



Post harvest garlic  
equipment

# Bulb Cleaning Desk MES-LIMP-CINT

Cleaning and inspection at high performance

The driven rivet rod belt separate and remove the rests of soil stuck to bulbs and roots, skins, etc... before be graded, dried and stored.



## Complete reception line.

Hopper - Cleaning Desk - Brusher - Bulb grader

### SPECIFICATIONS

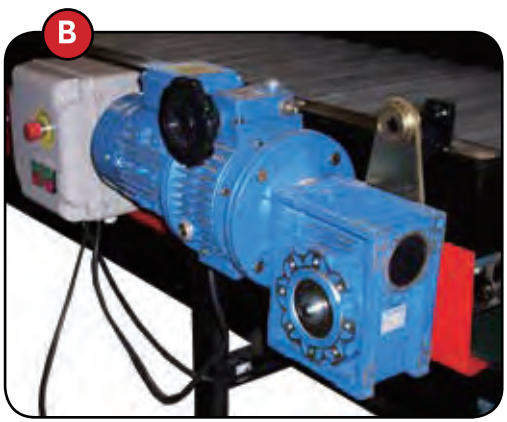
### MES-LIMP

Width (cm)	2290
Length (cm)	2700
Minimal height (mm)	1950
Sieve cleaning dimensions (mm)	2050x970
Rod Pitch (mm)	35
Rod diameter (mm)	10
Power (CV)	1,5
Weight (Kg)	620
Performance (Kg/hour)	8 Tm/h





A. A three working methods combined among the riveted rod belt, brush and the bars grill separate the clods and soil from the bulbs.



B. The rivet rod belt is driven by an electrical motor of 1,5 CV with variable speed to adapt it to garlic bulb conditions from the field.



C. The clods, soil, and removed rests are collected and unloaded through the rubber belt to the trash boxes.



D. The length of the bulb cleaning desk makes an efficient cleaning of bulbs. Can be used combined with other processing equipment as brush or grader.



E. The 970 mm width and 2050 mm length of the cleaning surface give high performances until 8 Tm/hour with a high capacity of separate and remove rests of clods and soil.



F. The design and parts selected are focused on the care of the bulbs' quality in the cleaning process.

## Garlic Brusher

Intensive cleaning of garlic bulbs before grading and storing

Remove the soil, external dry peels and any other parts using rotative brushes without damage the garlic bulbs.



### SPECIFICATIONS

### CEPI-B

Width (cm)	125
Length (cm)	371
Number of brushes	22
Brushes width (cm)	100
Performance (kg/h)	4000
Power (CV)	2
Weight (kg)	650



A. 3m brushing up and down remove efficiently the soil and the external brown peels.



B. High working capacity due to XL width.



C. Two top brushing sheets with double regulation adjust the brushing strength.



D. Easy Double regulation of top brushing sheets.



E. The specific synthetic filaments brushes provide excellent rotation to ensure thorough cleaning of garlic bulbs.



F. The final screen separates the rest of soil and avoids getting it into container.

# Garlic Grader

Gentle and precise grading at high performance

A consistent size improve the crop profit. The modular grader JJ Broch can be adapted as number of sizes as needed to optimize the crop marketing.



## SPECIFICATIONS

## CLASIF

Loading height (cm)	155
Unloading belts height (cm)	94
Conveyor belt dimension (cm)	35
Conveyor belt length (cm)	380 X 100
Power (CV)	
- Unloading belts	0,25
- Vibrating	1
- Drive	2
Tension (V)	380
Performance (kg/h)	8000



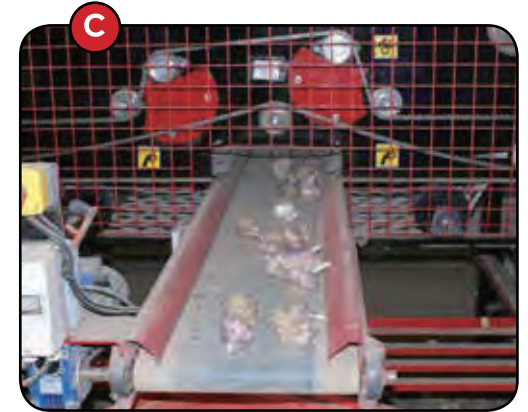
**A. Rubber hole belts in fall positi.**

The modular design of grading units can set up as sizes in a line as was needed for more different marketing sizes.



**B. Precise gradjas.**

The long length of any hole belt unit and the separate belt speed provide enough time for an exact grading of the bulbs in its precise size.



