



# MS Seeds 500

The MS Seeds 500 deseeder is the only machine on the market that can separate cannabis seeds from flowers and leaves and clean them. It has been designed to deseed, clean and calibrate the seeds of your dried plants. The deseeder can work with most varieties and process large amounts of material.

MS Seeds 500 provides seed-free biomass, enabling extraction of stable and high-quality oils for the medicinal sector. It can also provide completely clean seeds for oil extraction or replanting.





## Autonomy

The MS Seeds 500 is designed to carry out the entire process of shelling, cleaning and sizing. The intervention of the operator is necessary in the initial phase for the introduction of cannabis into the sheller and in the second phase to regulate it according to the variety to be processed and the conditions of the raw material.

The purpose of the ventilation system is to clean the seeds from any plant material and the worm shaft conveys the seeds through the barrel. Both actions are in operation in the different phases.

### Phase #1. Introducing the raw material and deseeding

The inserted cannabis flowers must always be **fully dry**. Once inserted into the MS Seeds 500 deseeder, they are processed by the deseeding system. This consists of a stainless steel grid and joints made of food-quality silicone. Both components are certified for compliance with GMP requirements.

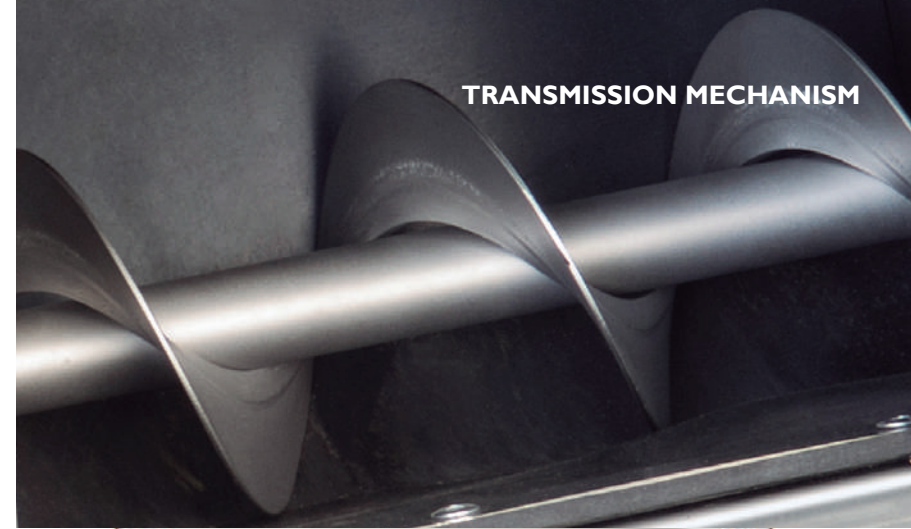
### Phase #2. Cleaning the seeds and flowers

Separation of the seeds is carried out with adjustable ventilation power and adjustable suction flow. The controls can be regulated to adapt the MS Seeds 500 deseeder to process any type of cannabis variety and seed size. In the separation phase, the plant material is separated by means of a ventilation system. These flowers are stored in the cyclone filter tank without suffering any damage.

