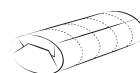


High-speed wrapping machine for pre-formed products in bottom fold. The direct connection of a secondary packaging machine enables the grouping of the individual products and simultaneous overwrapping in stick packs.

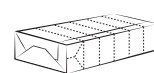
HCW4 + F3/F4



Bottom Fold
Primary packaging



Stick packs on edge (oval)
Secondary packaging



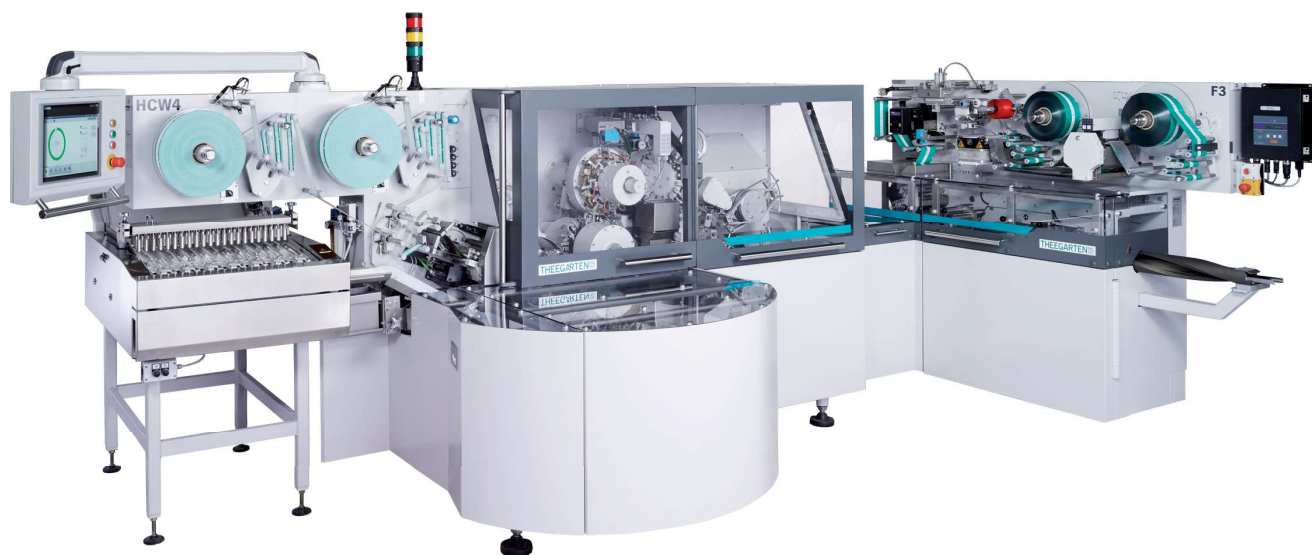
Stick packs on edge
Secondary packaging

Products

- products suitable for plate feeding
- Hard Candy
(with or without center-filling)
- Eclair
- Toffees

Output

- up to 1500 single products/min
- up to 300 stick packs/min (F3)
- up to 130 stick packs/min (F4)



Product dimensions



Single Products

Length: 18– 40 mm

Width: 12– 25 mm

Height: 8– 16 mm



Stick Pack

Length: 44–130 mm

Width: 18– 40 mm

Height: 12– 25 mm



Products per Stick Pack:

5 – 16 pieces

HCW4 + F3/F4

Wrapping material

- HCW4:
 - Wax paper
 - Cellophane
 - Polypropylene
 - Aluminium/paper – coated
- F3:
 - Wax paper
 - Cellophane
 - Polypropylene
 - Aluminium/paper – coated
- F4:
 - Aluminium/paper – coated (sealable)
 - Plastics compound foil – sealable

Material dimensions

- HCW4:
 - Reel diameter: up to 400 mm
 - Reel width: up to 100 mm
 - Core diameter: 70–76,2 mm
- F3:
 - Reel diameter: up to 350 mm
 - Reel width: up to 160 mm
 - Core diameter: 70–76,2 mm
- F4:
 - Reel diameter: up to 380 mm
 - Reel width: up to 180 mm
 - Core diameter: 70–76,2 mm
- Tear tape F3 and F4
 - Reel diameter: up to 120 mm
 - Reel width: up to 100 mm
 - Core diameter: 29 mm

