

# BHS Cube

**THEEGARTEN** PAC  
TEC  
smarter packaging



## Key Facts

### Performance

- 3,000 packaged cubes per minute

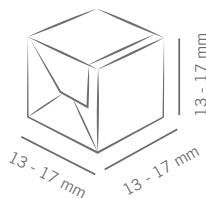
### Integration

- Existing integration to Bonals or Kilian Press

### Wrapping Style

- Side Fold

### Format Range

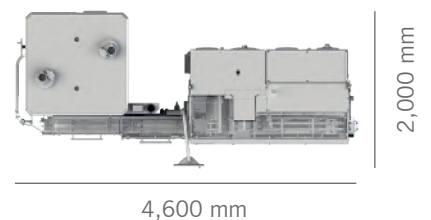


### Machine Efficiency

- 97.5% OEE
- Real-time tracking of machine parameters facilitates predictive maintenance
- efficient troubleshooting through remote assistance

### Compact Footprint

- Complete system of press and packaging machine



# Highlights

## Improved Output Quality

- Product specific tolerance compensation by improved sealing process (inductive heating of sealing jaws)
- Single product-specific quality control using high-performance camera systems

## Lower Initial Investment:

- 25% reduced investment per wrapped cube

## Hygienic Machine Design

- Components designed for easy accessibility and cleaning (according to standards like HACCP, IFS, FDA)
- Balcony design for separation between food-processing and mechanical drive
- physical separation product area and packaging material
- no painted parts in product area

## Continuous Motion Technology

- Significant reduction of wear due to low mechanical stress level
- Reduced noise level (80dB)
- Low cube hardness required (above 40N in all dimensions)

## Lower operational costs

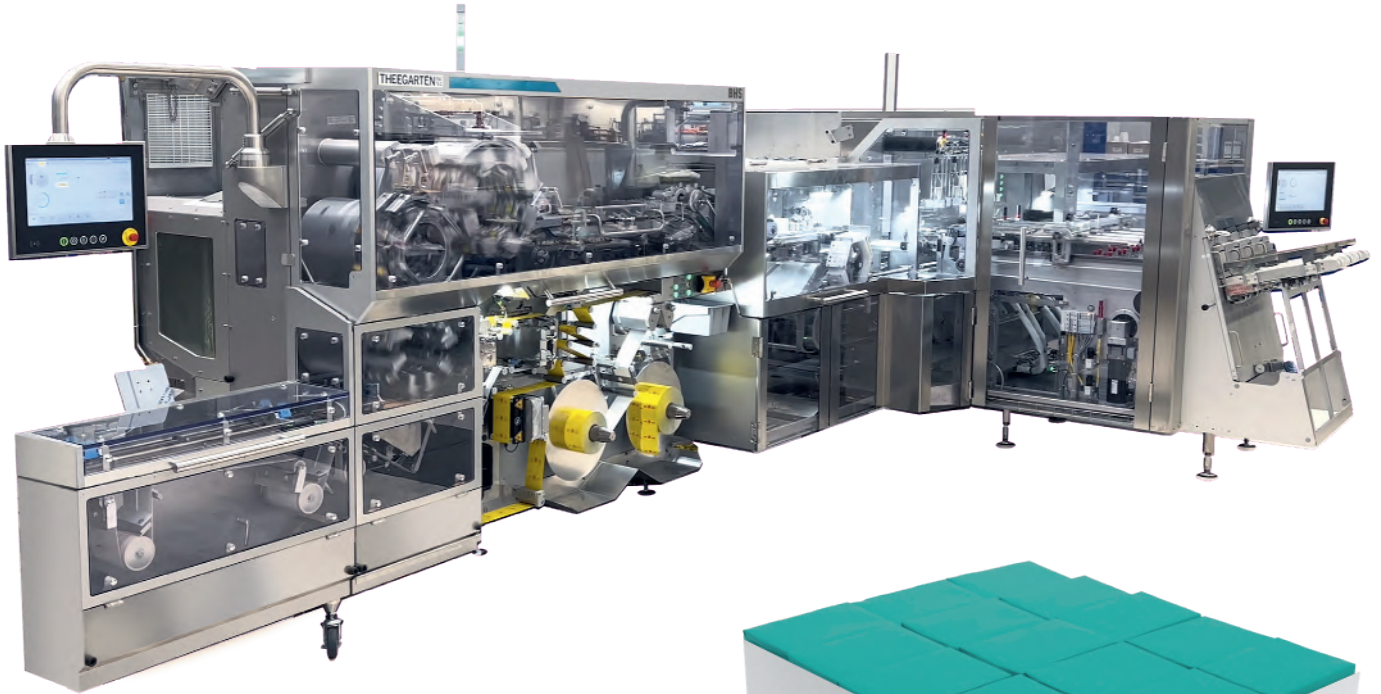
	2 x common discontinuous motion bouillon wrapper	1 x Theegarten BHS
<b>Operator</b>	2	1 (Only one operator is required to manage the press and the packaging machine)
<b>Cleaning per week</b>	15 h	5 h
<b>Electrical energy consumption</b>	24 kW/h	7 kW/h
<b>Compressed air consumption</b>	10 m <sup>3</sup> /h	5 m <sup>3</sup> /h
<b>Coolant</b>	0.3 m <sup>3</sup> /h	0.15 m <sup>3</sup> /h

