

MTA
DRUM MOTORS
BELT MODULE
DRIVE

MTA
innovation is our drive

***Compact power package
for product separation***



REVOLUTIONARY ACCELERATED: Innovative drive for highly dynamic movement processes

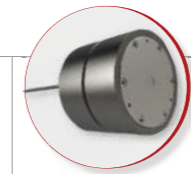


This gearless direct drive redefines innovation:

Integrated directly **into the pulley**, this groundbreaking solution eliminates all the disadvantages of conventional geared motors, which are usually flanged to a pulley.

The result? A compact, efficient drive unit without compromising performance. Groundbreaking technology that takes efficiency and reliability to a new level.

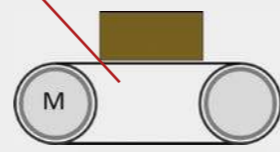
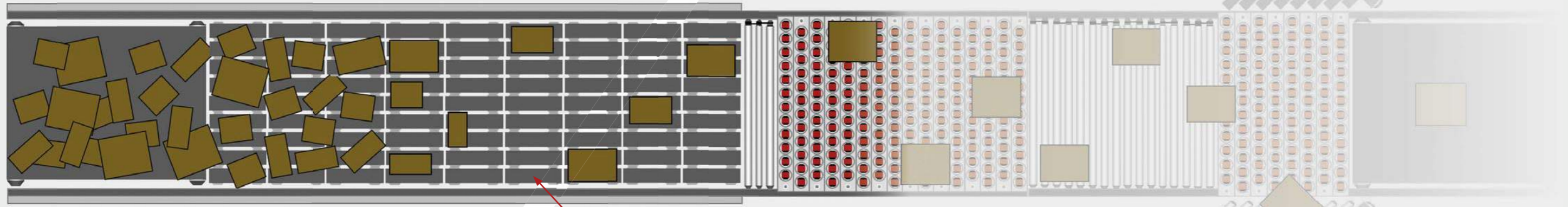
Belt module drive		
Voltage	VDC	48
Speed	m/s	4.4
Nominal torque	Nm	8
Maximum torque	Nm	32
Housing diameter	mm	149
Length	mm	119
Encoder / Feedback		Magn. encoder
Ambient temperature	°C	0 ... 65



The impressive technical data of our drive system impresses with highest performance, excellent efficiency and a robust design that meets the requirements of demanding applications.

Application

Our drive is **ideal for use** in conveyor modules for **product separation**.



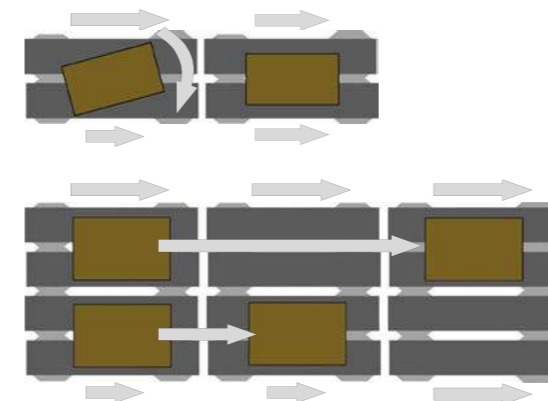
Belt module drive Deflection disc

Specially developed for the **highly dynamic** package processing of chaotic package flows, this belt module drive offers **custom** solutions for separation systems and the **precise** alignment of packages. An innovation that redefines efficiency and speed for modern logistics.

Properties

- **Compactness:** As no external gearbox is required, the size of the overall system is significantly reduced. This enables space-saving integration.
- **Efficiency:** The direct drive eliminates the energy loss normally caused by the gearbox. This leads to higher overall efficiency of the drive system.
- **Low maintenance:** Traditional geared motors require regular maintenance, especially of the gearbox. The gearless direct drive reduces the number of moving parts. No maintenance is required.
- **Noise reduction:** Geared motors produce noise due to friction and wear. The gearless direct drive eliminates vibrations and noise, resulting in reduced noise emissions.
- **Faster response times:** By integrating the motor directly into the pulley, the gearless direct drive enables faster transmission of torque and improved response time.
- **Precision:** The direct connection between motor and pulley enables precise control and positioning.

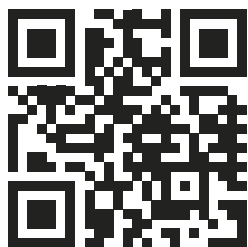
Functions



Alignment:
Rotated packages are aligned using highly dynamic acceleration processes.

Separation:
Package items arranged next to each other are separated for subsequent logistics. By means of accelerating processes, packages arranged in parallel are arranged one behind the other.

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