

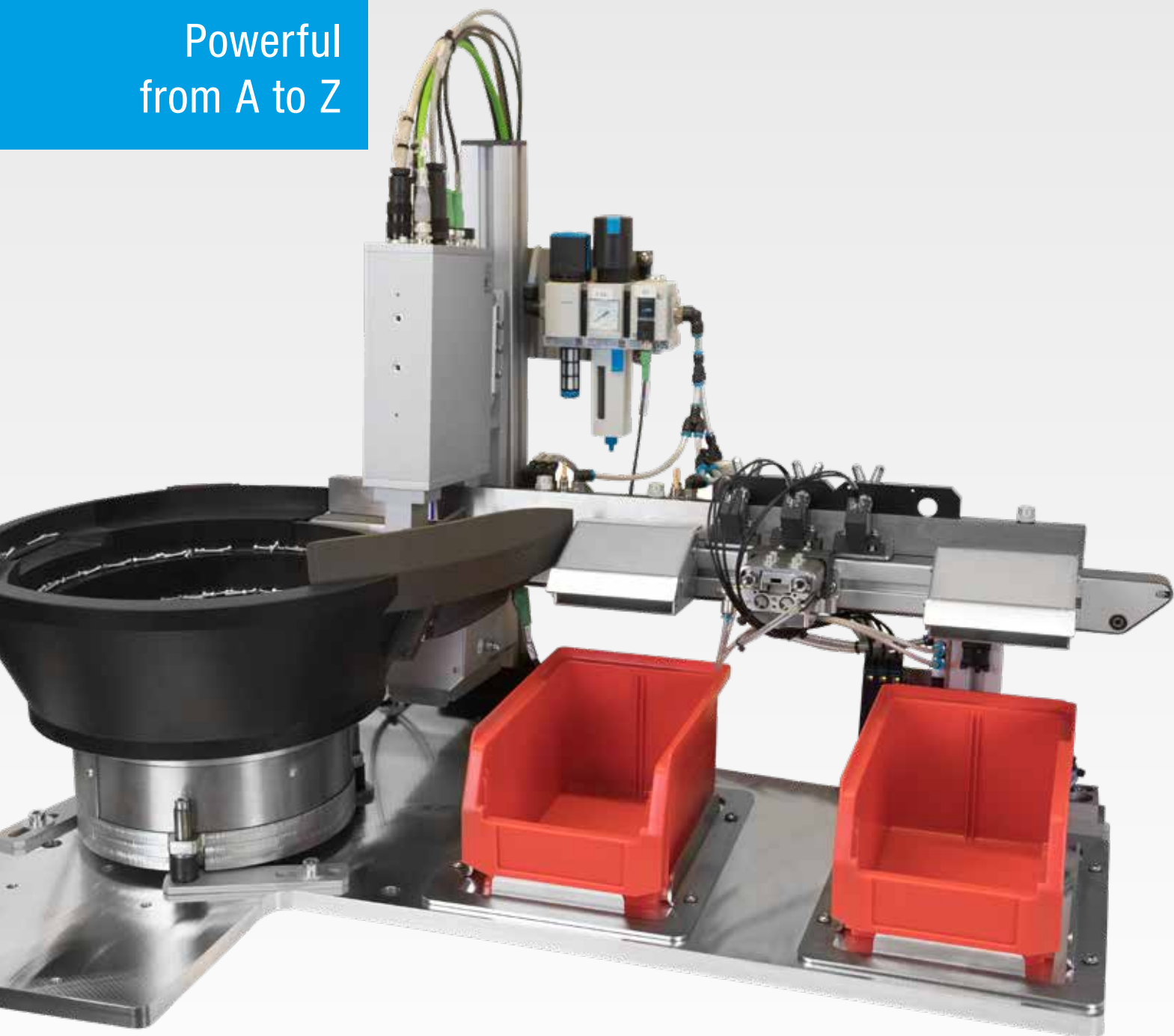


INTELLIGENT
FEEDING COMPONENTS



Powerful
from A to Z

IFC Complete-System



Opto-electronic complete system

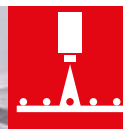
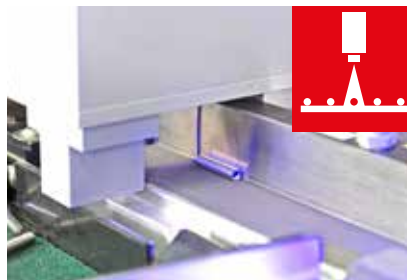
The opto-electronic IFC complete system is designed as a turnkey plug & play unit according to customer-specific terms of reference.

The system can be easily, quickly and safely integrated into the production process. It consists of the following, individual components precisely attuned to each other.



Standardised bowl feeder

- With adjustable height and width slider
- Outer diameter 300 mm
- PA design
- With rapid emptying
- With vibration sensor



Camera

- Teachable at the touch of a button
- Number of type memorie: 256
- Count function
- Inputs and outputs for external control system
- Software configurable
- Fast Ethernet connection
- Second camera for additional inspection possible → ejecting 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



User benefits

- Detect and inspect the most complicated part geometries and feed-positions with the system
- Contour comparison of difficult inspection parts and inspecting multiple part types with only one conveying device
- 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 system of the entire feeding system
- Standardised IFC modular design for customer-specific flexibility, excellent price-performance ratio and short delivery times



Storage chamber

- Provides parts individually
- Parts requested on demand
- Production rate up to 80 parts/min
- Integrated storage line control



Accessories

- Outfeed chutes
- Not OK parts container with bracket
- Maintenance unit with pressure monitor
- Various brackets
- Customer-specific adaptations

Only one of many customised systems, that can be achieved with the IFC modular system...



Other possible equipment options of the IFC complete system 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