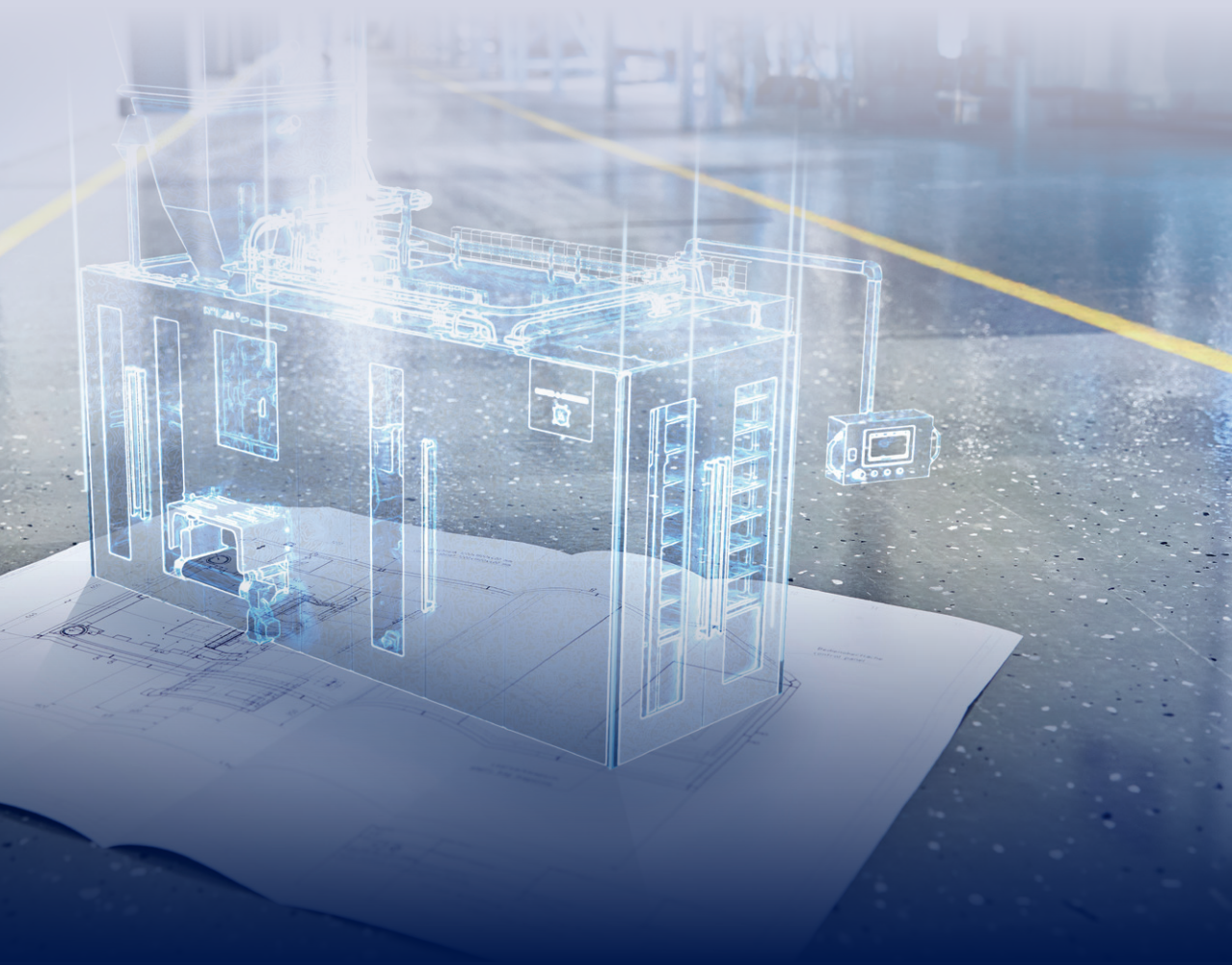




**HAVER & BOECKER**



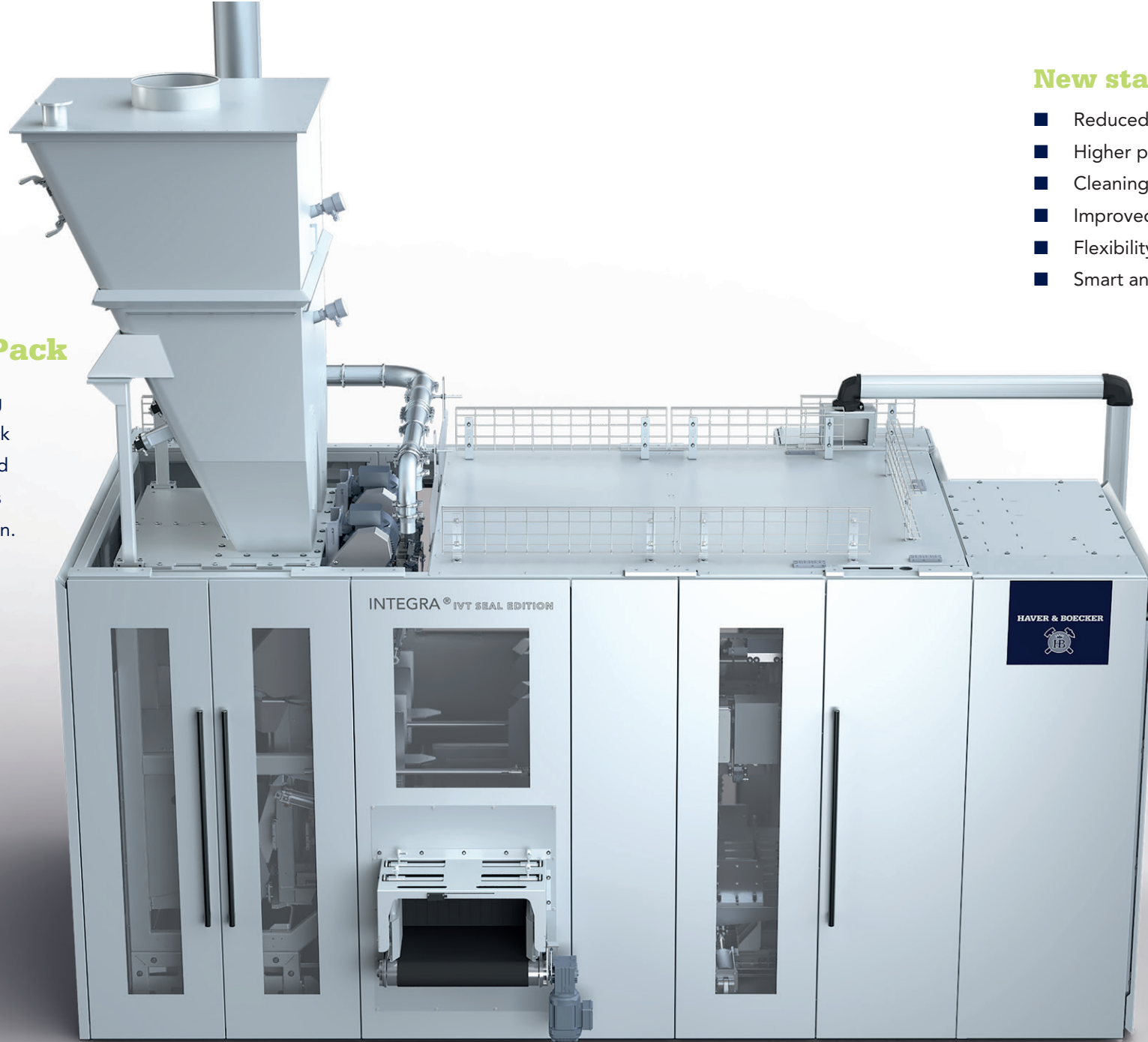
## **THE 2<sup>ND</sup> INTEGRA<sup>®</sup> GENERATION**

**COMPLETELY NEW PLUG'N PACK STANDARDS**

FASCINATING ENGINEERING. **AS ONE.**

## HAVER & BOECKER INTEGRA® – Plug'n Pack

Steamed machine noise, clean working environment: thanks to our Plug 'n Pack concept, the entire plugging, filling and closing process of the valve bags takes place in a dustproof encapsulated cabin.



