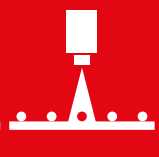




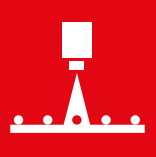
INTELLIGENT
FEEDING COMPONENTS



The system
with transparency

IFC Camera- Conveyor-Belt-Unit





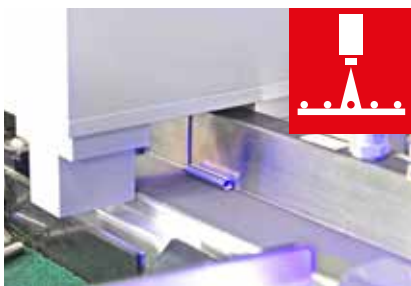
Camera-Conveyor-Belt-Unit

The opto-electronic feed unit for flexible feeding, inspection and sorting of small parts.

This IFC system, consisting of camera system(s) and individual module conveyor belt line can be integrated as a partial solution into existing or new production lines.

Properties

- Contour comparison and inspecting of several types part on only one device
- Orientation detection of rotation symmetrical components or individual goods, with at least one stable part position, including quality inspection
- Feeding parts up to a width of 80 mm with a production rate of up to 50 parts/sec
- With direct integration of a checkbox in a centrifugal feeder, up to 120 m/min can be achieved
- Control of bowl feeder head and following storage line done by checkbox
- Teach-in process for new part types



Camera

- Teachable at the touch of a button
- Number of type memories: 256
- Count function
- Inputs and outputs for external control system
- Software configurable
- Fast Ethernet connection
- Second camera for additional inspection possible → ejection of not OK parts
- Including encoder evaluation



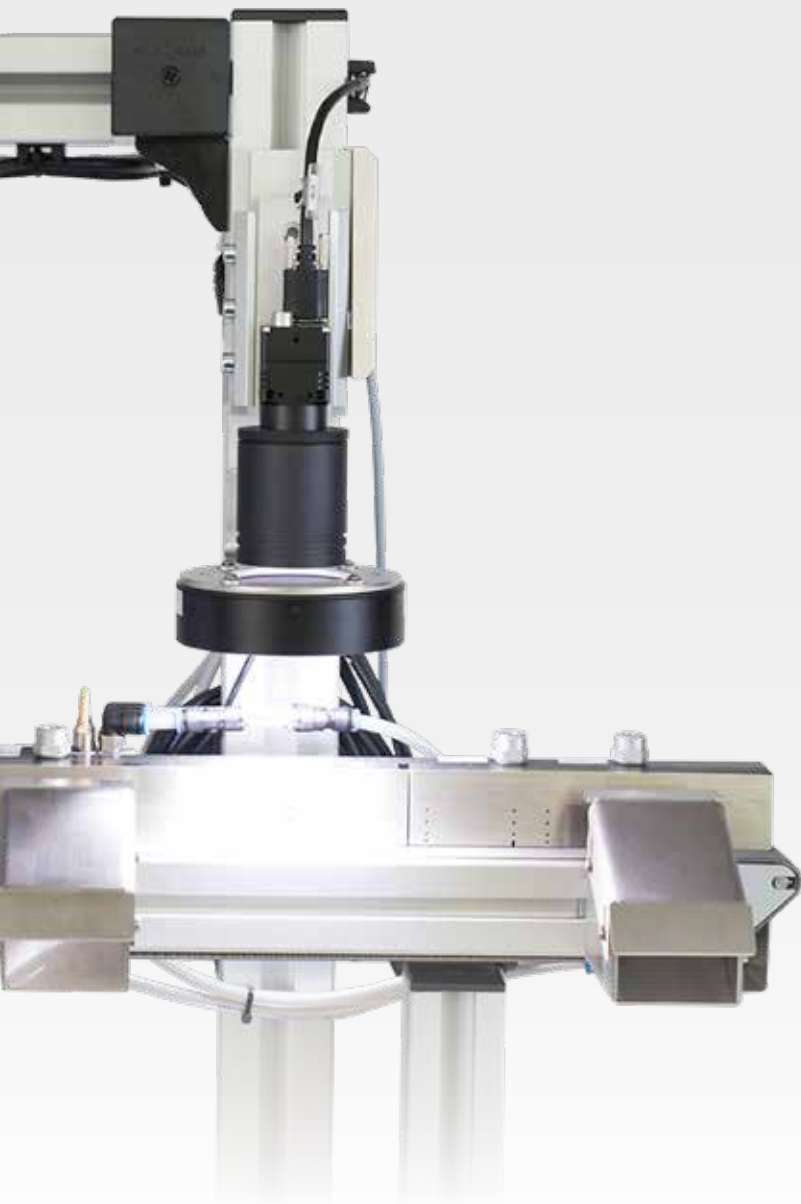
Modular belt conveyor

- Belt width 40 or 80 mm
- Length can be defined in 100 mm steps
- Various IFC function modules
- Speed up to 72 m/min, steplessly adjustable via internal potentiometer
- 3-phase electronically-commutated external rotor DC motor with integrated electronics



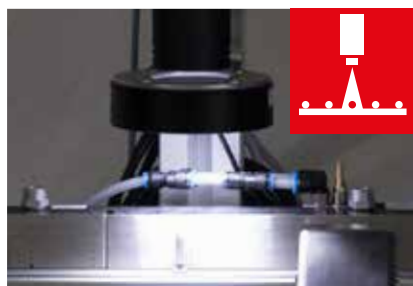
Nozzle

- For removal of badly-oriented or not OK parts



User benefits

- Detect and inspect the most complicated part geometries and feed-positions with the system
- Contour comparison of difficult inspection parts and inspecting several part types with only one conveying device
- Patented IFC modular design for customer-specific flexibility, excellent price-performance ratio and short delivery time
- Simple to integrate into existing or new production lines
- Contactless, extremely fast position detection and quality control at production rate
- Zero defect philosophy and reduction of downtimes and costs
- Type change at the touch of a button
- Fully-automated machine monitoring and control of the entire feeding system



Second Camera

- For additional quality inspection
- Surface and/or detailed inspection



Slides

- Targeted ejection of parts



Other possible equipment options of the IFC camera belt unit are, for example:



Completely wired switching cabinet

In various designs:

- 24V
- Ready to connect with 230V Schuko plug
- Main switch and fuses
- 24V power supply
- Terminal clamps for external control and peripherals
- With integrated compressed air monitoring
- Controller and socket for bowl feeder drive



Recipe Administration

- Modern touch display
- Model-specific configuration
- Up to 256 models can be selected
- Part-specific speed for pan and belt
- Diagnosis / functional analysis



Turning station

- Drive: Pneumatic
- Drive: Servo motor
- For part sizes Ø 5-30 mm
- For part length Ø 40-180 mm
- Exchange part kits for retooling