

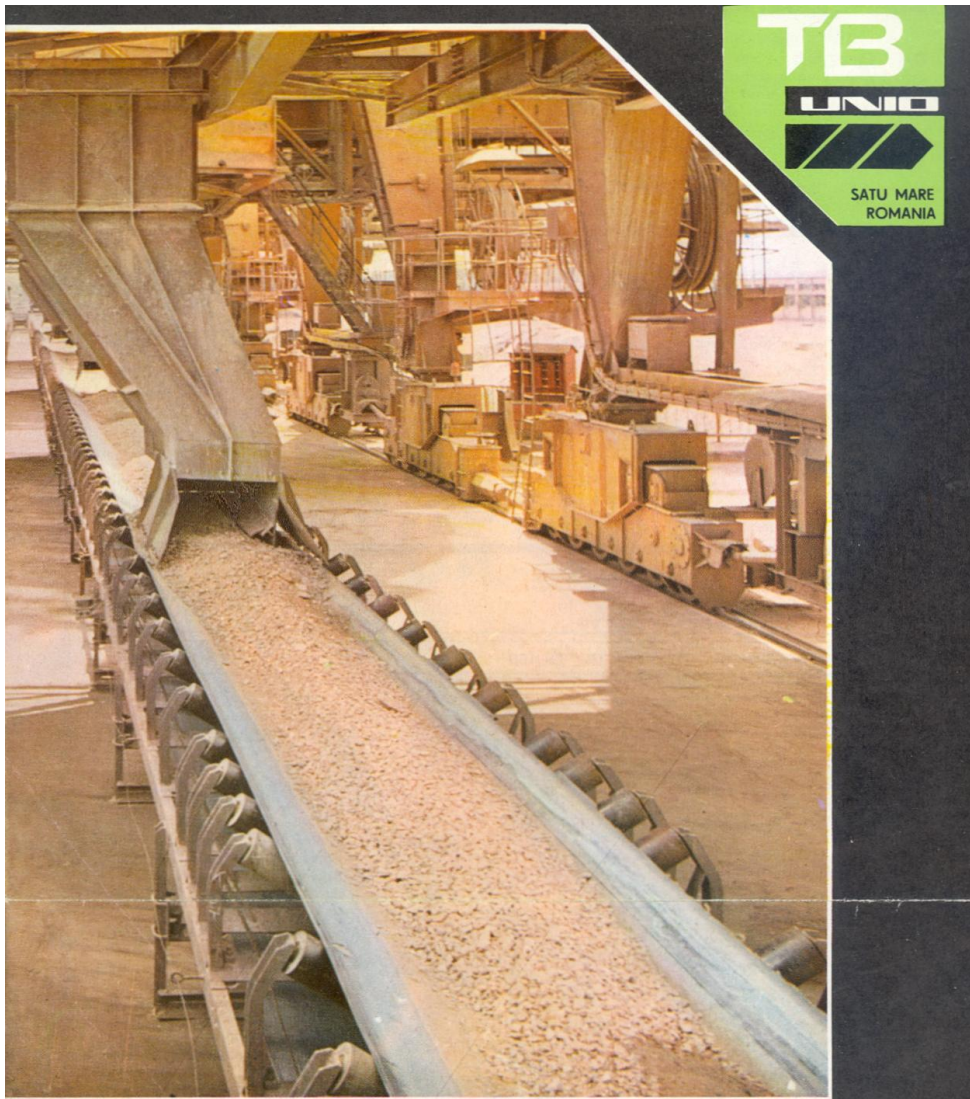


SINCE 19

Satu Mare, Romania

BELT CONVEYERS for general use

fixed



