

CARRYING ROLLER CONVEYOR

The system designed for transporting a wide variety of parts and parts carriers

- Driven and non-driven roller conveyors for transporting a wide variety of products
- Impervious to dirty and wet parts or parts carriers



Transport media:	Carrying rollers with hardened steel casing, other materials and surface coatings on request
Roller diameter:	50 / 60 mm,
Roller spacing:	65 ... 150 mm,
Load:	max. 100 kg / Roll , (depends on width) max. 1 500 kg per conveyor
Possible roller versions:	without drive, with fixed drive, with integrated friction clutch, non-adjustable, (Advance approx. 5 ... 7% of the weight to be conveyed) Diverse coatings of roller casing possible,
Conveying speed:	depending on part weight, up to approx. 25 m/min

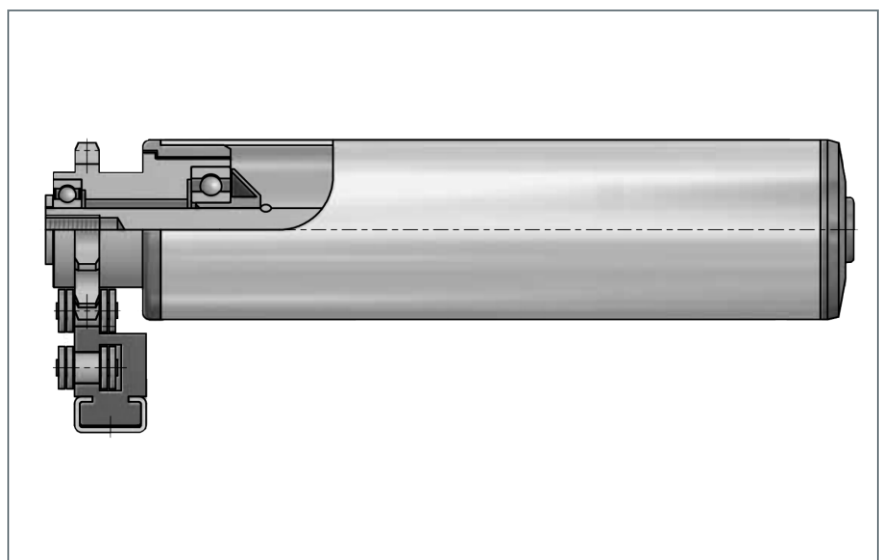
Rollers

The transport rollers are manufactured individually for every application based on the width of the roller track. Different materials, coatings and forms are available for delivery.



Roller drive

The transport rollers are driven via a one-sided chain sprocket with the aid of a tangential chain. As a result, individual rollers can be removed from the top at any time without dismantling the drive.



Structure of conveyor systems

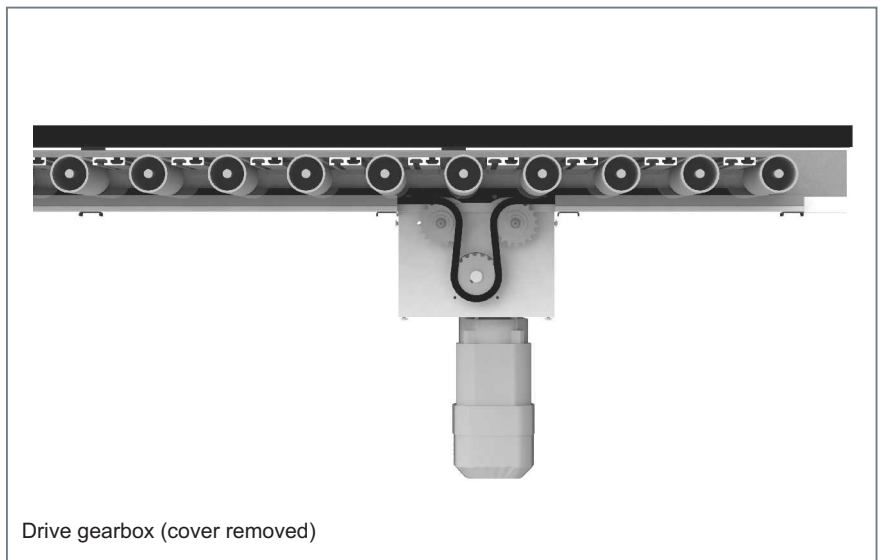
The carrier profile of the ALTRATEC carrying roller conveyors is an aluminium profile 25 x 100.

