

# HFI

## Five Rolls Refiners



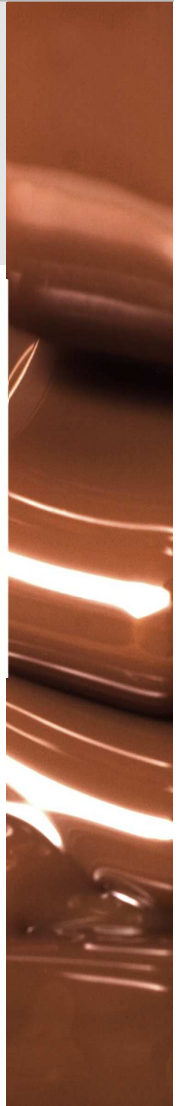
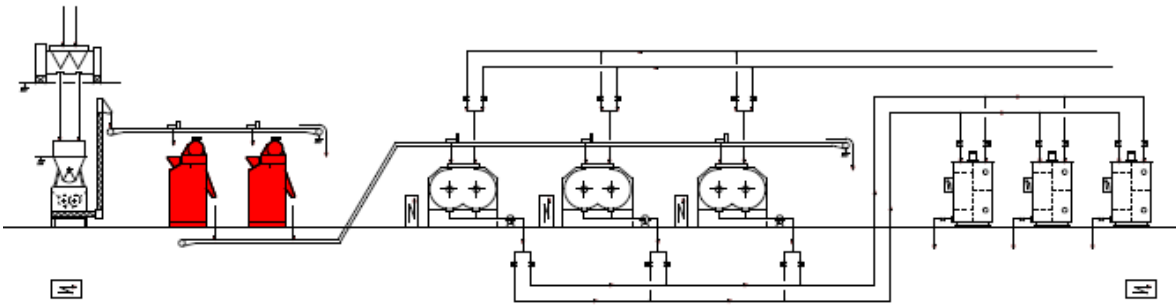
**HFI 525**



**HFI 518**



**HFI 518 stainless steel**



**STANDARD FEATURES**

Automatic five rolls refiners for chocolate, compound and other fatty masses.

The product at the inlet is a pasty fat-based mass with an average particle size measurement of about 120÷220 µm (measured with micrometer).

The product at the outlet is a refined chocolate powder with an average particle size of 20 µm, (measured with micrometer and suitable to be fed to the subsequent conching line)

High efficiency main electric motor controlled by inverter, for increased outputs and processing of a wide range of mass consistencies.

Rolls nominal diameters allowing multiple re-grinding and compatible with HB, HF and HFE refiners.

New kinematic chain for shorter rolls disassembling time and improved accessibility.

Touch-screen control panel for the setting and monitoring of working parameters, recipes and alarms.

New ENERGY SAVING SYSTEM as standard

**OPTIONALS**

New fineness control micronsense available as optional

Stainless steel cover execution available as optional

TECHNICAL DATA		HFI513	HFI518	HFI525
Efficiency	%	95		
Output <sup>(1)</sup>	kg/h	850	1.200	1.600
Incoming product fineness <sup>(2)</sup>	µm	120 - 220		
Output product fineness <sup>(1-2)</sup>	µm	18 - 20		
Dry weight with motor	kg	8.100	8.800	14.000
Weight (with liquid and oil)	kg	8.500	9.300	14.600
Total weight with product	kg	8.800	9.700	15.200
Hopper product loading capacity	kg	300	400	600
Maximum simultaneously absorbed electrical power	kW	82	100	150
Rolls main motor	kW	75	90	132
Oleodinamic unit motor pump	kW	0,75		
Min/Max rolls cooling water pressure	bar	3,0		
Minimum pressure of compressed air	bar	6,0		
Recommended temperature of rolls cooling water	°C	min. 12 / max. 18		
Average temperature of discharge water	°C	- 35		
Average consumption of tower water - (t<18°C)	m³/h	3,0 - 3,5	3,5 - 4,4	4,0 - 5,5

(1) Subject to variations depending on the characteristics of the feeding mass and of the output fineness.  
(2) Measured by micro-meter

## NEW ENERGY SAVING SYSTEM

In the new HFI this electric current is now directly “thrown” in the loop (DC BUS) of the main motor frequency shifter to be regenerated again.

