

High performance packaging system for chocolate products. The modular design allows quick changes of wrapping styles and product sizes. And the continuous motion principle ensures gentle product handling at high speed operation.

# CHS



Double Twist  
Protected Twist



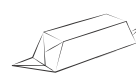
Top Twist



Side Twist



Foil Wrap



Vienna-Fruit-Fold



Smart Bunch



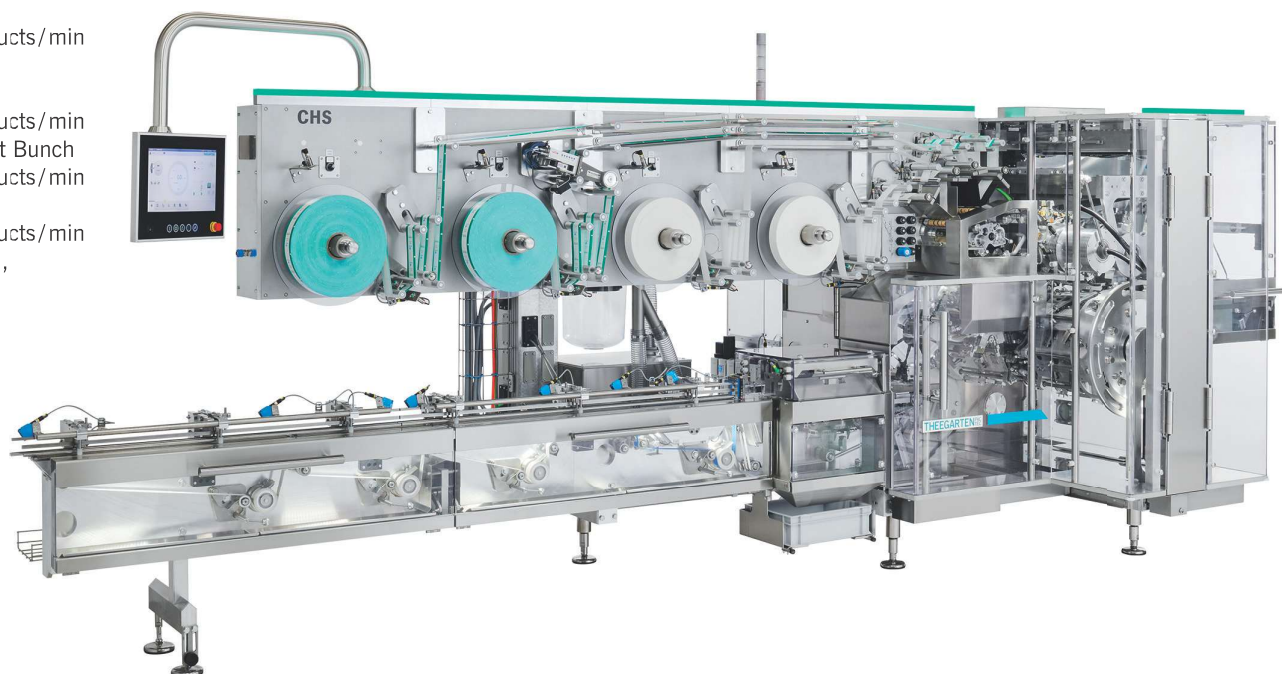
Envelope Fold

## Products

- deposited chocolate products
- enrobed chocolate products (wafers, biscuits, cereals)
- jelly

## Output

- up to 1800 products/min Double Twist
- up to 1600 products/min Protected Twist, Envelope Fold
- up to 1400 products/min Side Twist, Smart Bunch
- up to 1300 products/min Foil Wrap
- up to 1200 products/min Vienna-Fruit-Fold, Top Twist



## Product dimensions

	Length: 16–60 mm Width: 12–35 mm Height: 4–25 mm
	Ø: 16–33 mm Height: 16–28 mm
	Ø: 12–35 mm

# CHS

## Wrapping material

- wax paper
- cellophane
- polypropylene
- polyethylene
- Aluminium foil

## Material dimensions

- Reel diameter: up to 400 mm
- Reel width: up to 140 mm
- Core diameter: 70–76,2 mm