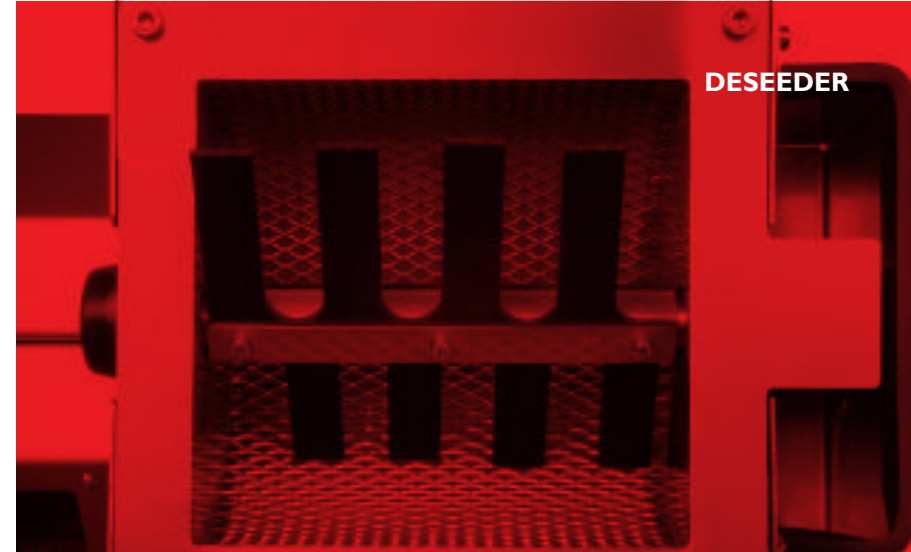
### Phase #3. Separation by size

In the last phase of the production line, the seeds are driven through a stainless steel barrel with multiple perforations of different diameters. These classify the seeds into two sides and deposit them in different trays according to their size. The MS Seeds 500 deseeder finishes the process with a final plant material screen to leave the seeds completely clean.

**THE MS SEEDS 500 DESEEDER HAS BEEN DEVELOPED AND TESTED BY OUR R&D DEPARTMENT. THE INNOVATIVE SYSTEM MAKES IT AN EFFECTIVE AND HIGHLY AUTONOMOUS MACHINE.**



TRANSMISSION MECHANISM



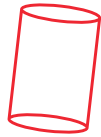
DESEEDER



SEPARATION BY SIZE



## Where do the flowers go?



Cyclonic filter container



Flower 4 to 6 mm

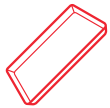
The flowers are treated gently during the whole cycle in the MS Seeds 500 deseeder. They are safely stored in the cyclone filter and preserved with a diameter of **4 to 6 mm**. They are completely clean and chopped for use in extraction.

## Where do the seeds go?

At the end of the production line, the seeds are separated into two trays where they are separated by size. They are clean and ready to use. The MS Seeds 500 mechanisms enable the grains to retain their **physical qualities and properties**.

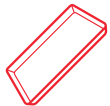
## Classification by Tray

1



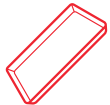
Plant matter cleaning remains

2



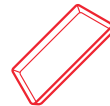
Smaller seeds

3



Bigger seeds

4



Large plant matter remains

## Technical Specifications

Machine electrical data	300W / 230V
Aspirator electrical data	1000W / 230V
Machine weight	80 kg
Machine dimensions	135x70x121 cm
Pallet dimensions	145x81x180
Dry production	35 kg/h
Noise level	75 db
Machine materials	Stainless steel
Adjustable air suction	Yes
Engine air cooler	Yes
Plant materials cyclone separator	Yes
Security system	Yes
Seed size	2 different sizes
Air suction	Yes
Warranty	5 years



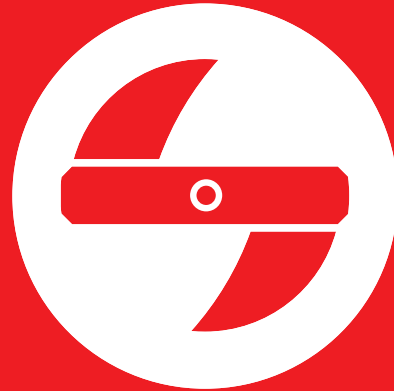


## GMP Compliant

The deseeder is manufactured in stainless steel for use in GMP facilities. All components in contact with the product are certified for food use as well as the food-grade silicone.

The design of the MS Seeds 500 deseeder is clean, with no corners where waste could accumulate. Its mechanical properties also make it possible to dismantle the deseeder completely for water pressure cleaning.





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A TECHNICAL SERVICE PROVIDER,  
*WE ARE YOUR TEAM.***

 **Master** PRODUCTS