AUTOMATION
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feed|box

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THE ULTIMATE LOADING AND UNLOADING SOLUTION

From simple component loading to quality assurance

Robust, rapid, flexible and accurate – characteristics that make the Baumann feed|box a compact, high-performance system for the automation of manufacturing processes. The feed|box is available in various sizes. Additionally, tried-and-tested modular components enable it to be adapted to specific requirements. It is suitable for simple component handling for various loading and unloading processes and comes as a stand-alone solution or can be connected to other machines. Its wide range of applications enables the integration of complex technical machining processes or the testing of components as part of quality control. The feed|box is equipped for the requirements of Industry 4.0 and basically represents a valuable addition to the customer's production plant in terms of high productivity and cost optimisation.

High performance at the highest intensity

Designed for demanding everyday manufacturing needs, each feed|box is suitable for intensive use. In this regard, the overall performance of the cell and its high level of performance capabilities in terms of speed, safe component transport and accuracy come to the fore. Ergonomic solutions ensure easy operation and provide optimum access, including for maintenance purposes. The guarantee of absolutely clean components, especially when handling partially aggressive media, such as acids and oils, is another important aspect. In addition, other criteria such as component traceability, safety, sustainability and efficiency, for instance through short cycle times, play a significant role.

PRODUCT CHARACTERISTICS

Configuration basic cell

- H andling system: 6-axis robot
- L oad capacity: ≤ 5 kg
- Sizes: 1600x1100
         2000X1100
         1600x1600
         1600x2000
- Pallet weight: ≤ 60 kg
- Pallet size: ≤ 400x600 mm
- CodeSys-Control
- MMI with 10.4" touch panel, multi-lingual
- SPC, good/fail part sorting
- Profi bus interface, TCP/IP etc.
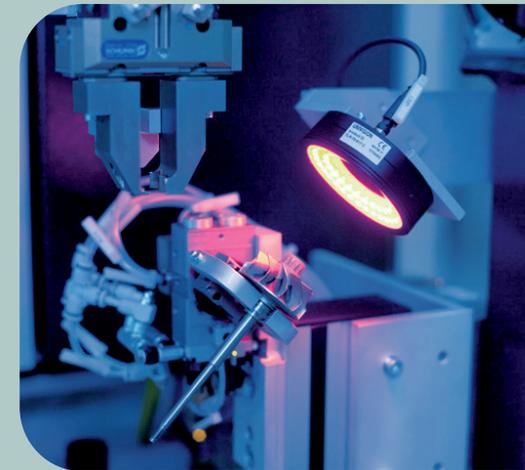
Options handling systems

- Scara robot
- L inear axes or gantry systems
- Options possible, e.g. load capacity : ≤ 20 kg

Options feeding modules

- Stacking module
- Conveyor system
- Drawer
- Lean-system

Options processing modules

- Vacuum, cleaning
- Aligning, flipping
- Assembling, mounting
- Measuring (pre-, post-process)
- Classifying, labeling
- Testing (mechanical, vision)
- Deburring, brushing
- Interconnecting cells
- Networking (host)
- PDA

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