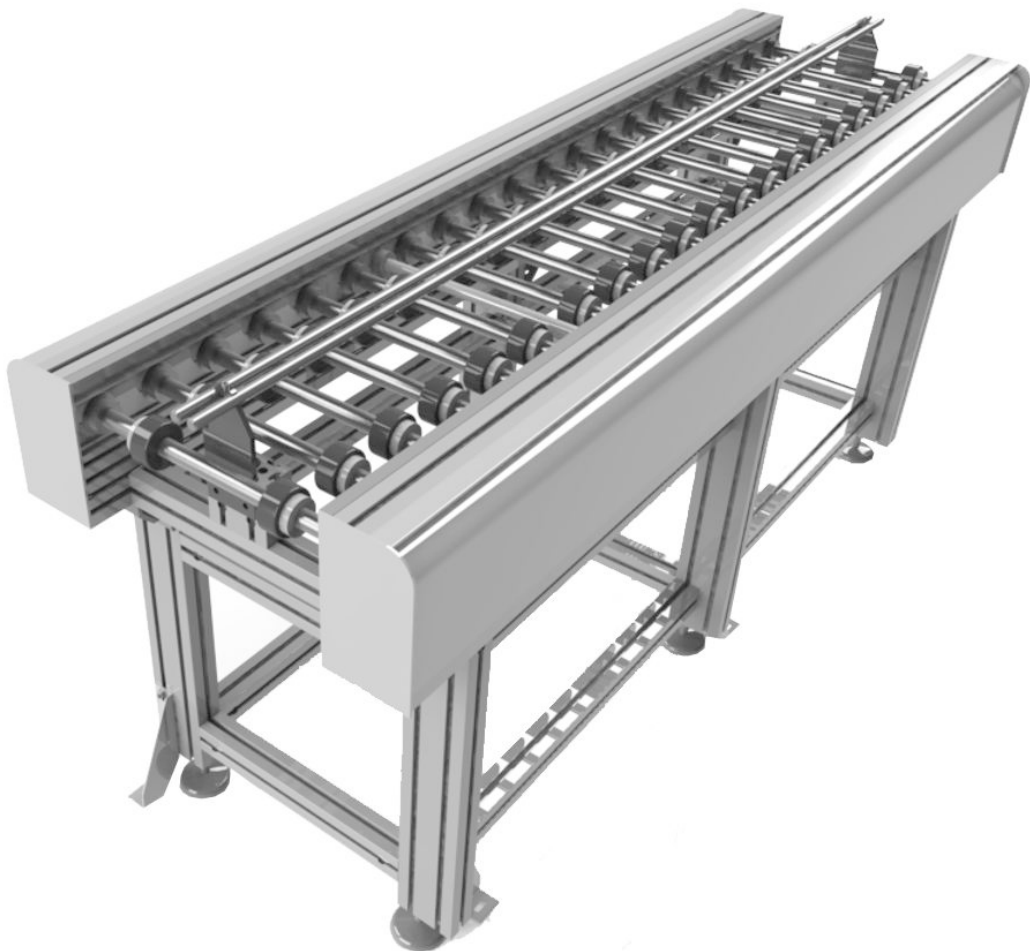


FRICTION ROLLER CONVEYOR WITH ADJUSTABLE FRICTION

The reliable and economic solution for conveying large, sensitive parts not placed in a workpiece carrier

- Transport system without WP carriers designed for interlinking steps within machining production
- The rugged and individual transport solution for careful conveyance of workpieces



