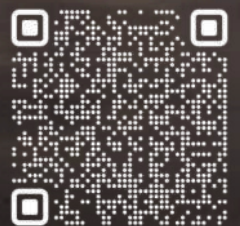




Airport Solutions

Modular conveyor technology for check-in, self bag drop, and security screening systems



Welcome to Montech AG

Your specialist for conveyor, handling, and framing system technology



Swiss expertise

As a Swiss technology company, we are one of the leading providers of modular conveyor systems, cleanroom conveyors, transfer systems, aluminum framing, and machine guarding solutions. Our core expertise lies in industrializing and standardizing high-quality components that offer maximum flexibility and reliability.

Modular design

Our solutions are used in a wide range of industries, including the airport industry as well as automation, mechanical engineering, automotive, electronics, pharmaceuticals, and packaging. Every product is engineered for long-lasting performance, consistent quality, and seamless integration.

We combine proven modular systems with tailor-made adaptations to meet the specific needs of each customer. This makes Montech a trusted partner for efficient, scalable, and future-proof production environments.

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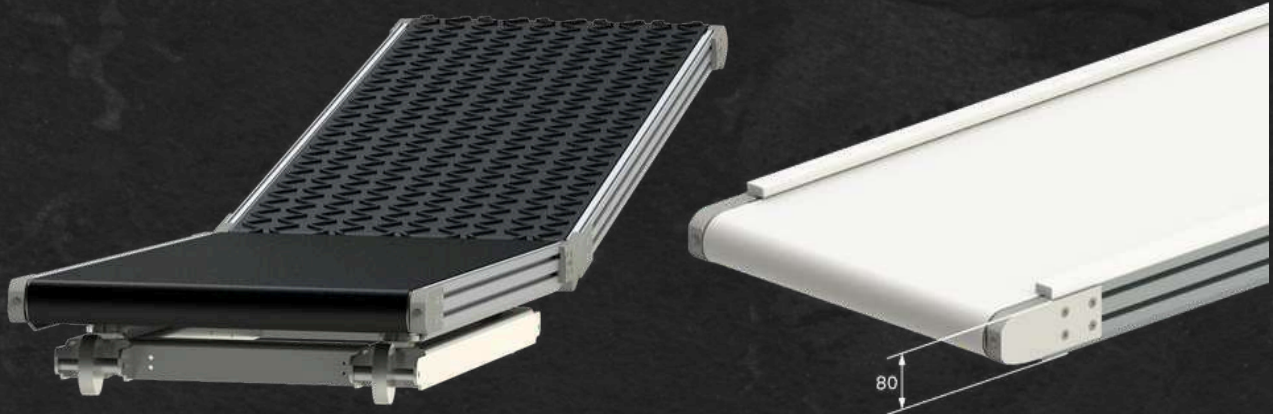
TB40 conveyor for Self Bag Drop

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TB40

Compact belt conveyor



Compact & Powerful Belt Conveyor

The TB40 is a compact and powerful conveyor designed for applications that demand high performance in minimal space. Its integrated 24 V BLDC motor with an 80 mm installation height is built directly into the drive roller, ensuring precise conveying, low energy consumption, and maximum safety through extra-low-voltage operation.



High Performance

Integrated 24 V BLDC motor for precise and reliable conveying.



Low Voltage & Safety

Safe 24 V operation with low energy consumption.



Modular Design

Configurable dimensions and accessories for flexible layouts.



Easy Integration

Fast integration into airport and X-ray systems.

Technical Data	TB40
Conveyor length	Max 6'000 mm
Conveyor widths	300 - 800 mm
Motor	24 V BLDC motor
Installation height	80 mm
Drive	Integrated in the drive roller

RB4020/5025

Single-track roller conveyor



Precise and Modular Roller Conveyor

The RB4020/5025 single-track roller conveyor is a linear transport system with precision-bearing support rollers. The RB4020 with 20 mm rollers is ideal for smaller or lighter products, while the RB5025 with 50 mm rollers is designed for larger or heavier goods. Width, roller spacing, and track length can be configured to the millimeter for precise integration. Its modular design allows easy extension and adaptation to changing process requirements.



