



FIBER SIFTER

www.instalmec.it

 ENGLISH





The principle of its operation is based on a homogeneous feeding of the fibre thanks to special rolls, sequentially fluidization speeds obtained in a circular separation chamber in which the counter air flow separates foreign bodies. This counter air flow generates a “dry cleaning” and at the same time conveys the clean fibre to an innovative discharging cyclone. Instalmec developed a completely innovative fibre sifter that has the advantage of a much lower energy consumption and higher classification efficiency compared to the traditional systems on the market.

> Material before separation



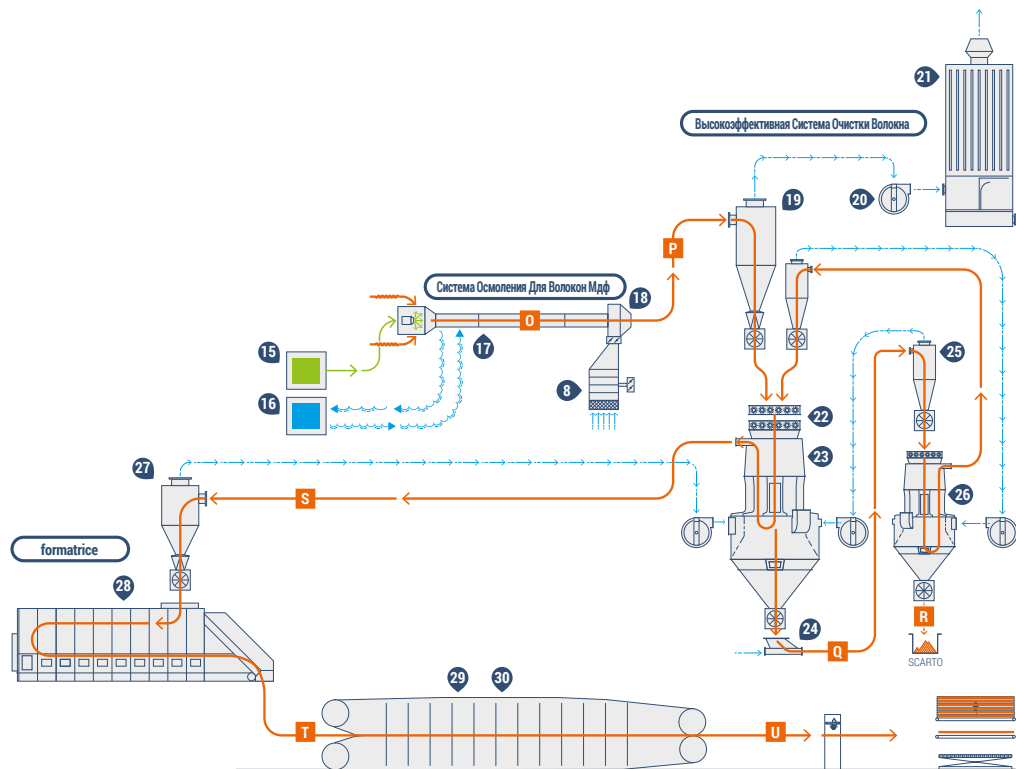
> Material after separation



> Rejected material

Advantages

- **Excellent panel surfaces**
- **Improved panel quality**
- **Excellent removal of glue drops, fibre clumps and foreign bodies**



MDF FIBER GLUING SYSTEM

- 15 - Glue preparation
- 16 - Chiller
- 17 - Dry inline gluing
- 18 - Mixing chamber

CLEANING SYSTEM FOR FIBRE

- 19 - Pre sifter cyclones
- 20 - Filter fan
- 21 - Filter
- 22 - Defibrator
- 23 - Pre sifter
- 24 - Ejector
- 25 - Cyclone Post sifter
- 26 - Post sifter

FORMING LINE

- 27 - Discharging cyclone
- 28 - Forming bunker
- 29 - Press system (*No Instalmec*)
- 30 - Press exhaust cleaning system



Fiber sifter							
Type	Capacity	Main dimensions		Cyclone	Air filtered	Installed power	Absorbed power
	Ton/h	DN (mm)	Height (mm)	DN (mm ²)	m ³ /h (mm ²)	kW*	kW*
FBS 1	10	2600	7700	1 x 2500	17000	90	72
FBS 2	20	3700	9100	2 x 2500	33000	160	133
FBS 3	30	4500	10500	2 x 3000	50000	250	200
FBS 4	40	5200	11900	2 x 3500	67000	355	270
FBS 5	50	5800	13300	4 x 2750	83000	400	335

Not binding data. We reserve the right of modification at any time without prior notice. *According to the project parameters and lay out.

