**ABB Robotics, April 2015**

# FlexFeeder™
# Overview

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# FlexFeeder
## Agenda

- DVP
- Overview
- Key Features
- Key Data
- Communication
- Scope of Supply
- Graphical User Interface (GUI)
- Operation Panel
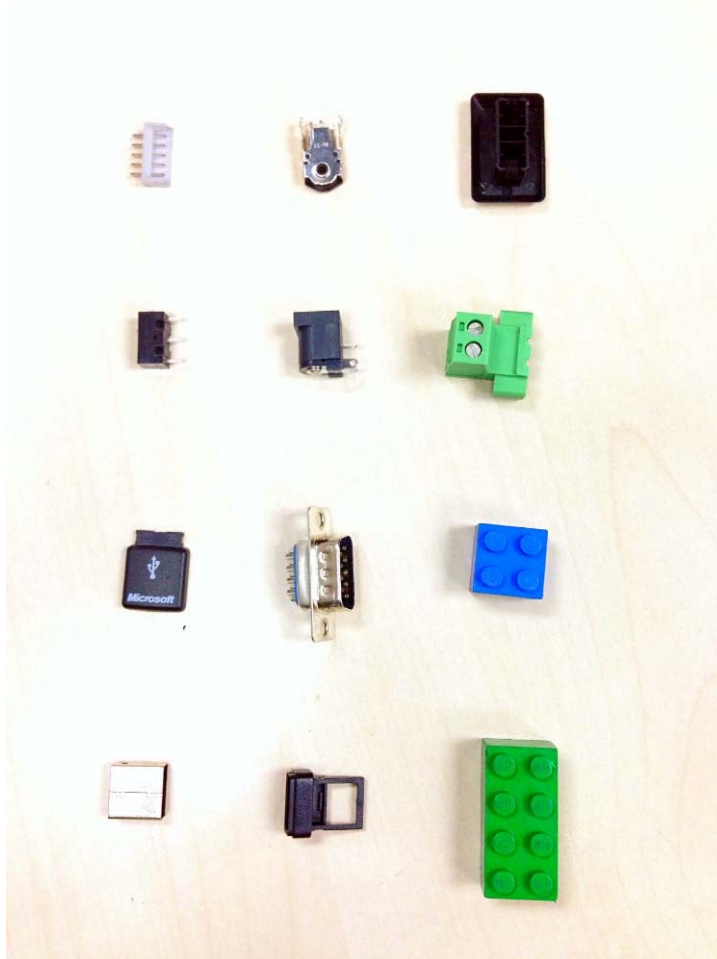- Customer Value

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# Overview
## Differentiated value proposition



- ABB's FlexFeeder – the ultimate in versatility for automated production environments. The FlexFeeder module, in combination with ABB's Integrated Vision, allows you to sort an array of components, ranging from 3 – 30 mm, without having to change the feeder each time a different component is fed into automation system.
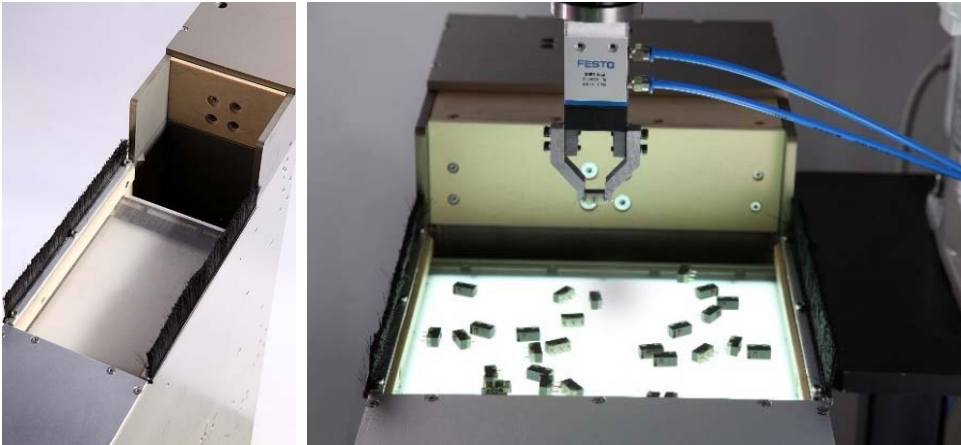
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# Target growth market
## Small parts assembly



- Market demand for sorting a wide variety of small parts, especially in 3C industry

- Aim to provide a method for generic parts feeding with compactness at a competitive price
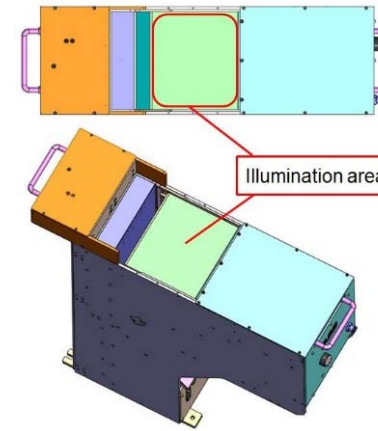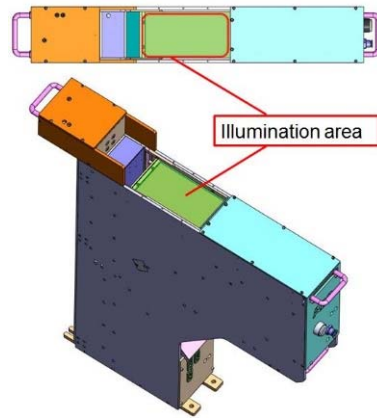
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# FlexFeeder
# Key features