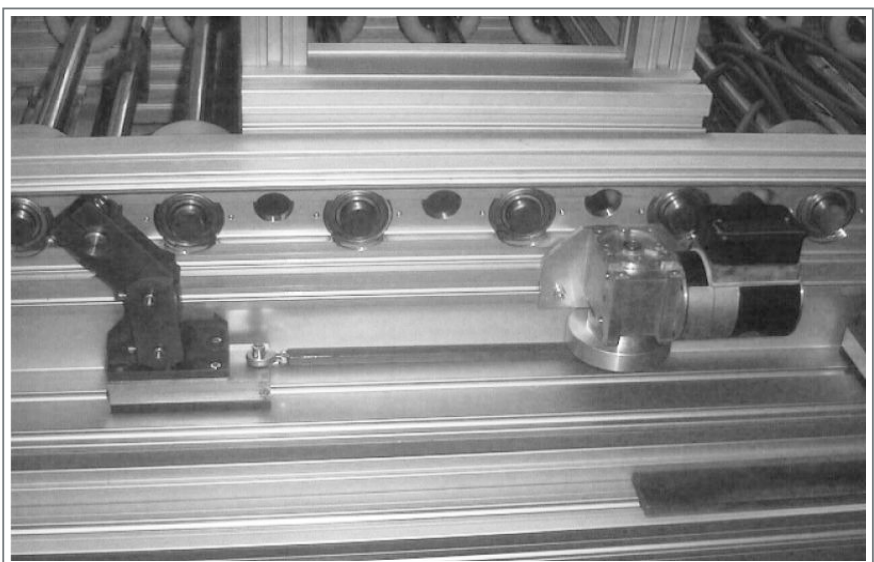
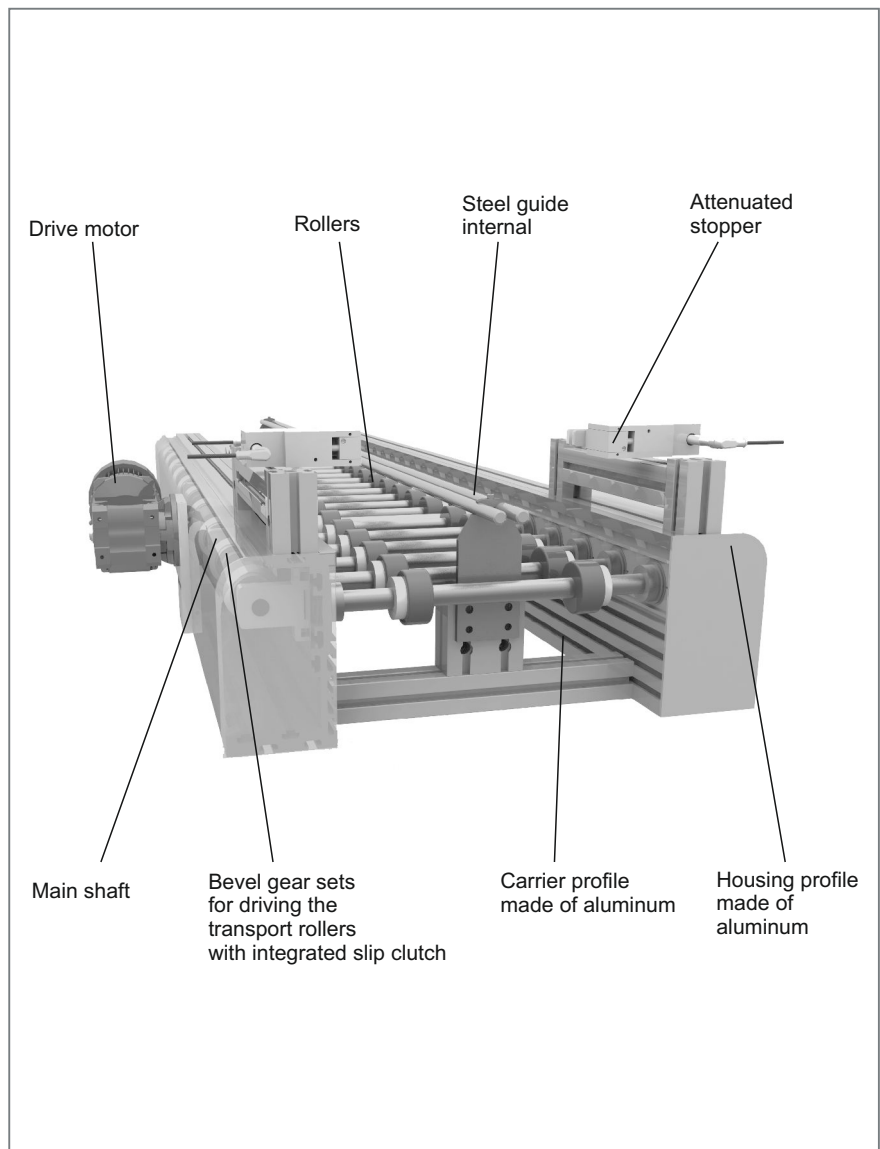
FRICTION ROLLER CONVEYOR WITH ADJUSTABLE FRICTION

Careful conveyance

The rollers are driven individually via adjustable slip clutches. The advancing force can be adapted individually to the requirements at every position of the conveyor. Workpieces that also have sensitive or fragile machined surfaces can be transported safely thanks to careful selection of roller material and shape.