### New standards

- Reduced overall energy consumption
- Higher performance
- Cleaning-optimized design
- Improved accessibility
- Flexibility in use
- Smart and digital solutions

## 1 Filling technology

- Air
- Turbine
- Pump

## 2 Capacity

- 1-2 spouts up to 600 bags/h
- 3 spouts up to 900 bags/h
- 4 spouts up to 850 bags/h

## 3 Products

- Food
- Chemical products
- Building materials and minerals
- Cement

## 4 Bag materials

- Paper
- PE
- PP

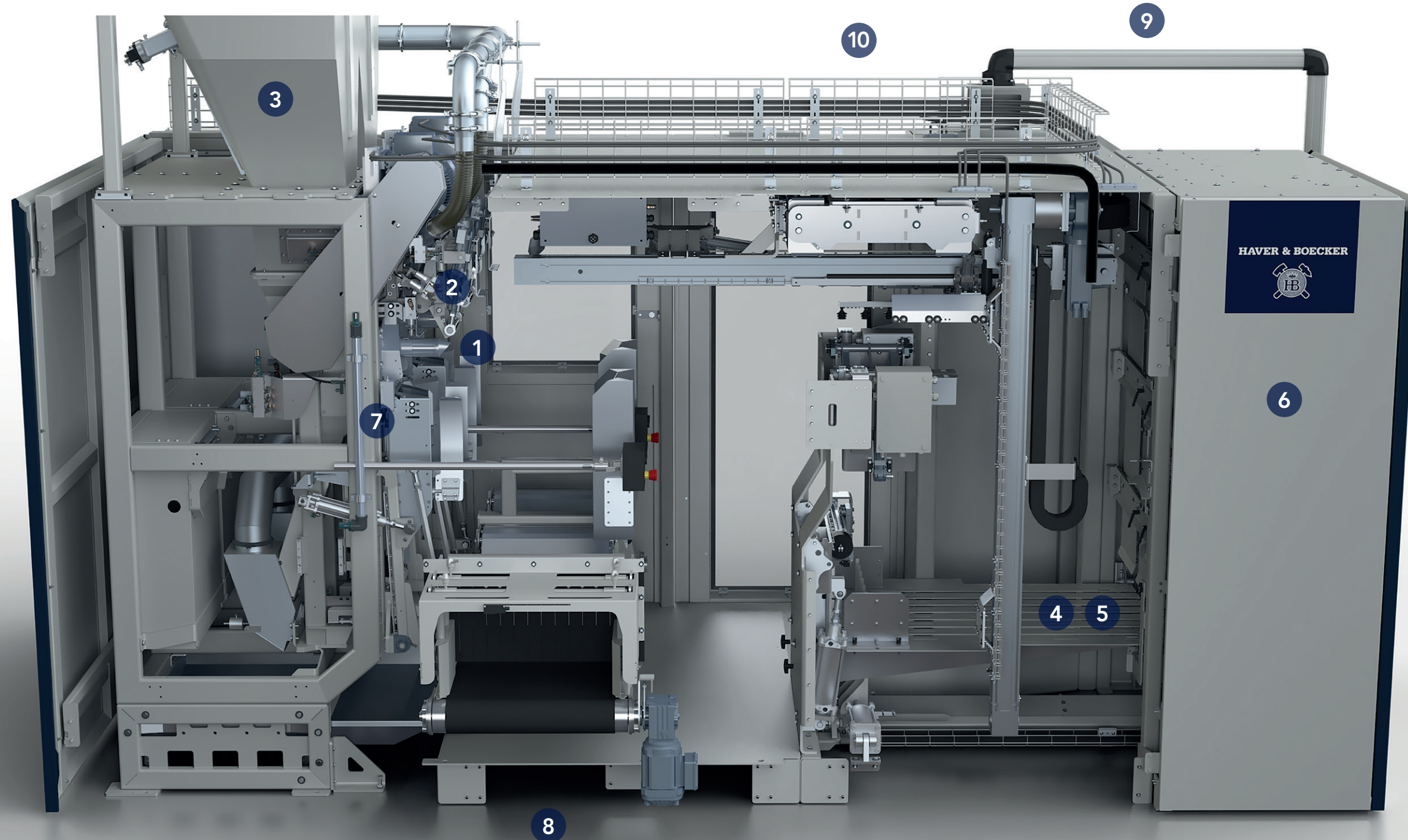
## 5 Bag sizes

- Bag width 180 mm - 600 mm  
Pump packer up to 700 mm
- Bag length 240 mm - 850 mm  
Pump packer up to 1100 mm
- Valve width 90 mm - 160 mm

## 6 Empty bag magazines

- Bundle trolley
- Empty bag cell belt
- Vertical magazine

## FULL RANGE OF INTEGRA® SYSTEM FOR VALVE BAGS



## 7 Optional accessories

- Seal Technology
- Metal detectors
- miniseal®
- Subsequent extension to up to 4 filling spouts
- Integrated labeler

