

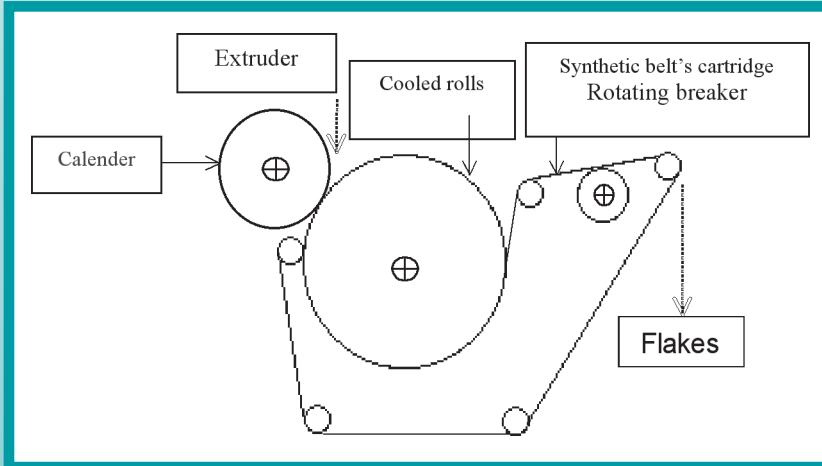


Steel Belt Systems

# Extrusion & Powder Coating Division

## Chill Roll

SBS Chill Roll is composed as per below scheme:



### Main Characteristics:

- > Product feeding temperature: 130÷140°C
- > Product discharging temperature: 32°÷38°C
- > Water consumption: approx. 12,0 m<sup>3</sup>/h (3 bar pressure) water inlet temperature 8°C

Model	Nominal Capacity* (Kg/h)	Calendering roll dia. (mm)	Chiller drum dia. (mm)	Chiller drum width (mm)
CR 300 x 350	50÷60	/	350	300
24/60/65	200÷300	240	600	650
40/80/100	500÷700	400	800	1000

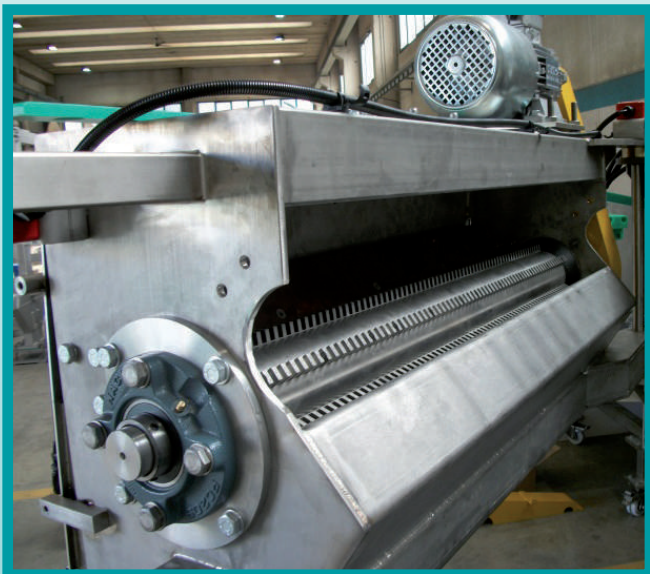
\*referred to white polyester

### Main Equipment:

- > **Calendering roll** in stainless steel AISI 304, with internal peripheral circulation of water, complete of rotating joints for inlet and outlet of cooling water and detachment blade
- > **Cooled drum** executed in stainless steel AISI 304 and with internal peripheral circulation of water, complete of rotating joints for inlet and outlet of cooling water, fit for coupling with synthetic belt
- > **Scraping blade** for the detachment of the product from the chiller drum
- > **Motorization group**, composed by:
  - drive motor with frequency converter
  - toothed gearing group between drum's shaft and calendering roll
- > **Machinery structure** in sturdy galvanized carbon steel, complete of wheels



# Chill Roll



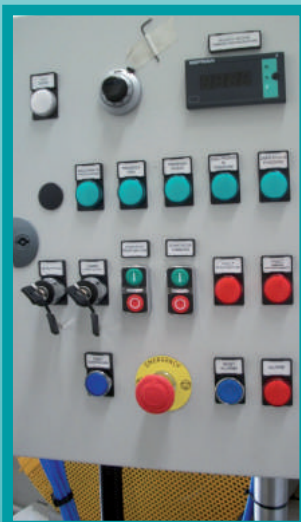
## Main Equipment:

- **n.2 Manifolds** for water distribution, complete of flexible transparent connections and instrumentation for detection of inlet and outlet water pressure and temperature
- **Belt cartridge:** the synthetic belt for the coupling with the drum and for the feeding of the product onto the breaker is assembled with an independent extractable aluminum support frame; it is easily removable and inter-changeable for maintenance and cleaning operations
- **Breaking device** for product flaking, composed by SBS Minibreak\* type with n.1 removable break comb and various accessories, to produce flakes with calibrated dimension

\* the Minibreak has the advantage to produce smaller and more calibrated flakes, with a better consequent performance of the mills and output capacity.

## Electrical Control Panel

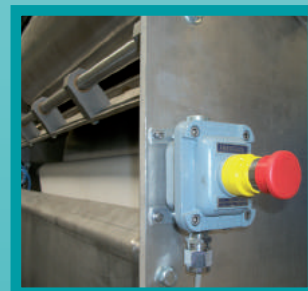
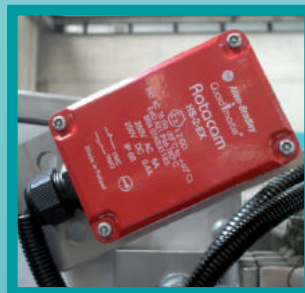
To be connected to the extruder control board;  
400V, 50Hz, IP54



## Protection and Safety

The machine is complete of the necessary:

- Mechanical protections
- Electrical protections



## CONTACTS

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