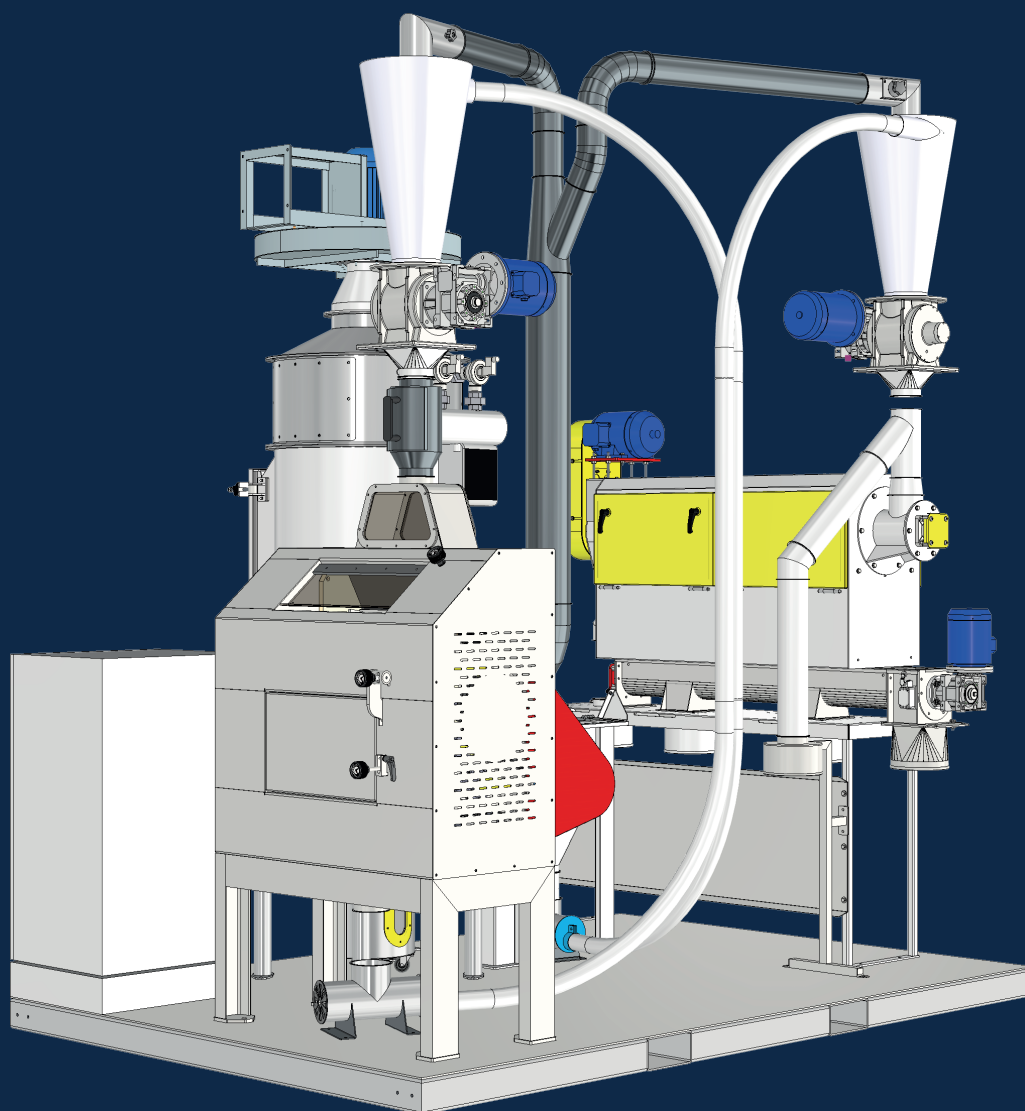


# TECHNALIA

PROGETTAZIONE APPLICATA



CUBE MILL

## INNOVATIVE SOLUTION FOR MILLING

**CUBE MILL** is the innovative solution for **milling** developed by **Technalia** that joins compactness, ease of use and mobility. Specifically its main characteristics:

**Compactness:** with measures of only 2x3x3 meters, the system fits easily in any environment. It allows operating in limited area or optimized spaces;

