FRICION 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
**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.
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.
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.
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