## Lower maintenance costs per year

	2 x common discontinuous motion bouillon wrapper	1 x Theegarten BHS
<b>oil</b>	120 l	<10 l
<b>Time required to oil machine</b>	16 h	2 h
<b>grease</b>	2 kg	-
<b>Time required to grease machine</b>	52 h	-
<b>cabinet filters</b>	2 - 4	1 - 2

# BHS Tablet

**THEEGARTEN** PAC  
TEC  
smarter packaging



Turnkey system for high-speed primary packaging and cartoning of bouillon tablets

## Key Facts

### Performance

- 2,500 packaged tablets per minute

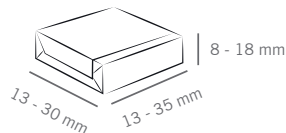
### Integration

- Existing integration to Bonals or Kilian Press and Theegarten cartoning system

### Wrapping Style

- Side Fold

### Format Range

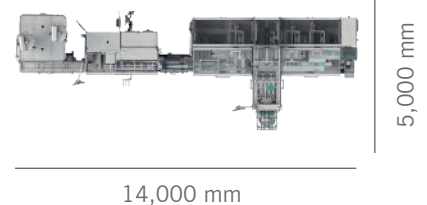


### Machine Efficiency

- 97.5% OEE
- Real-time tracking of machine parameters facilitates predictive maintenance
- efficient troubleshooting through remote assistance

### Compact Footprint

- Complete system of press, packaging machine and cartoner



# Highlights

## Improved Output Quality

- Product specific tolerance compensation by improved sealing process (inductive heating of sealing jaws)
- Single product-specific quality control using high-performance camera systems

## Lower Initial Investment:

- 25% reduced investment per wrapped tablet

## Hygienic Machine Design

- Components designed for easy accessibility and cleaning (according to standards like HACCP, IFS, FDA)
- Balcony design for separation between food-processing and mechanical drive
- physical separation product area and packaging material
- no painted parts in product area

## Continuous Motion Technology

- Significant reduction of wear due to low mechanical stress level
- Reduced noise level (80dB)
- Low tablet hardness required (above 40N in all dimensions)

## Lower operational costs

	2 x common discontinuous motion bouillon wrapper	1 x Theegarten BHS
<b>Operator</b>	2	1 (Only one operator is required to manage the press and the packaging machine)
<b>Cleaning per week</b>	15 h	5 h
<b>Electrical energy consumption</b>	24 kW/h	7 kW/h
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