**Ease of use:** it offers an intuitive user experience, with few easy manual passages necessities to obtain various products;

**Economic:** we made the grinding cereal accessible to everyone. CUBE MILL is an economic solution compared to traditional milling plants;

**Easily transportable:** thanks to its structure mounted on a metal platform, CUBE MILL is easy transportable by forklift;

**Efficiency:** it is projected to optimize the energetic efficiency. It is capable to work also with an electrogene groupe, given the reduced energy consumption;

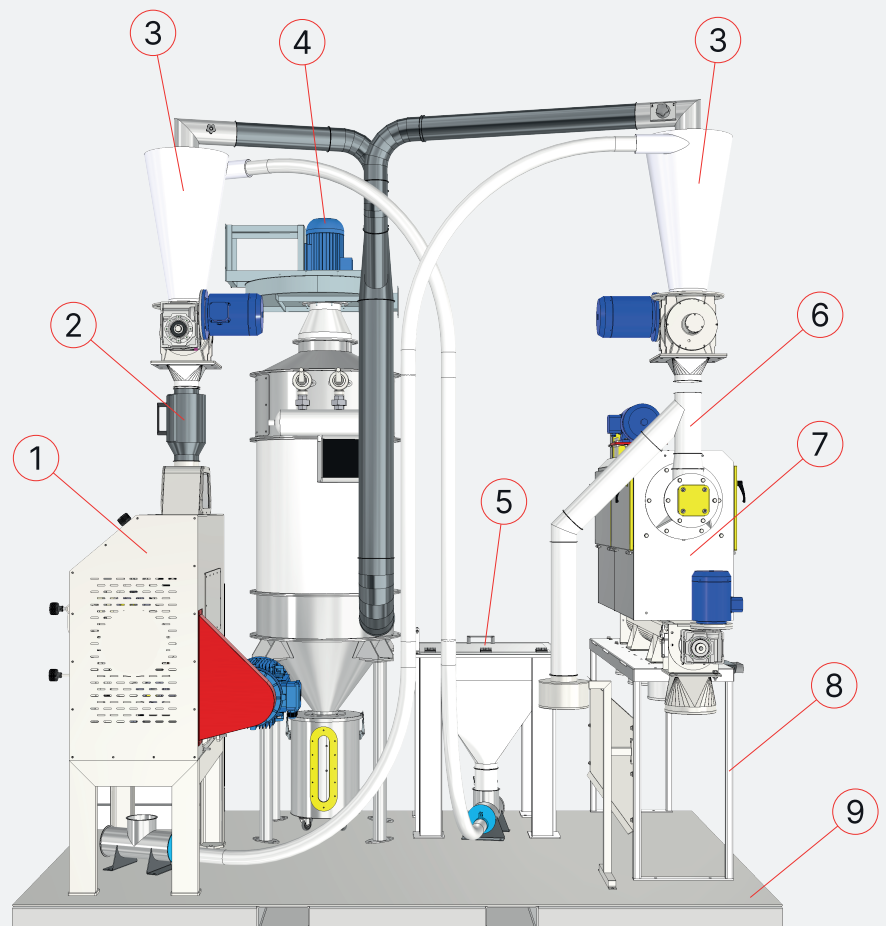
**Productive capacity:** despite the small and compact size, the capacity of the plant is 100 kg/h for the processing of wheat.

The main elements that make up CUBE MILL:

- (1) Rollermill
- (2) Magnetic device
- (3) Cyclone with rotary valve
- (4) High-pressure filter with aspirator
- (5) Loading hopper
- (6) Diverter valve
- (7) Rotating sifter with screw
- (8) Bagging base
- (9) Platform

(+) The installation involves the use of an electrical control panel and a compressor.

(!) All illustrations and data are to be considered illustrative and not binding.



## THE FUNCTIONNING OF THE CUBE MILL PLANT

The bags of clean grain\* are manually discharged into the **loading hopper**, which is equipped with a **manual valve** to control the capacity.