UNIO SA · 35 , Lucian Blaga Blvd. · 440227 Satu Mare

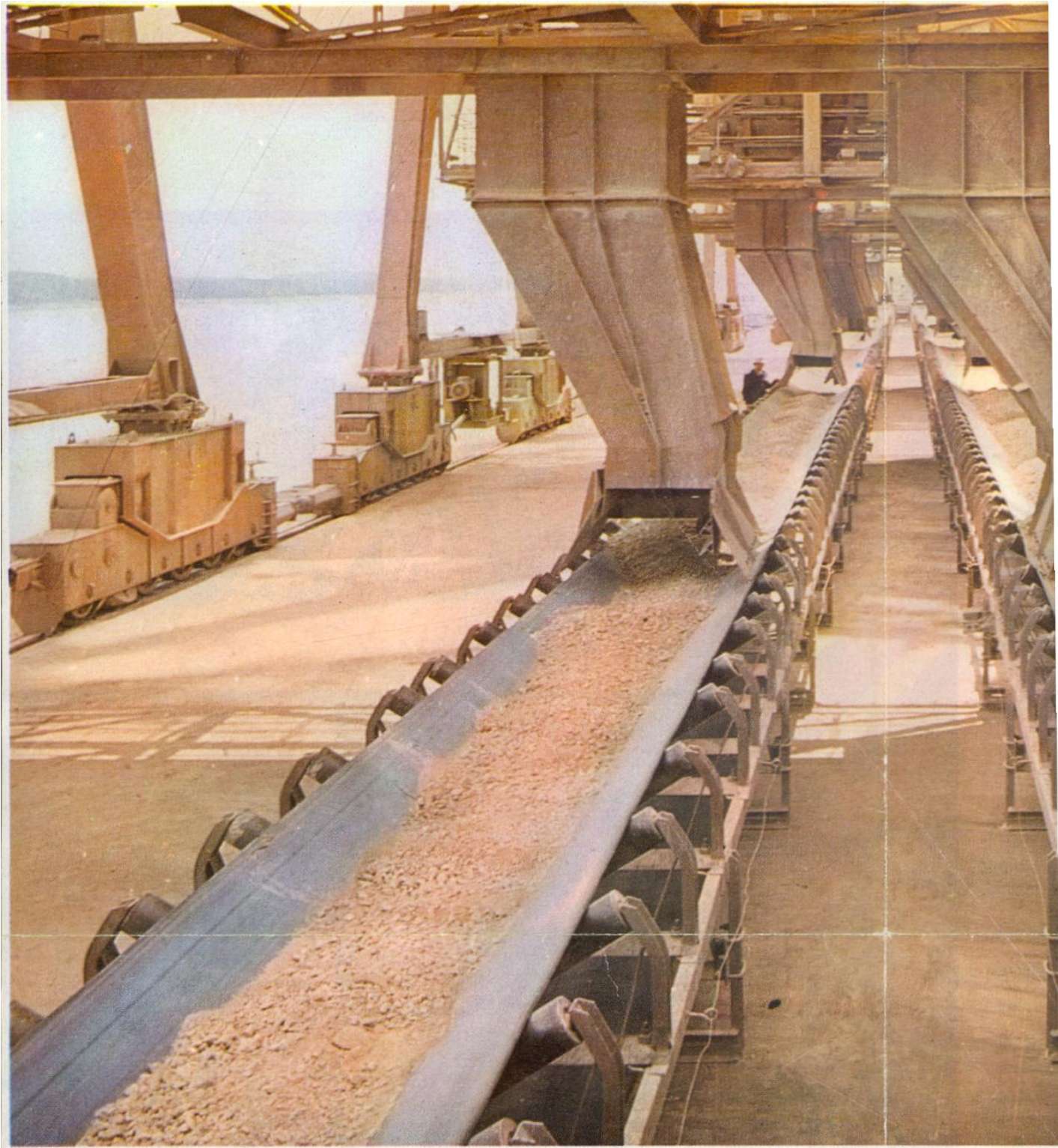
T: +40 261 766120 E-mail: marketing@unio.ro

