



FIVE ROLL REFINER HFS 180 S

*SEMI- AND FULLY AUTOMATED FIVE ROLL REFINER
WITH 180 CM WORKING WIDTH AND CAPACITIES
UP TO 1500 KG/H FOR HIGH QUALITY CHOCOLATES*



FIVE ROLL REFINER HFS 180S

Application

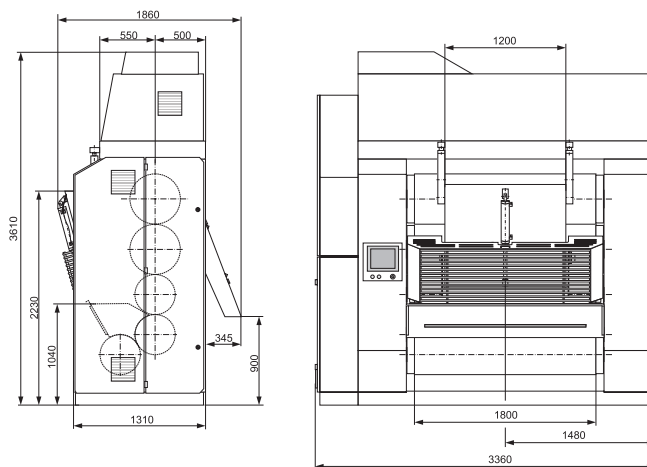
For final refining of very high capacities of chocolate paste and couvertures with a constant, reproducible and accurate fineness.

Construction Features

- Up to 30 % higher throughput compared to HFS 180 five roll refineries by extending the roll diameter of the top rollers
- Space requirements similar to HFS 180 five roll refineries
- 5 special ground rollers made of centrifugal casting provides optimal surface properties and a homogenous heat transmission
- Fixed gap device adjustable during operation for constant and accurate pre-grinding results independent of mass consistence or recipe
- High roller lifetimes up to 12000 h and low maintenance costs
- Several regrinding cycles of the rollers without negative effects on the grinding properties of the rollers
- Integrated automatic roller cooling system to guarantee defined roller temperatures and a constant heat distribution
- Storage tank with automatic dosing flap and level control ensures a constant feeding adapted to the mass consistence and filling level of the feeding gap
- Roller drive with narrow v-belts, helical gears and hydraulic soft starting of the machine
- Safety systems for dry running and overloading protection
- Stable machine frame made of solid cast iron and welded steel
- CE conformance

Optional Equipment

- Frequency-controlled main drive for optimal energy use
- Stainless steel upgrade for inner frame parts
- Water cooled main motor and control cabinet
- Can be equipped with Fineness Measuring Unit HMB 180



External dimensions HFS 180S

Technical Data

Capacity in kg/h	up to 2000
Roller Measurements Working width in mm Diameter in mm	1800 500 / 400
Storage tank capacity in kg	approx. 400
Connected load in kW	112
Cooling water in m ³ /h (at +12 °C, min. 1 bar)	approx. 2.3
Compressed air in m ³ /h (4 to 6 bar)	approx. 0.4
Weight (net) in kg	10400
Roller pressure control	automatic
Fixed gap regulation (with HMB)	automatic
Control Unit Data logging Recipe management	yes yes
Fineness Measuring Unit	optional

Subject to technical alternations!