## 8 Full-line automation

- Checkweigher
- Metal detectors
- Bag discharge
- Palletizer
- Stretch hood
- Labeler

## 9 Special equipment (optional)

- ATEX execution
- Hygiene
- FOOD DESIGN
- Pressurization in the cabin (ISO 8 possible)

## 10 Digital solutions

- Process automation, visualization and control systems
- Production management systems
- Mixed process management
- Valve bag attachment monitoring
- Material leakage and bag location detection
- Material and bag type detection
- Data analysis
- Real-time and weighing data generation
- Parameter editing on the PC

# THE 2<sup>ND</sup> INTEGRA<sup>®</sup> GENERATION SETS COMPLETELY NEW STANDARDS

## New modern HMI

- 15,6" Full HD
- Remote access via PC, smartphone, tablet and browser
- ATEX certificated (optional)
- PDF and website display possible
- Customizable login
- System messages with comment function
- New recipe management
- Logbook function
- Switch of HMIs within a line
- Multi-touch - swipe and zoom function

## Energy efficiency

- Reduced total energy consumption by up to 2.5%
- Energy-saving and switch-off mode for process units
- Utilization of braking energy
- Optimized dust extraction volume

## User-friendliness

- 15.6-inch touch control panel
- Modern, web-based HMI
- Standardized operating concept
- Tidy interior design and large window
- Diagnostic lights (optional)
- RFID sticks
- MEC<sup>®</sup> IV weighing control device

## Improved accessibility

- Swivel-mounted control cabinets (optional)
- Protected cable routes on the roof
- Simple settings thanks to pneumatic shaft
- Transformer function (optional)
- Large openings and doors

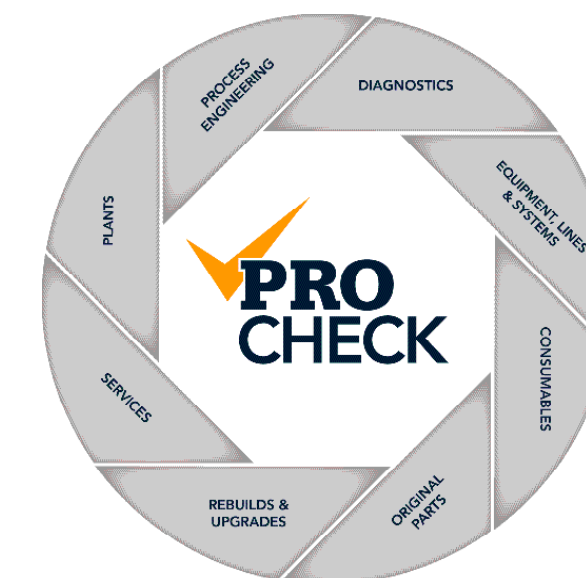
## Increased performance

- Up to 10% higher performance
- Faster cycle due to diagonal movement of the attachment arm
- AI-supported camera technology for optimized attachment rate (optional)



## PROcheck – hand in hand

We are at your side throughout the entire life cycle.



## Easy maintenance

- Centrally arranged pneumatics, also accessible during operation
- Easy-to-open, accessible housing elements
- Cleaning-optimized positions in maintenance mode

## Flexibility in use

- For every HAVER & BOECKER filling system with 1-4 filling spouts
- Larger range of bag lengths and widths
- New clip-on claw for different valve sizes
- Three magazine variants for empty bags
- Standardized motor system
- Suitable for hygiene and pharmaceutical applications
- Variable arrangement of the spouts
- Separate installation of control panel (optional)

## Hygiene and cleaning

- Up to 50% time saving during cleaning
- Cleaning-optimized design of the bundle magazine (optional)
- AI-supported camera technology recognize unusual dust emission (optional)
- Systems for various hygiene applications
- Hygienic design and installation

## Smart and digital solutions

- Digital QUAT<sup>2</sup>RO<sup>®</sup> solutions (optional)
- AI-supported process performance
- Modern, web-based HMI

## Maximum availability

- Wear-free servo drives
- Use of OEM identical parts and systems
- Assured spare parts supply

The 2nd INTEGRA<sup>®</sup> Generation introducing QUAT2RO<sup>®</sup> AI



# FASCINATING ENGINEERING. AS ONE.

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