Precise Transport

Controlled conveying with precision-bearing rollers.



Two Roller Sizes

20 mm or 50 mm rollers for different product sizes and weights.



Modular Design

Configurable dimensions for flexible layouts and applications.



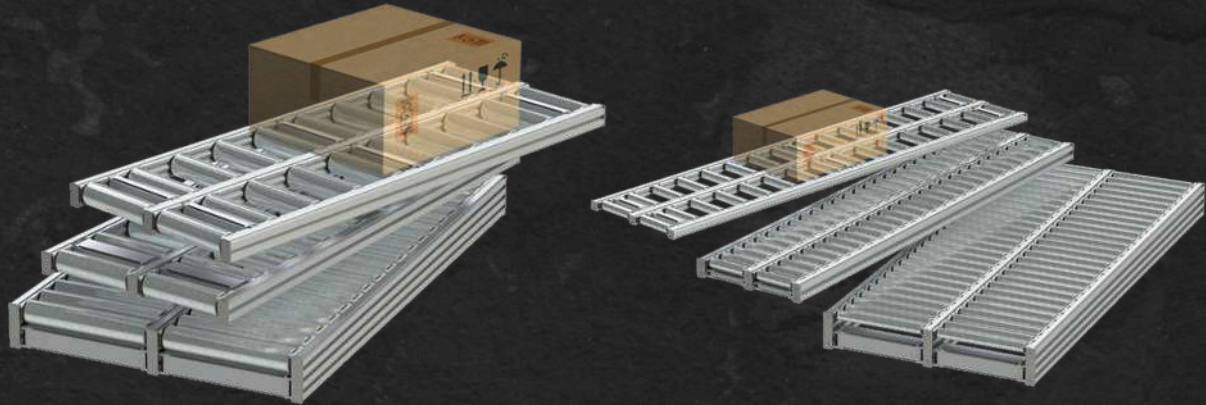
Easy Integration

Ideal for feed sections, test stations, and manual handling areas.

Technical Data	RB4020	RB5025
Idler roller \varnothing	20 mm	50 mm
Conveying width	65 – 80 mm	85 – 100 mm
Frame height	20/40/80 mm	50/100 mm
Max. conveyor length	3'000 mm	3'000 mm
Load capacity per roller	max. 9 kg	20 kg

RB4020/5025

Double-track roller conveyor



Stable Double-Track Roller Conveyor

The RB4020/5025 double-track roller conveyor consists of two parallel tracks, enabling stable transport of wider or heavier products. The RB4020 features 20 mm support rollers, while the RB5025 uses 50 mm rollers for higher loads. The distance between the tracks can be configured as needed, allowing precise adaptation to different layouts and transport requirements. Its modular design enables easy integration into new or existing conveyor systems.



Stable Transport

Two parallel tracks ensure high lateral stability.



Two Roller Sizes

20 mm or 50 mm rollers for different product sizes and loads.



Flexible Track Spacing

Adjustable track distance for optimal integration into layouts.



Easy Integration

Ideal for parallel flows and integration into existing lines.

Technical Data	RB4020	RB5025
Idler roller \varnothing	20 mm	50 mm
Conveying width	150 – 1'620 mm	195 – 2'025 mm
Frame height	20/40/80 mm	50/100 mm
Max. conveyor length	3000 mm	3000 mm
Load capacity per roller	max. 9 kg	20 kg

TB40 belt conveyor for Security Screening Systems



Efficient integration

The TB40 conveyor and the RB4020 roller conveyor are the ideal solution for integration into X-ray security screening systems. Thanks to an installation height of only 80 mm and an integrated 24 V DC motor, the TB40 enables compact system layouts and easy integration into various detection systems. The RB4020 roller conveyor perfectly complements the security screening process and ensures a smooth and efficient baggage flow before and after the X-ray inspection.