F: +40 261 761735 Site: www.unio.ro



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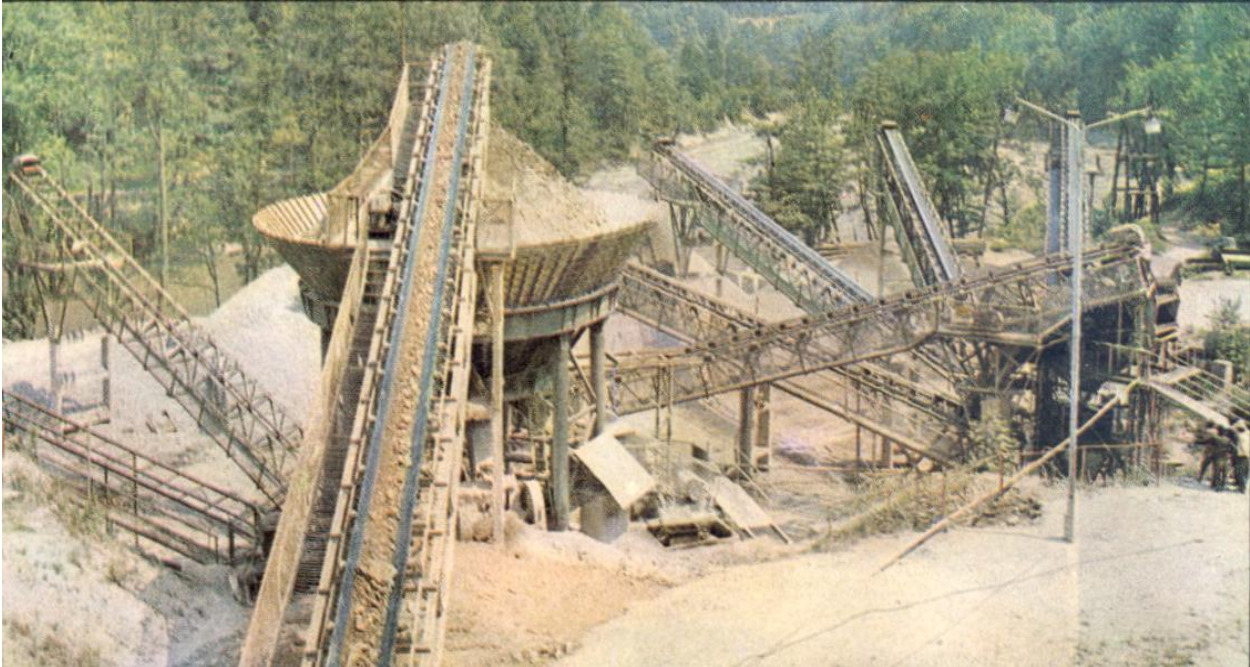
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THE BELT CONVEYERS ARE CONTINUOUS CONVEYING IMPLEMENTS HAVING AS TRACTION AND TRANSPORT FLEXIBLE UNIT A RUBBER BELT WITH SYTHETIC INSERTION OR WITH WIRE CABLES OF FLAT OR THROUGHT SHAPE WHICH ASSURE THE TRANSPORT OF A LOAD FLOW WITHOUT INTERRUPTION ON HORIZONTAL OR INCLINED PLANE





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APPLICATION

The ordinary belt conveyers are destined to bulk materials or isolated pieces transport in the building industry, building materials industry, wood, pulpy and paper converting industry, food industry, energetic industry, chemical industry, metal working industry, agriculture etc, being possible to mount them outdoors, or in workshops, under shelters in tunnels. In normal construction they are suitable for continental temperate climate, ranging between -25°C +40°C relative humidity of air up to 80% at 20°C and max. wind speed at 20 m/s (working conditions) and of 35 m/s (state of rest). According to the characteristics of conveying belt, they may be used for materials transport within temperature range of -25°C +160°C

CONVEYERS CLASIFICATION

The belts conveyers may be classified according to :

- Moving sense of conveying belt
 - one-way conveyers
 - reversible conveyers
- Cross –section shape of belt materials-carrying side
 - flat-belt conveyers
 - through belt conveyers
- inclination of belt materials-carrying side against the horizontal plane
 - horizontal conveyers
 - semi-inclined conveyers
 - inclined conveyer

CONSTRUCTION

The component unit of a belt conveyer are :

