

High speed plant to form, cut and wrap products in fold wrap with simultaneous overwrapping in flat stick packs or stick packs "on edge".

U1-D-CW/F3



Products

- Hard and Soft Caramels
- Toffees
- Chewy Sweets
- Chewing Gum

Output

- up to 2000 single products / min
- up to 300 stick packs / min

Product dimensions



U1-D-CW:
envelope fold:
Length: 30–35 mm
side fold, bottom fold:
Length: 18–38 mm



Width: 12–25 mm
Height: 4–15 mm
Special sizes upon request

F3:

Stick Pack flat
Length: 44–140 mm
Width: 18–38 mm
Height: 6–15 mm
Stick Pack on edge
Length: 44–140 mm
Width: 18–30 mm
Height: 12–25 mm

Products per Stick Pack:

Stick Pack flat
3–8 pieces
Stick Pack on edge
3–16 pieces



U1-D-CW/F3

Packmittel

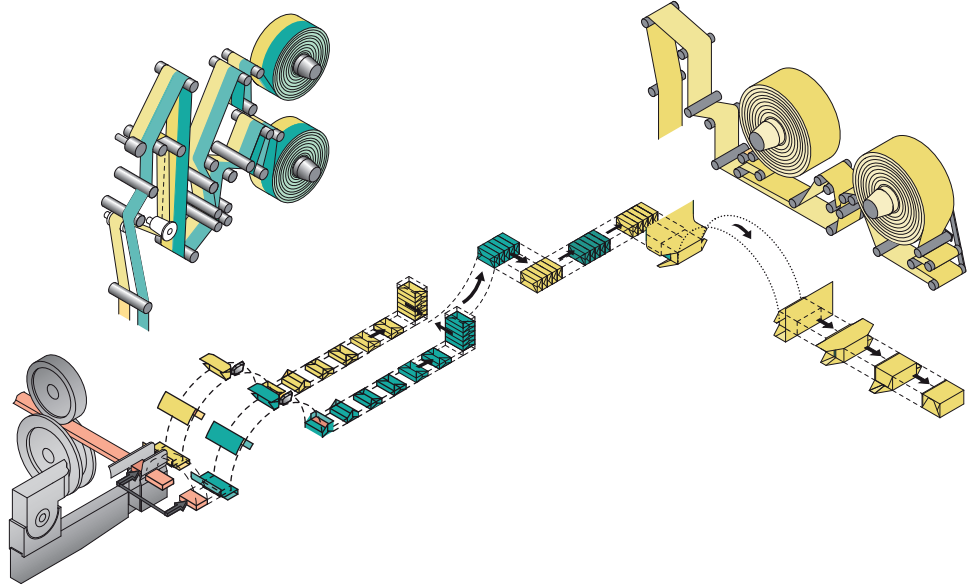
- All common wrapping materials can be used

Material dimensions

- U1-D-CW:
 - Reel diameter: up to 350 mm
 - Core diameter: 70–76,2 mm
- F3:
 - Reel diameter: up to 350 mm
 - Core diameter: 70–76,2 mm
- Tear tape:
 - Reel diameter: up to 120 mm
 - Reel width: up to 100 mm
 - Core diameter: 29 mm

Utilities

- Connected load: 22 kVA
- Compressed air consumption: 1,5 m³/h; 600 kPa
- Cooling water consumption: 0,15 m³/h
- Temperature: 10 ... 15°C
- Pressure: min. 200 kPa



Measurements

- Machine:
 - Length: 3377 mm
 - Width: 3200 mm
 - Height: 2382 mm
- Switch cabinet:
 - Length: 1800 mm
 - Width: 500 mm
 - Height: 2200 mm

Weight

- Machine: 5500 kg
- Switch cabinet: 350 kg

Combination

Depending on the product, the machine can be synchronized either with a batch roller and rope sizing machine (toffees, hard and soft caramels) or an appropriate extruder and cooling tunnel (chewing gum, bubble-gum, chewy candy).

Special features

- cutting and wrapping of products in fold wrap with simultaneous overwrapping in stick packs
- ### U1-D-CW
- two pieces are cut simultaneously by means of a double knife, wrapped in a dual track wrapping head and sealed in twin-lane discharge
 - three stage stainless steel in-feed rope sizing and calibrating unit for precise adjustment of the rope dimension
 - one pair of sizing rollers driven by an independent servo drive for precise adjustment of the rope speed
 - water-cooled guillotine knife with intermittent rope feed for precise cutting
 - longitudinal cutting device for twin lane processing of wrapping material reels of double web width
 - automatic splicer to change wrapping material reels without stopping the machine
 - Pneumatic core locking and reel tensioning devices
 - servo-driven wrapping material feed rollers and wrapping material knife
 - stationary unit for cycle precise sealing / tacking and cooling of the wrapping material fold
 - central lubrication system of all gear parts with oil pressure control
- ### F3
- photo-electric print registration
 - tear tape device
 - ejection of incomplete stick packs before wrapping
 - automatic splicer to change wrapping material reels without stopping the machine

- pneumatic core locking and reel tensioning devices
- servo-driven wrapping material feed rollers and wrapping material knife
- Ejection device for incomplete, "spliced" respectively mal-registered stick packs
- stationary unit for cycle precise sealing / tacking and cooling of the wrapping material fold

Options

- electronic rope speed control to match the machine and rope speed
- photo-electric print registration for single products
- air support to stabilise wrapping material transport and transfer by valve bank with high precision throttle valves for exact and reproducible air support setting
- turning device 90° or 180° for stick packs at the discharge
- automatic wrapping material web tracking control for the secondary packaging to center the wrapping material feed in direction of travel

General

- servo control with PLC functions
- all electrical and electronic components are located in a separate common switch cabinet
- 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