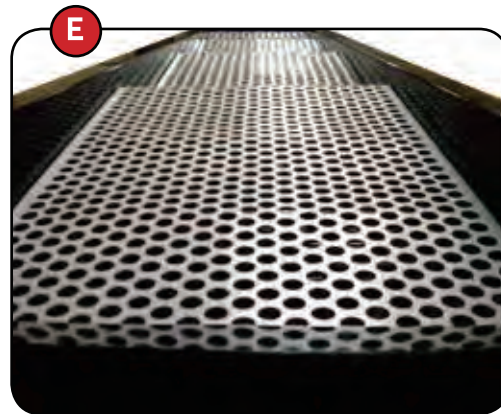
**C. Careful grading and exit.**

The transfer belts are positioned a very low drop height to avoid damages in bulbs. Can unload to Big boxes or small boxes.



**D. Optimal handling conditions.**

Each grading unit with separate transfer belt has place for the worker in charge of inspection, control and piling up.



**E. High entry volume.**

A effective working width of 1000 mm ensure a high volume flow of garlic bulbs up to 8 Tm per hour.



**F. Storing by quality size.**

A precise bulb grading and classification improve the marketing quality and the crop profit.

# Garlic peelers JJBroch

Higher profitability at harvest time.

Split and peel garlic allow you to make more profit of your production.



## Garlic splitter

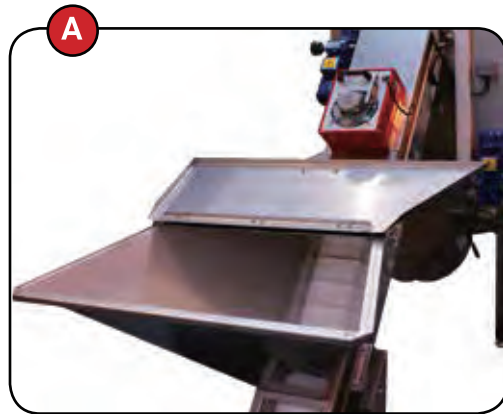
The separation and classification of the cloves is the first step for a uniform, regular plantation. High work output allows for the amount shelled to be adapted to the rhythm of the plantation.



SPECIFICATIONS	LPL 200	LPL 150	LPL 150
Pressure needs	4200 l a 7 bar.	2000 l a 7 bar.	1000 l a 7 bar.
N° of injectores	12	7	4
Peeling belt width	400 mm	200 mm	100 mm
Inspection desk dimensions (m)	3 x 0.6	3 x 0.5	2 x 0.5
Vacuum motor´s power (CV)	10	7	5
Yield (Kg/hour) up to*	200	150	100

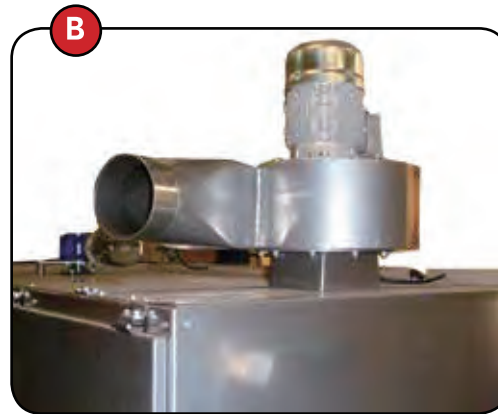
\* Yield can vary according to cloves´ calibre





**A. Heating.**

The feeding chute equipped with a cover and heater keeps the garlic's temperature before the peeling process.



**B. Extraction of garlic waste materials.**

All waste materials produced in the peeling process are extracted by a strong pneumatic suction system. Only peeled cloves remain in the peeling camera.



**C. Control band.**

The inspection desk allows workers to check peeled cloves removing the ones that does not meet with consumption standards.



**D. Construction for food use.**

All of JJBroch peeling line design and manufacturing meet with requirements and european legislation for food processing equipment.



**E. Effectiveness of 98%.**

The injector's oscillating system and the peeling camera design facilitates the compressed airflow and achieve an 98% of efficiency in the peeled gloves.



**F. Compressed air, the work tool.**

An air and filter compressor unit adeduated for food use supplies airflow to the injector for an optimum peeling (compressors not included).

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**Garlic planters**

The garlic planters collect and position the garlic bulblets without damaging at the depth and dosage required. Their great efficiency, low maintenance and easy of use makes them a vital tool for any garlic producer.



**Harvester binder**

The garlic harvester-binder removes the bulbs of garlic from the soil, eliminating part of the soil, maintaining the leaves for greater preservation and grouping the harvest together to make collection easier.



**Harvester cutter**

The harvester-cutters remove the bulb from the soil, remove part of the soil and cut the leaves, storing the bulbs in boxes or sacks of different sizes.



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