



Peeling machines COMBI 300 working in series

The new OLTREMARE combined mechanical peeling machine mod. COMBI 300 represents the latest development of OLTREMARE technology for peeling cashew kernels.

The basic idea is to combine two mechanical principles in line, so to have the maximum peeling effect in only one pass through the machine.

Such a solution allows a better manipulation of the product, reducing breakages and improving hygienic conditions.

The peeling principles are the following:

- ⇒ rotational drum: the kernels advance into the lower part of the cylinder and the peeling springs, mounted in packs on an eccentric shaft, touch them gently while rotating. This action is aimed at fracturing the testa that uniformly covers the kernel, so to prepare it to the subsequent air compressed action. The cylinder is made of slotted sheet metal. Sheet-metal slides facilitate the inlet and outlet of the kernels, while a hopper discharges the detached peels.
- ⇒ from the above action the kernels pass immediately to an air compressed unit that blows air at a pressure that removes the testa from the kernel.

ADJUSTING OPTION

- ⇒ Inlet flow
- ⇒ Distance of springs on kernels
- ⇒ Drum rpm
- ⇒ Air pressure
- ⇒ Belt position, tension and speed

TECHNICAL DATA

- ⇒ Installed power: 2 KW
- ⇒ Air consumption: $\pm 390 \text{ m}^3/\text{h}$ at 7 bar
- ⇒ Power supply: 380V 50Hz three-phase
- ⇒ Capacity: $\pm 300 \text{ kg/h}$ of cashew kernels in input

COMBINED PEELING MACHINE mod. COMBI 300

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