Individual selection of separators

The workpieces can be stopped by using conventional, pneumatic, damped or non-damped separators. If necessary, an equipment variation with electro-mechanical separators is also possible, where the drive system is located within the protective enclosure.



FRICTION ROLLER CONVEYOR WITH ADJUSTABLE FRICTION

Transport media:	Rollers made of steel or plastic, adaptable to workpiece contour
Conveying speeds:	3 ... 6 m/min
Workpiece dimensions:	220 x 220 ... 1 500 x 1 500 mm (other sizes available on request)
Workpiece weight:	bis 500 kg
Positioning accuracy of workpieces:	+/- 0.15 mm
Roller friction:	individually adjustable via slip clutches

Drive

The drive is implemented using a continuous main shaft along the conveyor. It supports bevel gears for driving every individual roller. The friction of the hub of every bevel gear on the main shaft is set using a clamp ring.



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.

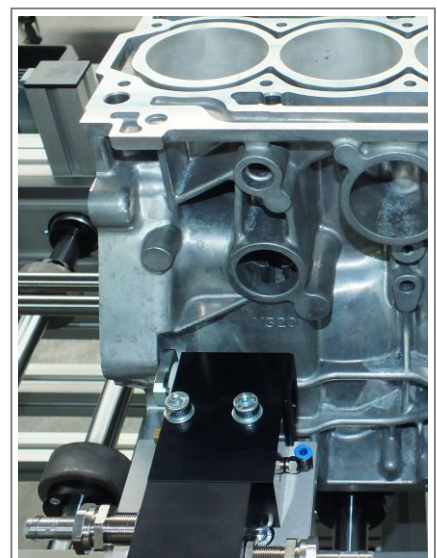
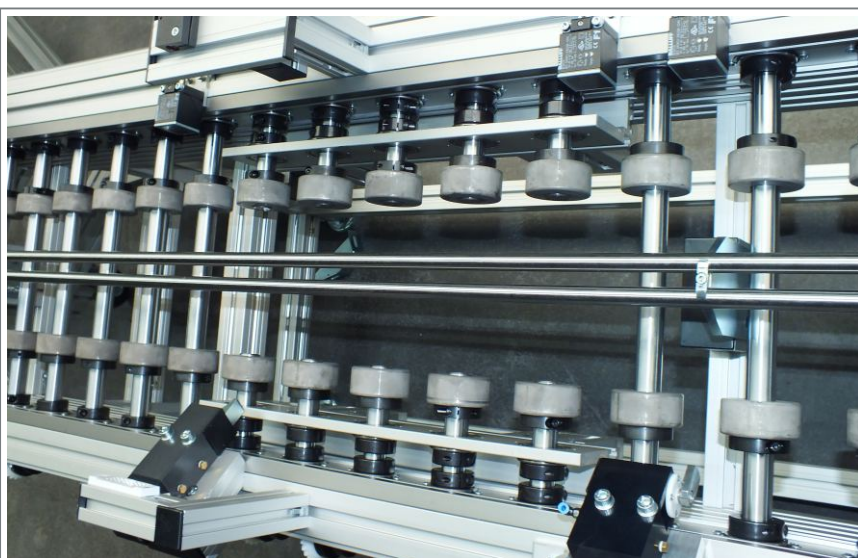
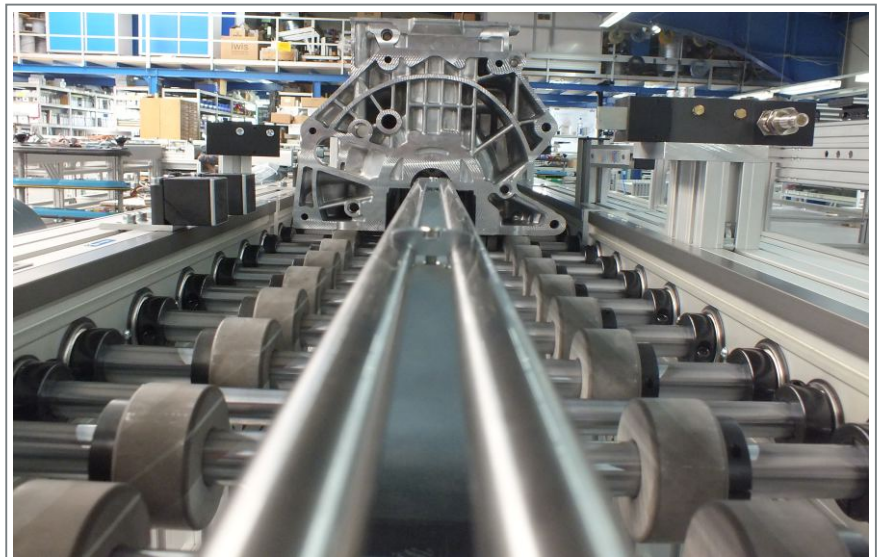
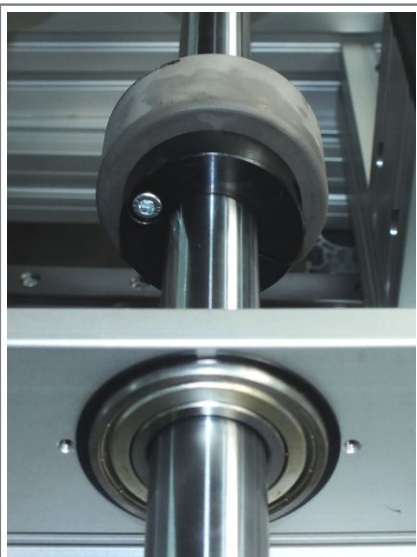
Adjustable feet with steel or plastic disks can be adapted to all given floor conditions and are used for adjusting the conveyor systems. Foundation mounting brackets guarantee stability during operation.