Utilities

- Connected load:
 - HCW4/F3: 16 kVA
 - HCW4/F4: 20 kVA
- Compressed air consumption:
 - 2 m³/h; 600 kPa
- Cooling water consumption:
 - 0,15 m³/h

Measurements

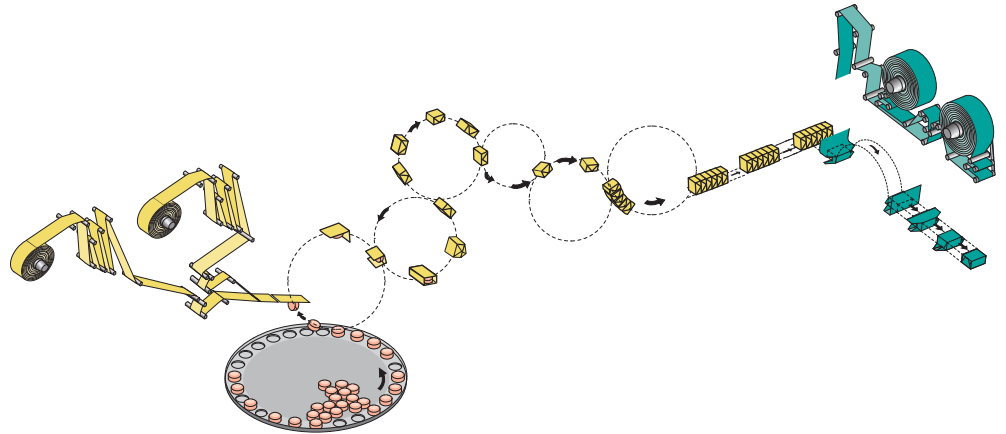
- Machine:
 - Length: 5250 mm
 - Width: 3400 mm
 - Height: 2060 mm

Weight

- Machine: 7000 kg
- Switch cabinet: 660 kg

Combination

Beside manual feeding, the machine can be directly synchronized to the production line by means of a Theegarten-Pactec feeding system.



Special features

HCW4

- A particularly gentle handling of the products is guaranteed by the continuous motion principle
- highly efficient feeding system with integrated sorting station to eliminate sugar dust, chips and broken pieces
- Servo control with PLC functions
- Pickup of the products from the feeding plate and simultaneous wrapping material supply within the removal wheel reduce product transfers
- Air support to allow the use of PP foils
- Saving of wrapping material by “no product – no paper” -device
- Automatic splicer to change wrapping material reels without stopping the machine
- Ejection of spliced, mal-registered and unwrapped products
- Servo-driven wrapping material feed rollers, wrapping material knife and material reels
- Pneumatic core locking and reel tensioning devices
- Heating wheel to seal the wrapping
- Automatic temperature control of the sealing units
- Opening of the heat sealing units at machine stop
- Servo motor driven grouping section to prevent incomplete product groups
- Servo motor driven transfer of product groups to a continuous or discontinuous motion secondary wrapping machine
- Pressureless water treatment

F3 and F4

- Automatic splicer to change wrapping material reels without stopping the machine
- Saving of wrapping material by “no product – no paper” -device
- Servo-driven wrapping material feed rollers, wrapping material knife and material reels
- Pneumatic core locking and reel tensioning devices
- Photo-electric print registration
- Ejection device for incomplete, “spliced” respectively mal-registered stick packs
- Excellent accessibility for operation, maintenance and cleaning purposes
- Easy operation due to the touch screen
- Depending on local conditions, one operator is required
- System of protection: IP 54

Options

- Photo-electric print registration for individual products
- Web tracking control
- Special paper feed unit for HCW4 machine in case two wrapping materials (outer wrapper and under strip) are used – with or without automatic splicer for the outer wrapper
- Code dating device for stick packs
- Tear tape device