

Various Options for JEDEC Tray FEEDER

Various Conveyor Length

- 25" Conveyor, 635 mm (Standard)
- 20" Conveyor, 510 mm, built to order
- 30" Conveyor, 762 mm, built to order
- 886 mm Conveyor, built to order
- 1134 mm Conveyor, built to order
- 140 mm Open Conveyor, tray to leave the conveyor, built to order

Communication Interfaces

Serial

There are a number of serial interfaces available. They are active in parallel. The commands are described in the separate communication protocol.

- RS232
- RS485
- Ethernet TCP/IP
- Ethernet UDP
- Vcom (USB based on virtual comport, no DLL)

Discrete IO

discrete IOs Standard

Inupt1	Index Slow
Inupt2	Index Fast
Inupt3	Reset
Inupt4	Prod/Maintenance
Output1	Tray Ready
Output2	Stop
Output3	Error
Output4	Door Open
Output5	Empty
Output6	Full

Host Cable

Every host cable will have at least two wires to power the feeder, 24VDC and GND.

In case dIO interface is wanted, multiple wires are provided in the same cable.

If serial communication is wanted, next to the power cable and a separate serial cable is installed.

The cables usually have open wires.

Connectors can be added upon special request.

Reset Board

Remotely controls STOP and RESET function from the button panel.

Stop and Reset Button are not directly controlled by the feeder controller.

Pushing stop immediately stops the feeder and kills the air. Similar like an emergency off EMO.

Only the Reset Button can resume feeder operation.

To take control over these features, a break out PCB is needed, the RESET BORD. It's installed in the feeder base. 2 more dIO channels are needed to use it.

Other Options

Hi-Torque Elevator

The standard feeder lifts 9kg, a full stack of tray including components should not exceed this weight. The hi-torque elevator is an option and lifts 18 kg.

Variable Tray Height 8-19 mm

The standard JEDEC Trays are thin and thick, 7.62 and 12.19 mm high. A switch determines what tray to look for. This option enables the tray sensor to move up and down, in order to accommodate higher JEDEC Tray up to 19 mm. The Thick Tray Sensor is taken for this. It can be moved manually using an Allan key.

Automatic Tray Thickness Detection

Optionally the feeder can be set up to detect the nose of the JEDEC Tray, rather than the top of the JEDEC Tray. In case this nose is on a fixed position over the bottom, the feeder “automatically” detects the right height of the trays. Quasys needs tray drawings to verify prior to order.

Consumable Kits

A small kit of consumable parts at a cost-effective price.

Spare Part Kit Level 1

Consists of the consumable kit plus some more smaller parts recommended. It's recommended to replace them over time, e.g. every 12 months.

Spare Part Kit Level 2

Consists of motors, controller, solenoids, sensors, etc. this is recommended when end user cannot accept lead times for spare parts.

Maintenance Tool Kit

A box with dedicated tools for servicing the feeders.

Mounting Plates

A standard mount plate to install the feeder on a platform.

Shipping Crate

- Carton on palette
- Wooden crate

Usually sturdy wooden shipping crate for international shipments is used. For local shipments or for cost-effective transportation a carton can be taken instead.

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