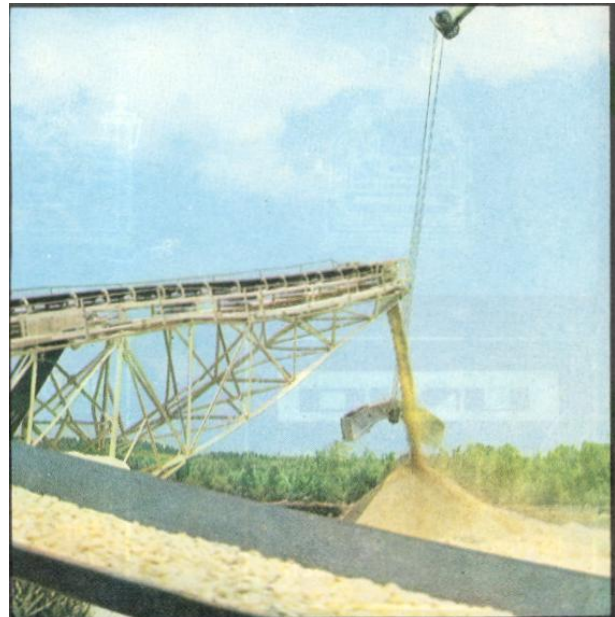
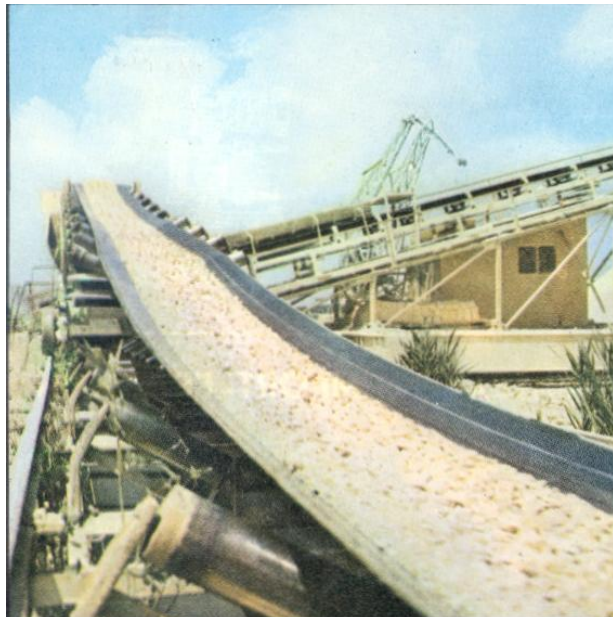
| MECHANICAL EQUIPEMENT | ELECTRIC OUTFIT | METAL STRUCTURE |
|---|---|---|
| <p>The mechanical equipment consists of elements which directly contribute to the conveying belt movement and to assuring the conveyer trouble free operation. It comprises:</p> <ul style="list-style-type: none"> - drive, tail, deviation pulleys - belt rollers - driving unit (excluding the electric motor and the electro hydraulic lifter of brake) - tightening device of conveying belt - belt wiper - conveying belt | <p>The electric outfit consists of:</p> <ul style="list-style-type: none"> - electric motor of belt driving unit - broke electro hydraulic lifter - signaling, safety electric instrumentation | <p>The metallic structure achieve the role of supporting the mechanical and electrical equipments as well as material-control of the conveyed material in the loading and discharge points of conveyer</p> <ul style="list-style-type: none"> - driving head frame, return head frame, tightening device frame, driving unit frame, etc. - rollers supporting longitudinal beam - cover sheet for protection of belt lower strand - posts and supports for side beams and belt support - thoughts and loading frame of conveyer - discharge hoppers - hoods, aprons etc. |