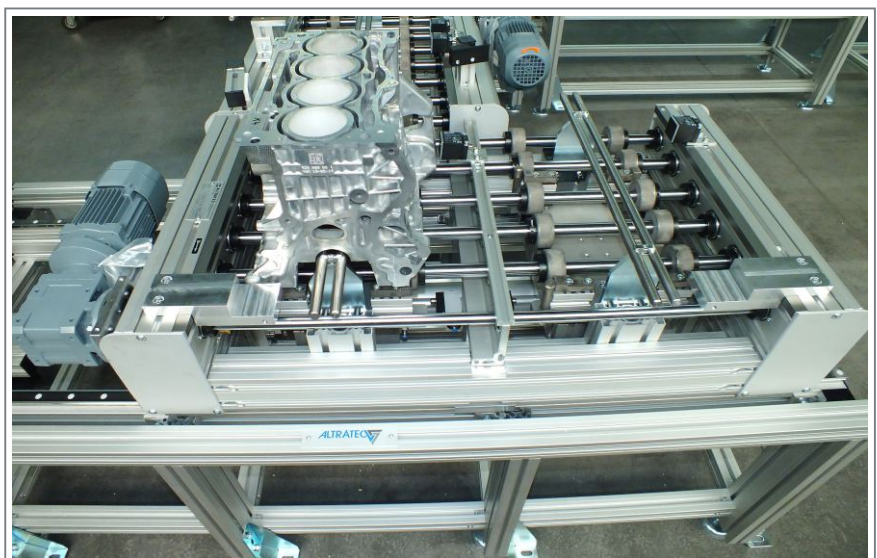
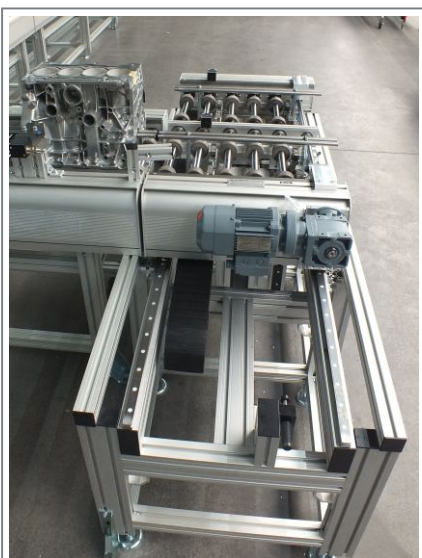
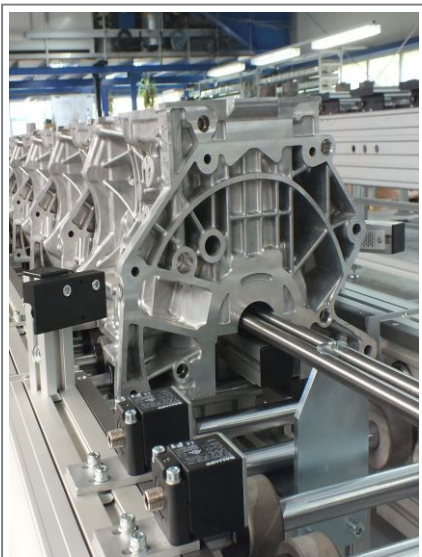
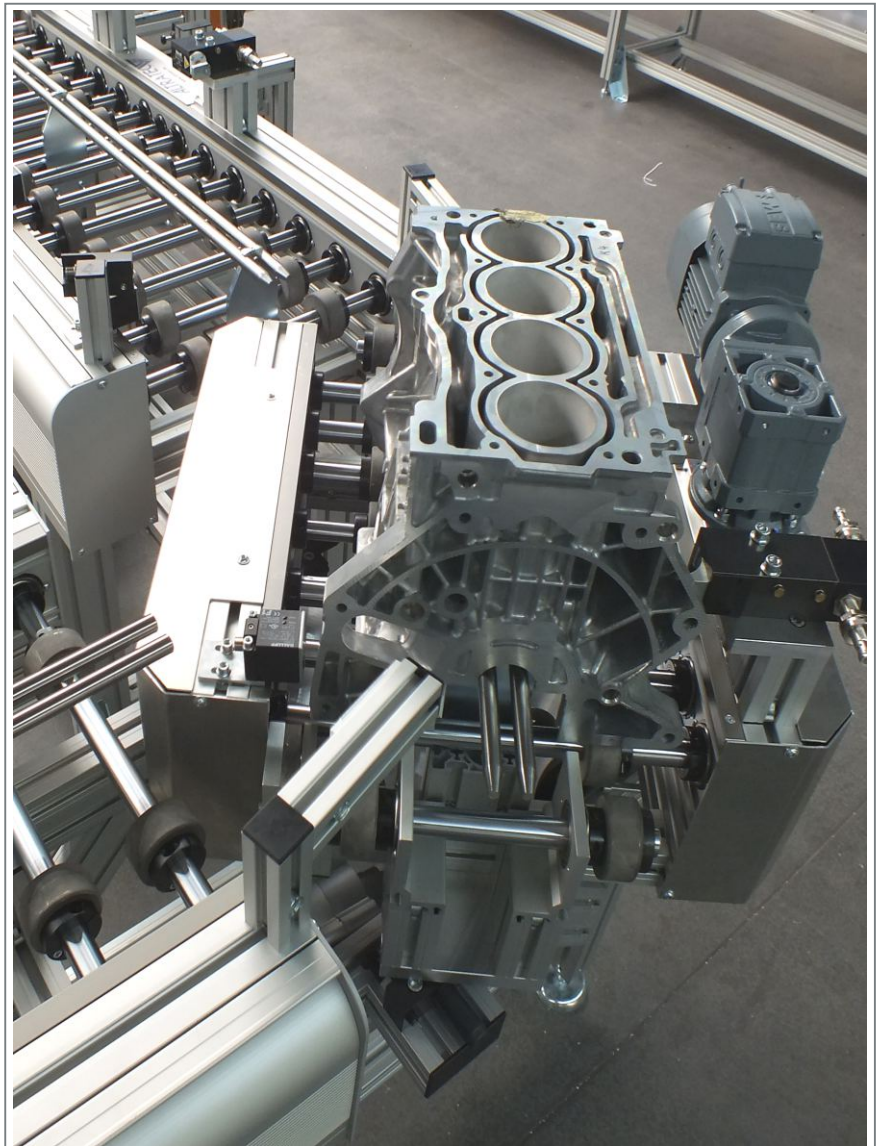
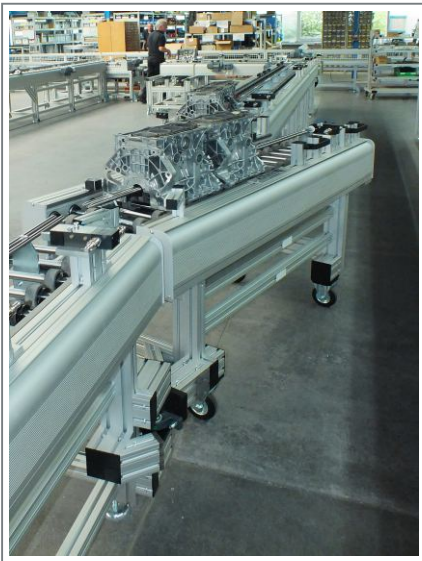
FRICTION ROLLER CONVEYOR WITH ADJUSTABLE FRICTION

Special designs

By combining two roller conveyors below and above the workpiece with a cage rotating laterally to the direction of transport, it is possible to both rotate the workpieces and "remove" residual cooling lubricant from the workpiece openings.



FRICTION ROLLER CONVEYOR WITH ADJUSTABLE FRICTION



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