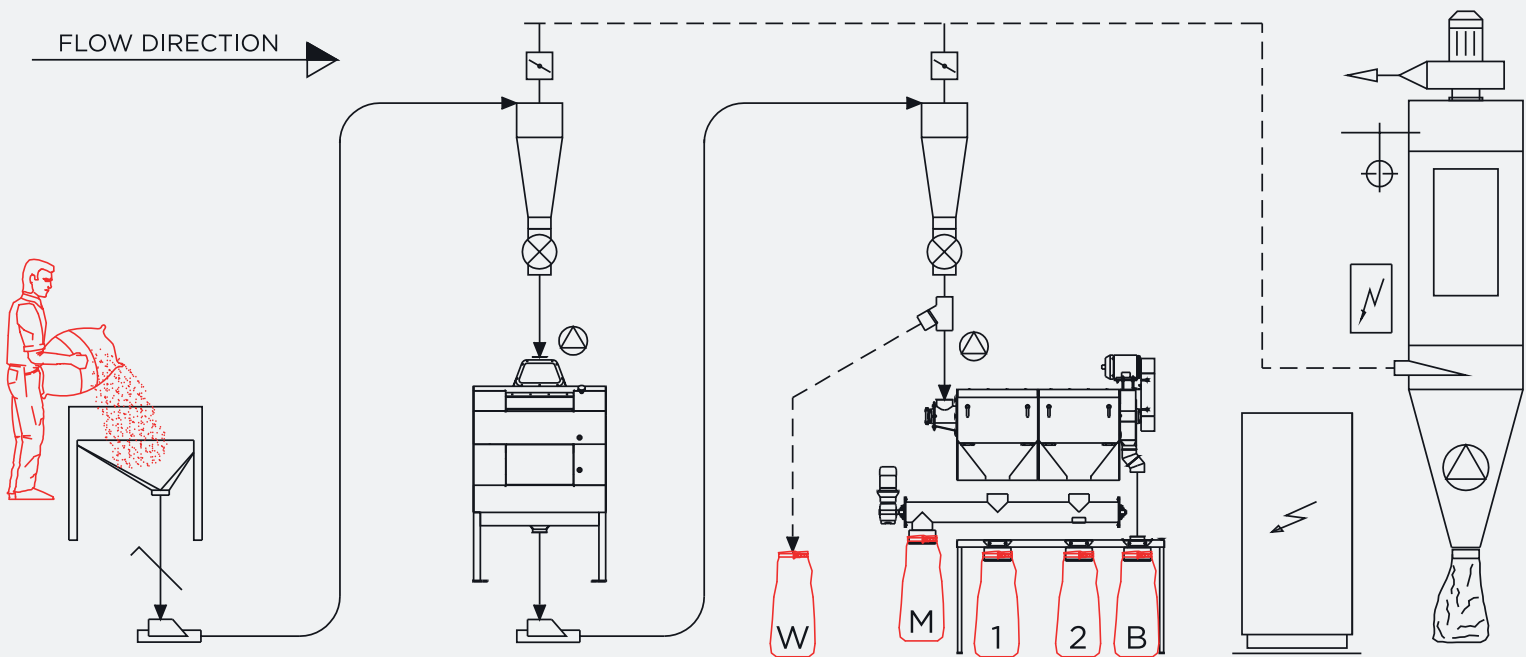
By means of the **pneumatic aspiration transport**, the product passes through a decanter cyclone with a rotary valve and is dosed into the **rolling mill**, where grinding takes place.

Subsequently, the ground product is dosed by a cyclone into a **diverter valve** that offers two possibilities:

1. The product passes into the **rotating horizontal sifter** to be sieved. **Flour 1, flour 2** and **bran** are obtained from the three outlets of the machine, which are equipped with **manual valves**. There is also the option of **mixing** flour 1 and 2 through a **screw**;
2. The product is bagged, without being sieved, to obtain **wholemeal flour**.

\*The product processed by the plant must necessarily **already be cleaned**. Technalia also offers the possibility of integrating a **compact grain cleaning system**, separate from the CUBE MILL. For further information please contact the company.

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(W) Wholemeal flour | (M) Flour mix 1 and 2 | (1) Flour 1 | (2) Flour 2 | (B) Bran



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