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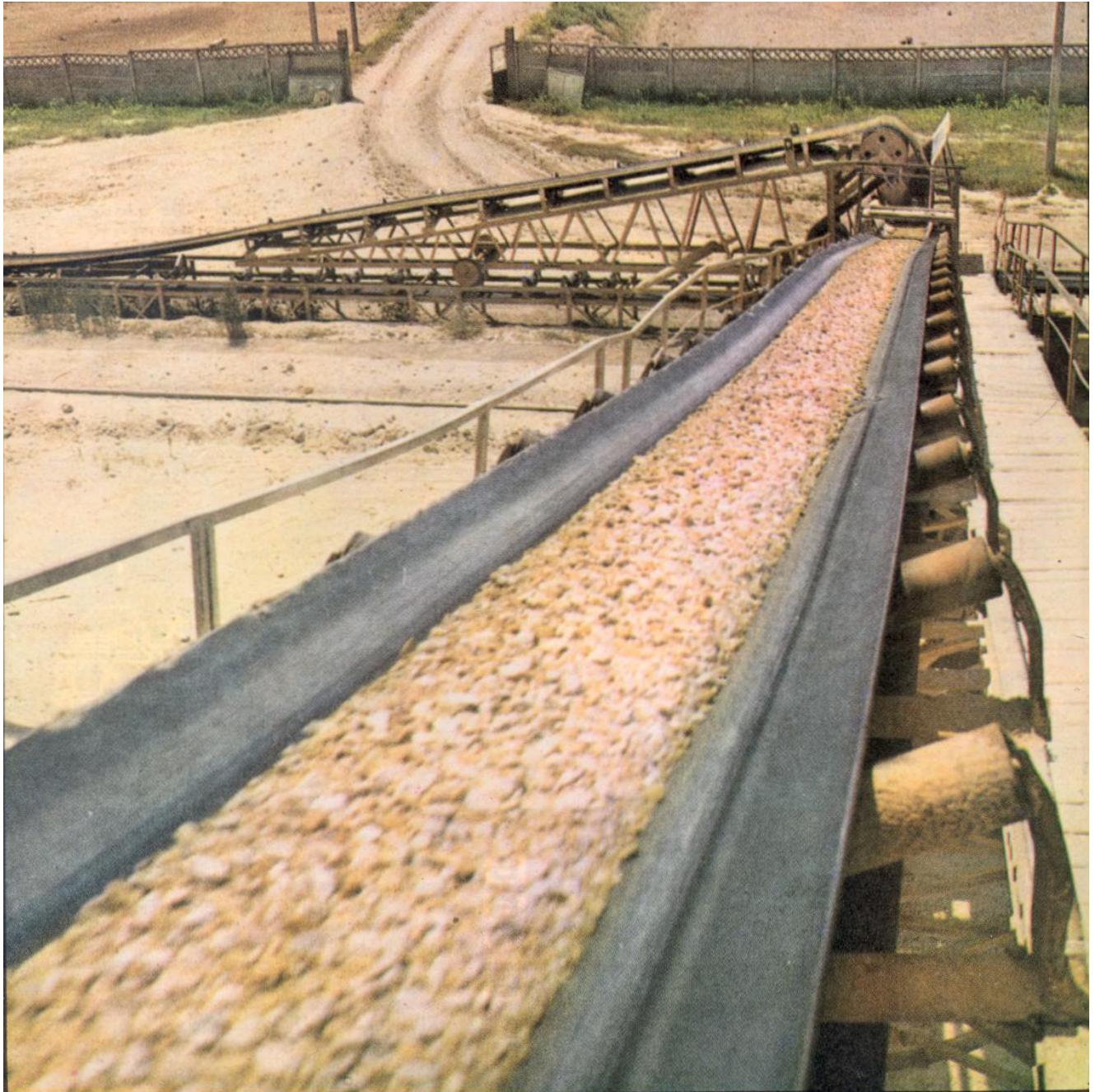
| OPERATING PRINCIPLE | MAIN PARAMETERS | |
|--|--------------------------------|---|
| <p>The traction and transport unit of conveyer is the conveying belt driven by adherence to the driving drum. This at its turn is driven driven by a driving unit consists of an electric motor and a speed reduction unit. The material is usually charged at the return head and it is discharged either on the line - by means of the fixed or moving dischargers – or at the driving head.</p> | <p>Width conveying belt</p> | <p>400 mm 500 mm 650 mm 800 mm 1000 mm 1200 mm 1400 mm 1600 mm or mutually established widths</p> |
| | <p>Speed of conveying belt</p> | <p>up to 6.3 m/s</p> |
| | <p>Conveying capacity</p> | <p>up to 18000 t/h</p> |
| | <p>Installed power</p> | <p>up to 4X315 kW</p> |





