



## Conveyor Belt Kit

The Conveyor Belt Kit is a highly integrated modular component developed by Dobot for practical training. It supports various features including automatic loading, transportation, inspection and more. Its high compatibility allows combined usage with a number of robots including the DOBOT MG400, CR series and Magician E6. By combining the use with DOBOT Training System and other components, users can benefit from enhanced training results as automation scenes can be easily simulated.

### Key Features

#### Lightweight and Highly-integrated

With a lightweight and highly-integrated design, it can be set up on tables, floors and training systems by just tightening screws for quick deployment.

#### Various Combinations for Better Simulations

Works with the DOBOT Training System, CR series and Magician E6 and PLC modular components to simulate various scenarios, satisfying training needs.

#### Compact and Multifunctional

Supports various functions such as automatic loading, checks for item and conveyor belt travel distance with real-time feedback on the accurate item position on the conveyor belt. It can collaborate with robots for dynamic item tracking and picking. It also has a wide range of ports to support plug-and-play for easy operation.

## Application Scenarios

Applicable in practical training and lab courses in vocational schools and higher education, occupation skills training and certification, automation competitions, on-the-job training, project development in research institutions and more.

## Specifications

|                      |   |                          |
|----------------------|---|--------------------------|
| Product Name         | Conveyor Belt Kit   |                          |
| Main Body Dimensions | 583 ± 8 mm x 115 mm x 180 ± 5mm   |                          |
| Belt Dimensions      | 583 ± 8 mm x 55 mm x 140 ± 5mm  |                          |
| Power Input          | DC 24V  |                          |
| Current              | About 1A  |                          |
| Speed                | About 40 mm/s   |                          |
| Automatic Loading    | Operates using linear actuator for 50 mm                                    |                          |
| Material Inspection  | Photoelectric sensor, inspection on the presence of material in 0 to 100 mm |                          |
| Incremental Encoder  | Resolution  | 1,000 P/R                |
|                      | Output Signal   | ABZA/B/Z/ signal phasing |
|                      | Diameter  | 40 mm                    |
|                      | Voltage   | DC 5V                    |
| Certifications       | CE, RoHS  |                          |

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