- Flexibility in feeding small parts of various size, shape and material

- Small internal gap design to ensure reliable running

- Adjustable feeding amount

- Quick parts unload and changeover

- Easy to lift with handles

- Parts emptiness detection

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# Available in two versions
## Key data



Illumination area



Illumination area

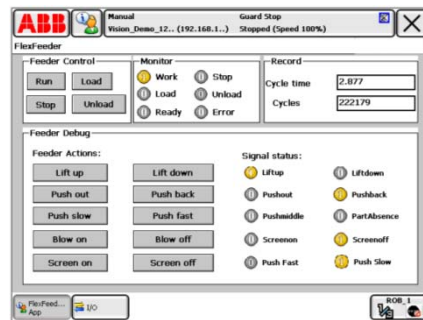| Specification | Single | Double |
|---|---|---|
| Weight | 27 kg | 40 kg |
| Dimension | 754x737x125 mm | 754x737x230 mm |
| Illumination area dimension | 90x160 mm | 200x160 mm |
| Air pressure (bar) | 4-6 bar | 4-6 bar |

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# FlexFeeder
# Communication



Robotware options
617-1 FlexPendant
Interface
623-1 Multitasking
616-1 PC Interface

- Work seamlessly with ABB integrated vision

- Support three communication protocols

  - EtherNet/IP

  - DeviceNet

  - Discrete I/O

- Plug & play while IRC5 compact controller configuring with required software option
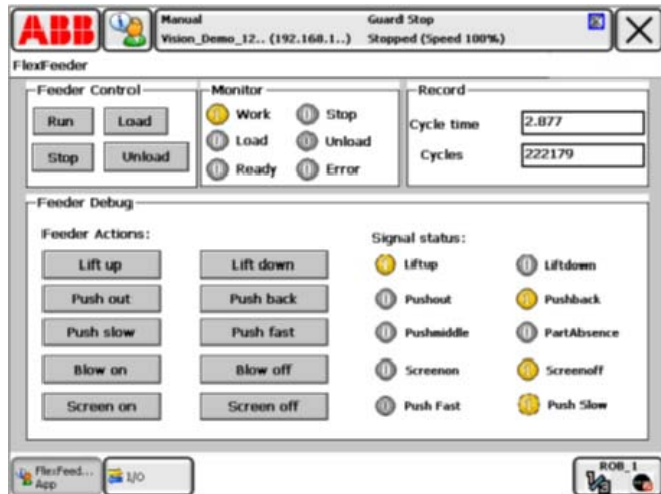
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# FlexFeeder
## Scope of supply





- FlexFeeder-Single

- FlexFeeder-Double

- Backlight (option)

- DeviceNet
  EtherNet/IP
  Discrete I/O

- Graphical User Interface

- Product and User manual

# FlexFeeder
# GUI



## Easy operation

- Run, Stop

- Load, Unload

- One click for cylinder action test

## Programming

- EIO automatically configure
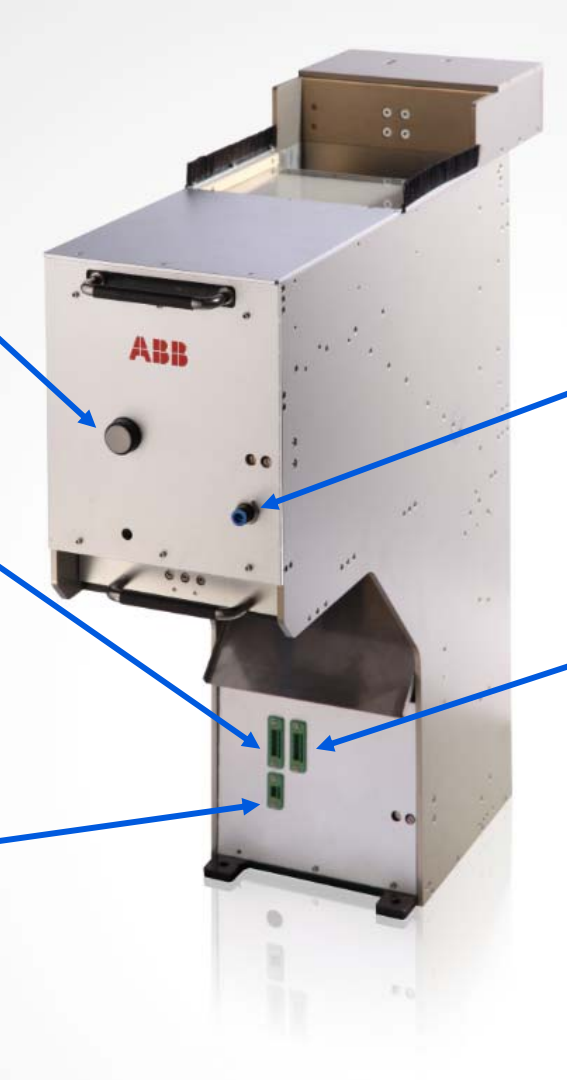
- RAPID module pre-setting

## Production

- Monitor of signals and production status

- Cycle and cycle time record

# FlexFeeder
## Operation panel



Power Switch

DeviceNet
Connector

24V Power
Supply

Air Supply Inlet

EtherNet I/P
Connector

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# FlexFeeder
## Key customer values



- Flexibility in feeding small parts of various size, shape and material

- Easy to integrate, easy to use

- Compact footprint

- Quick parts changeover

- Short cycle time

- Improve productivity and cost saving

- Two versions to be chosen

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