The tangential chain drive is encased over the entire length of the conveyor. This protects both the drive system from dirt and debris and the workers from inadvertently touching the chain.



Drive motor

The conveyor's drive motor can be placed at any point along the conveyor. The chain is guided to the drive wheel via two chain return sprockets which are also used to maintain the chain's tension. ALTRATEC carrying roller conveyors are equipped as standard with three-phase geared motors manufactured by the company SEW.



The supports

The support systems consisting of ALTRATEC aluminum profiles are characterized by ruggedness and great variability. They ensure a millimeter-precise and permanent alignment of our ALTRATEC conveyor systems.

Adjustable feet with steel or plastic disks can be adapted to all given floor conditions and are used for adjusting the conveyor systems.

Foundation mounting brackets guarantee stability during operation.



Modules

For transverse transport ALTRATEC carrying roller conveyors can be combined with lift/transverse units of other ALTRATEC conveyance systems.



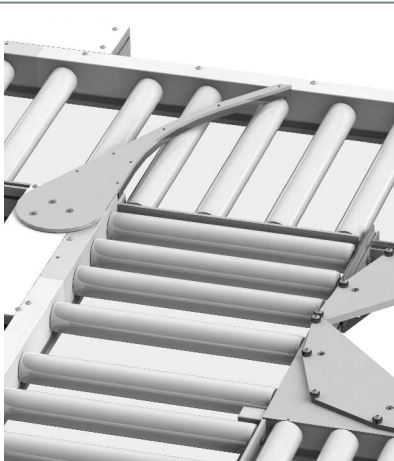
Lift/transverse unit with double belt conveyor



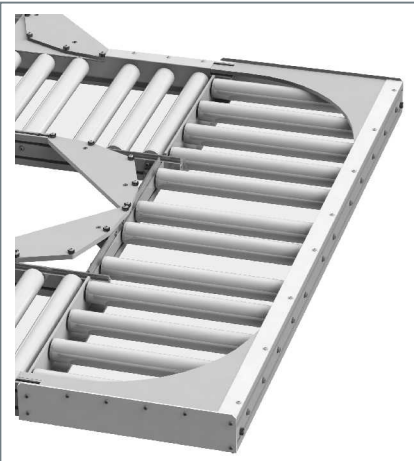
Lift/transverse unit with chain conveyor

Switch modules are used for connecting individual conveyors and thus for setting up complex topologies.

The running direction of WP carriers/ parts can be influenced by using a moving switch blade, if necessary.



Switch with moving blade as branch



Switch with fixed blades as reversal

To change the direction of transport while maintaining the orientation of the material or product being conveyed, conveyors can be used on rotary units or curved roller tracks with conical rollers.

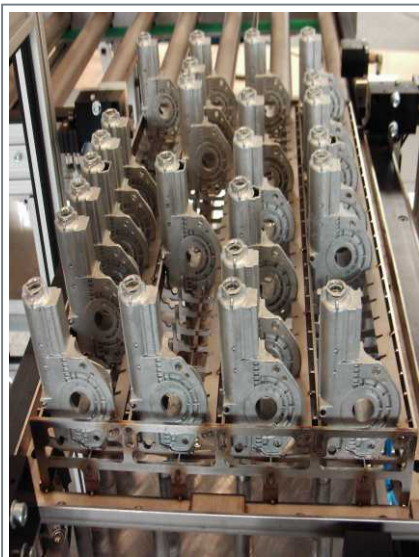


Curved roller track with conical rollers

Sample systems

ALTRATEC carrying roller conveyors are well suited for transporting a wide variety of goods that have a base which is not suited for conveyance with chains or belts. All danger zones existing between moving parts are safely covered at manual workstations.

Rollers can be furnished either partially or completely with different coatings in order to improve entrainment or protect sensitive surfaces.



ALTRATEC Automation GmbH

Stuttgart Plant
Am Längenbühl 1
71229 Leonberg
GERMANY
Ph. +49 7152 3 56 56-0
Fax. +49 7152 3 56 56-29
www.altratec.de · info@altratec.de

Certified according to DIN EN ISO 9001

ALTRATEC Automation GmbH

Chemnitz Plant
Südstraße 9
09221 Neukirchen
GERMANY
Ph. +49 371 28134-0
Fax. +49 371 28134-34
www.altratec.de · info@altratec.de

China Plant

Bachtel Ltd.
Suzhou New District, Suzhou City,
Jiangsu Province
China, PC. 215151
Ph. +86 512 65 36 00 65
Fax. +86 512 65 36 09 06