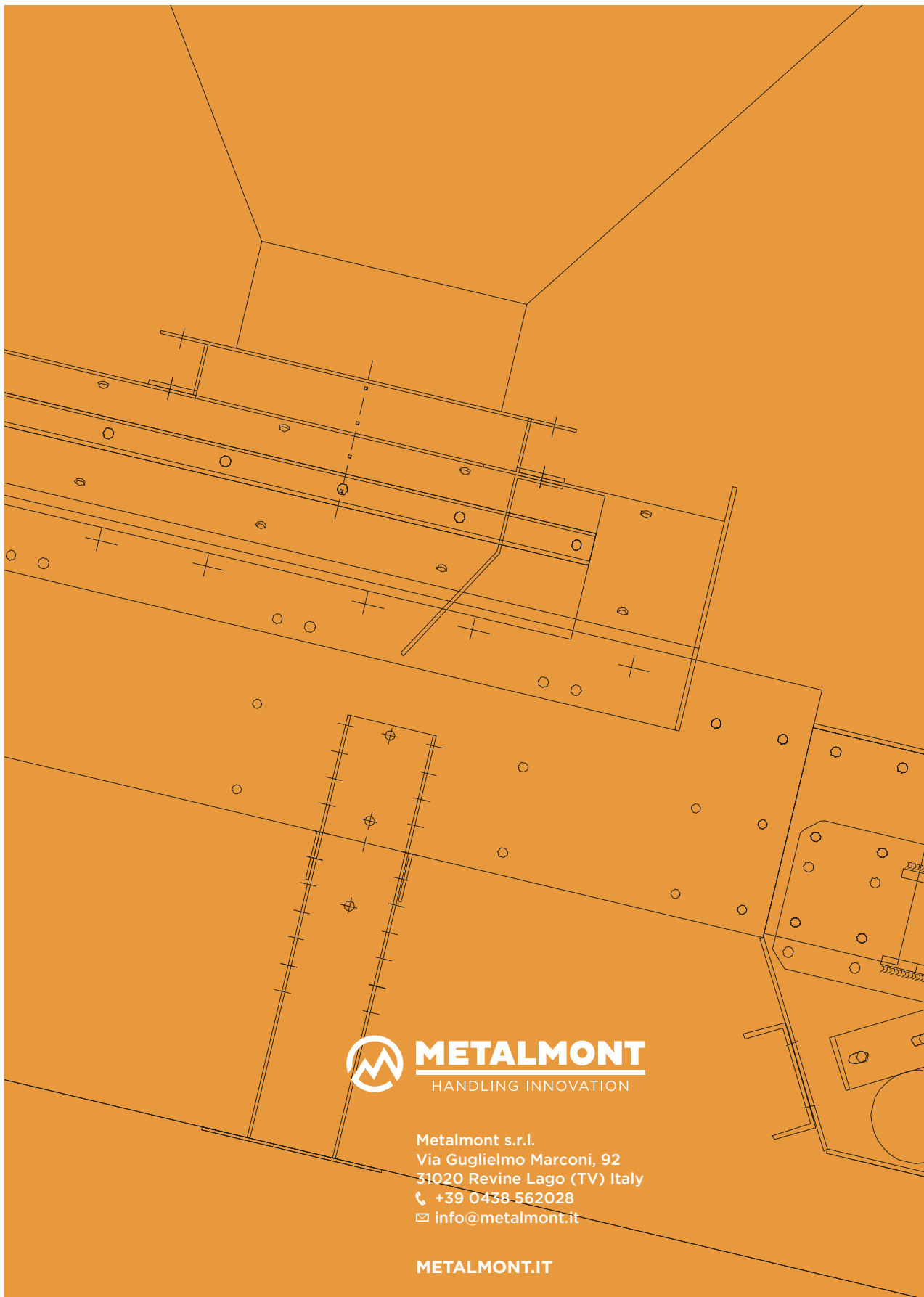
6 BELT MISALIGNMENT SENSOR (optional)

8 COUNTERWEIGHT (optional)

TECHNICAL DATA SHEET

MODEL	U.M.	TN-450	TN-650	TN-800
Flow rate*	t/h	120	200	300 - 400
Belt speed	m/s	2,3	2,3	2,0 - 2,5 - 3,0
Number of rollers / meter in the delivery section for conveyor belt support	n	2	3	3
Conveyor belt roller diameter	mm	76	89	89
Belt width	mm	450	650	800
External conveyor width	mm	655	900	1.100
Head length	mm	1.000	1.250	1.500
Tail end length	mm	1.000	1.250	1.500
Inlet/outlet flange dimensions	mm	300 x 300	350 x 350	500 x 500
Minimum distance for loading	mm	1.500	1.800	2.000
Driving pulley diameter (head)	mm	340	340	500
Idler pulley diameter (tail end)	mm	219	219	400
Maximum length	mm	120	160	160
Discharge car height	mm	710	1.150	1.600
Minimum distance between the head and the discharge car	m	2.500	3.000	3.000

*Flow rate referred to s.w. wheat 0.78 t/m³; RH 15%; max impurities: 2%. Horizontal machine.



METALMONT
HANDLING INNOVATION

Metalmont s.r.l.
Via Guglielmo Marconi, 92
31020 Revine Lago (TV) Italy
☎ +39 0438 562028
✉ info@metalmont.it

METALMONT.IT

ACCESSORIES AND DEVICES

MODEL	TN-450	TN-650	TN-800
Temperature bearings sensor on head and tail end	○	○	○
Speed control sensor on tail end	●	●	●
Loading hopper	○	○	○
Discharge hopper	○	○	○
Conveyor cover	○	○	○
Supports	○	○	○
Painted or stainless steel construction	○	○	○
Belt misalignment sensor	○	○	○
Suitable for use in ATEX 22, according to the customer classification	○	○	○
Discharge car	○	○	○
Counterweight	○	○	○
Servo-ventilated motor when running on frequency inverter	○	○	○

● - *Standard*

○ - *Optional*