

***MOGENSEN***

## **CLASSIFICATION OF ALMONDS**

ALLGAIER Process Technology offers powerful and effective equipment and system solutions for almonds processing



[www.mogensen.es](http://www.mogensen.es)

## ALMONDS PROCESSING EQUIPMENT: GSort DENSIMETRIC TABLE

MOGENSEN, in cooperation with a consolidated client in Europe, has adapted its densimetric table for dry density separation, GSort Light, to separate almond from stones, once recollected from the ground.



This process is carried out by collecting almonds that have fallen to the ground and have not been able to be picked directly from the tree. Once screened, as the first step to remove the dust and classify the small from the large pieces, the main problem is to separate the stones from the almonds that have the same size. The GSort densimetric table is the perfect solution for this challenge: this powerful machine separates by dry density improving current technologies both in efficacy (minimal consumption) and effectiveness (with an accuracy of 99%).

MOGENSEN's Spain division has been responsible for the development of this innovative solution, which has been combined with screening solutions from MOGENSEN (Wedel, Germany), allowing us to offer a complete solution for our clients.

The available models of the GSort GL are capable of processing up to 36 tons/hour in one machine with a fraction of 50% stones 50% almonds.



**Photo: Interior of the densimetric table (in operation) at the ALLGAIER MOGENSEN test plant.**

## MOGENSEN TECHNOLOGY FOR THE ALMOND INDUSTRY

### MSizer Extend: The new dimension of screening



- Up to 6 decks (7 different sizes)
- Shorter set-up times
- Long-term testing under maximum load
- Increased material throughput with a small space requirement
- Up to 20% reduced energy consumption
- Simple screen replacement requiring only one person

### MSort: Almonds at the highest level



- Material detection by color, grain size, and shape, composition, or atomic density
- Highest throughput per working width available in the industry
- Detection of up to 25,000 particles per second
- Sorting accuracy of up to 99.9% in one sorting step

### Test Plant: Constant testing to improved solutions



- More than 22.000 tests have been carried out
- We use the original material from our clients in order to assess the best parameters to guarantee the total efficiency of Allgaier's equipment
- Continuous testing, always adapted to the client's needs and in the strictest confidentiality

## WHO WE ARE

### **Custom-Tailored and Innovative Solutions for the Bulk Material Processing Industry**

Extensive experience makes MOGENSEN the preferred partner when it comes to anything related to process engineering and technology.

With a worldwide presence in over 40 countries, MOGENSEN supplies both standard and custom-built systems for industrial washing, drying, cooling, screening, and sorting applications for all types of bulk material.

MOGENSEN can look back on 50 years of experience and today is an important supplier for a variety of industries including, but not limited to, the waste, recycling, mining, non-metallic mineral processing, chemical, pharmaceuticals, food, fodder, lumber, ceramic, plastic, and metallurgical industries.

The brand supplies more than 30,000 worldwide customers from the processing industry with custom-tailored and innovative solutions that are based on industry-leading experience derived from well over 45,000 series of tests.

One-of-a-kind teamwork between the individual companies that make up the division guarantees that all processes run smoothly and benefit from synergistic effects. Intercultural expertise and continuous process and workflow organization improvement ensure that quality is kept consistent, production grows, and resources are conserved.

**Integrated thinking and acting – that is how we stay one step ahead of the competition at all times.**



A member of the  
**JOEST® group**

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