## Utilities

- Connected load: 22 kVA
- Compressed air consumption: 1m<sup>3</sup>/h; 600 kPa

## Measurements

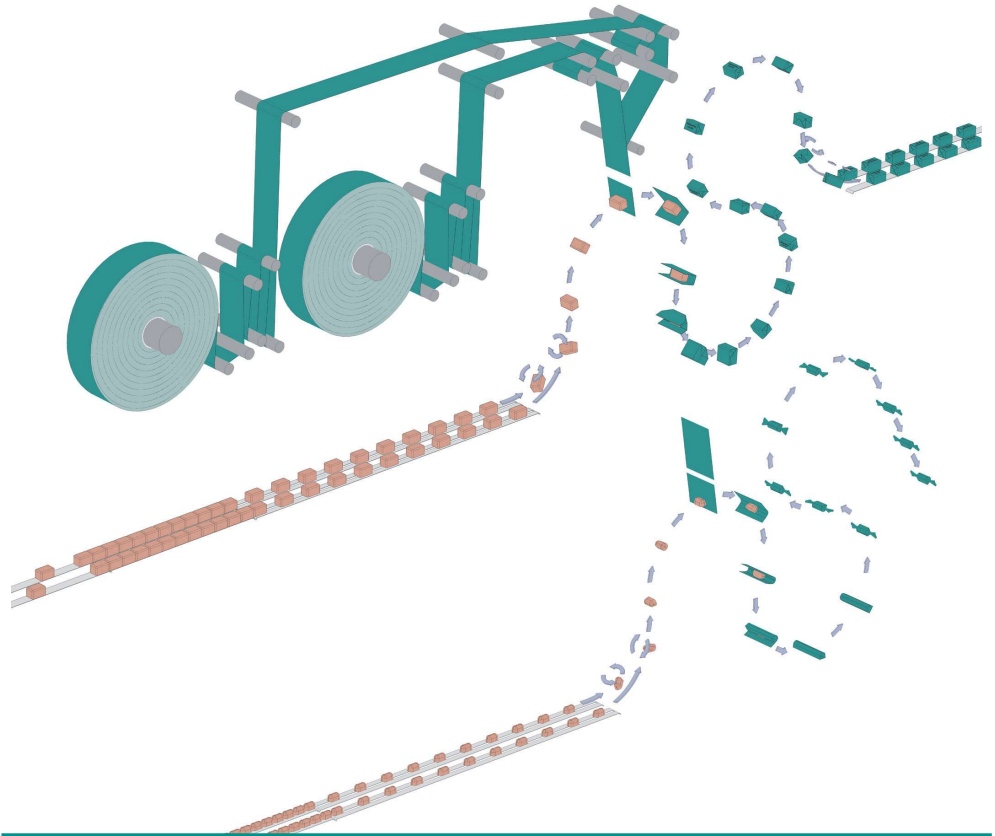
- Machine:
  - Length: 5300 mm
  - Width: 1950 mm
  - Height: 2100 mm
- Switch cabinet:
  - Length: 1900 mm
  - Width: 600 mm
  - Height: 1950 mm

## Weight

- Machine: 4500 kg
- Switch cabinet: 500 kg

## Combination

Beside manual feeding, the machine can be directly synchronized to the production line by means of a Theegarten-Pactec belt feeding or robotic pick and place system.



## Product Feeding

- Single or two-lane belt feeding or chain feeding system (pick & place feeding)
- Two-lane feed enables maximum performance of up to 1,800 products/minute with gentle product handling due to reduced feeding speed and back pressure
- Accumulation length control to adapt the machine speed to the product feed
- A particularly gentle handling of the products is guaranteed by the continuous motion principle

## Wrapping material feeding

- Pneumatic reel centring and core locking devices driven by servomotor
- Automatic splicer to change wrapping materials without stopping the machine
- Air support to allow the use of modern foils
- Servo-driven wrapping material feed rollers and wrapping material knife
- Saving of wrapping material by “no product – no paper” -device
- Infinitely variable adjustment of the twist gripper oscillation depending on the wrapping material quality
- Adjustment of the twisting angle in three steps (1,3; 1,8; 2,3 rotations)

## Wrapped product discharge

- Controlled single or two-lane product discharge via belt
- Random product discharge via chute
- Cycle-precise ejection of unwrapped products
- Ejection of spliced and double wrapped products

## Operation / Maintenance / Cleaning

- Spare parts catalogue and complete operating instructions can be accessed via operating touch screen
- Individually customizable user and recipe management with RFID authentication
- Detailed fault diagnosis, assistance with trouble shooting, statistical review
- Critical parts free of paint to avoid product contamination
- Lighting of the machine interior for optimal working conditions
- Cleaning with dry ice, hot steam and water is possible
- In view of the automatic operation, several machines can be handled by one operator

## Optional extras

- Additional reel holders for a second wrapping material (under strip) with automatic splicer
- Wrapping material feed for inner and outer wrapping material with optional displacement of the inner wrapper to guarantee a high wrapping quality
- Photo-electric print registration
- Intuitive user guidance through coloured signal lighting of the machine sections
- Integration of a coding device for best before date or batch number
- Automatic wrapping material web tracking control to centre the wrapping material feed in direction of travel
- Auxiliary devices for change of wrapping style
- Transport and storage unit for not-used components when changing the wrapping style
- Remote assistance via network connection