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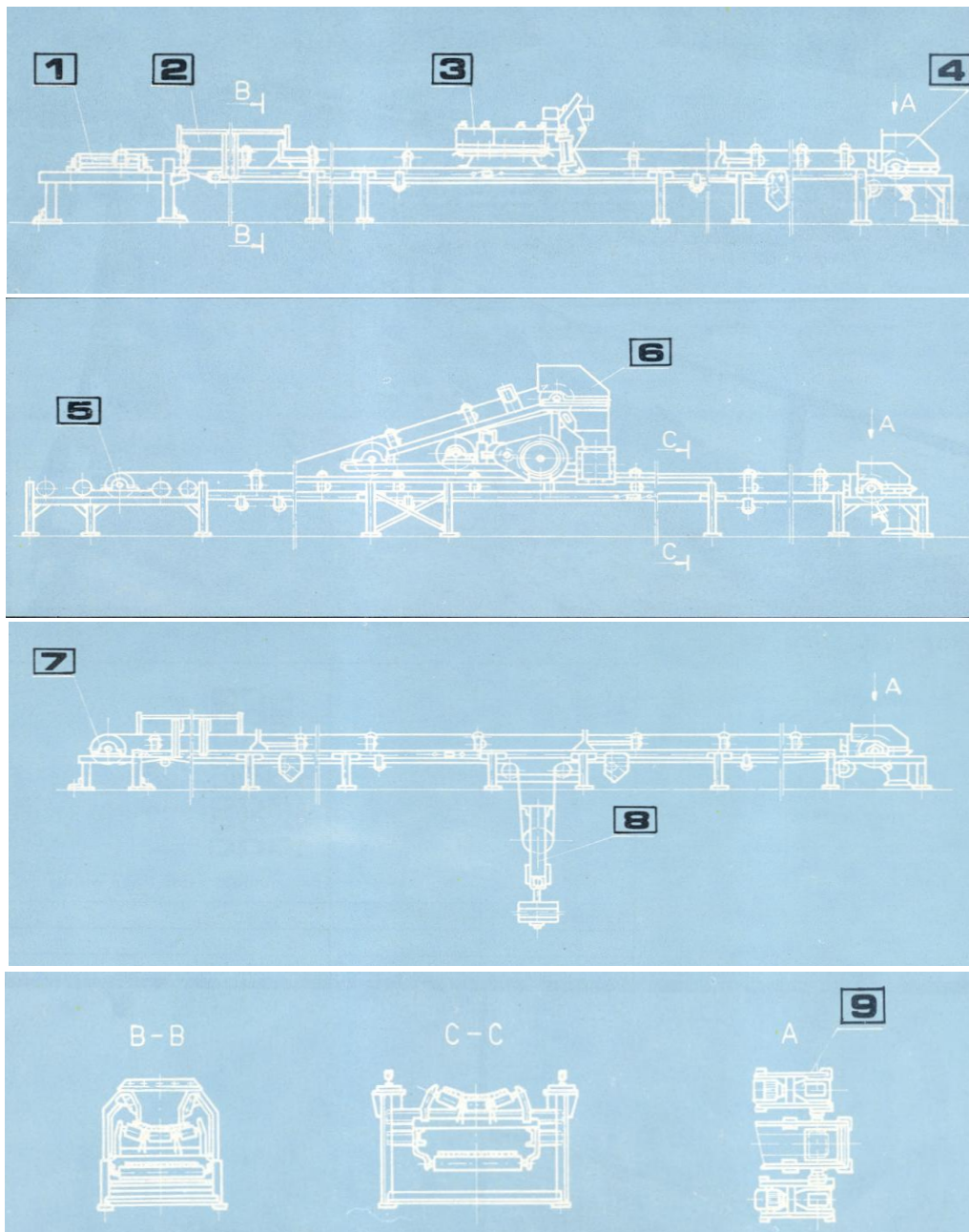
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1 TENSIONING HEAD WITH SCREW

2 LOADING CHUTE

3 STATIONARY DISCHARGER WITH PLOW

4 DRIVING HEAD

5 TENSIONING HEAD WITH TROLLEY

6 STATIONARY DISCHARGER WITH PLOW

7 RETURN HEAD

8 VERTICAL TENSIONER

9 DRIVING GROUP