Seamless Integration

Easy connection to various detection systems.



Low Voltage Safety

Safe 24 V operation with no additional touch protection required.



Compact Design

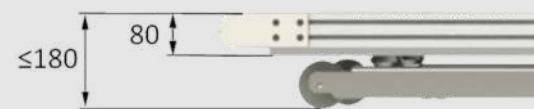
Only 80 mm installation height for space-saving integration.



High Image Quality

Dedicated belts ensure optimal X-ray image results.

TB40 belt conveyor for Self Bag Drop



Efficient bag drop integration

With a height of only 80 mm, or up to 180 mm with an integrated scale, the TB40 improves passenger comfort and simplifies baggage drop-off. The modular design enables flexible integration into check-in and self-bag-drop systems, while the low-noise conveyor belt ensures reliable baggage transport.



Low Overall Height

Only 80 mm height, up to 180 mm with integrated scale.



Low Voltage & Safety

Safe 24 V operation suitable for unattended passenger areas.



Passenger Comfort

Reduced lifting height simplifies baggage check-in.

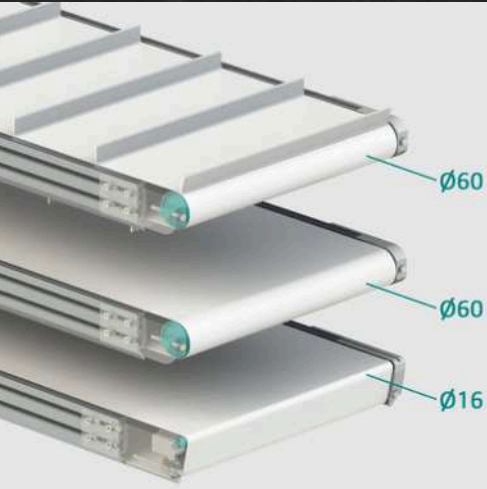


Durable Belt System

Flame-retardant, quiet belts for reliable long-term performance.

The compact TB40 design without lateral contours optimizes the available space and supports efficient system layouts. The 24 V DC motor enables conveying loads of up to 200 kg and complies with low-voltage directives, eliminating the need for additional contact protection measures and simplifying integration for system planners.

Technical information



MONTECH

The Future of Airport Logistics



The compact design of the TB40 conveyor without lateral contours optimizes the available installation space and supports high-performance conveying processes. The integrated 24 V BLDC motor enables conveying loads of up to 200 kg and complies with international low-voltage directives, meaning no additional contact protection is required. This simplifies system design and increases operational safety.

For traditional staffed check-in counters, the TB40 offers a robust, ergonomic, and space-saving solution. The low installation height reduces the lifting height for passengers and operators and simplifies daily baggage handling, even for heavy or oversized luggage.



The low-noise operation, high durability, and easy integration into existing layouts make the TB40 a reliable solution for long-term use at airports.



MONTECH

FAQs

Why choose Montech for airport check-in applications?

Our modular and compact conveyors integrate seamlessly into check-in counters and self bag-drop systems, ensuring smooth baggage handling with minimal space requirements.

Why TB40 for self check-in & bag-drop integration?

The TB40's ultra-low 80 mm profile, quiet 24 V drive, and clean side contour allow it to be easily built into bag-drop housings without interfering with surrounding components.

How does Montech support X-ray and security screening?

The TB40 provides stable, vibration-free infeed into the X-ray scanner, ensuring accurate image capture and smooth baggage flow. The RB4020/RB5025 roller conveyors handle efficient outfeed, maintaining consistent spacing and controlled transfer.

Can conveyors be adapted to different bag-drop designs?

Yes. Length, width, and accessories can be configured to fit OEM counter designs, weighing units, and integrated scanning or release mechanisms. The modular system architecture allows flexible adaptation to various self bag drop layouts while maintaining smooth operation and safety compliance.

What advantages do airport operators and OEMs gain?

Faster passenger processing, ergonomic luggage handling, reduced maintenance, and energy-efficient operation.

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