

# COMPACT PROCESSING PLANT





# Our Experience. Your vision.

Cimbria is more than the equipment we produce. We are professionals who thrive on building creative solutions to bring your vision to life. We've been doing it since 1947. We combine the right technology with the right team to bring it all together. Our purpose is your success. You can feel confident because you have an expert at your side – helping you grow into the future.



[WATCH THE VIDEO](#)

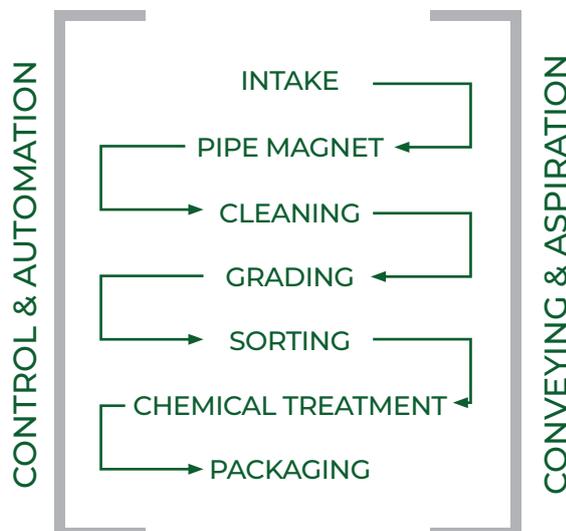


# The First PLUG & PLAY Processing Plant.

Cimbría offers the world's very first seed processing plant that is **fully pre-assembled and tested in the factory** for shipment to clients around the globe. It represents the **ultimate compact solution** developed by the Cimbría R&D department, with the support of several leading seed companies, **to match 100% the current market demands.**

Seed producers can **minimize their risk** when entering new markets by choosing this plug-and-play solution before investing in a permanent plant. The Cimbría processing plant **can be operable within a few days** and can be easily transported to another site, if needed.

The building **requirements** are **very few**, as only a level ground plate and roof are needed.





## Pre-Assembled Structure

The compact plant comes pre-assembled in tailor-made 40 feet high cube containers. The plant is fully automated with a PLC-controlled switch board that digitally contains all manuals, spare parts and service lists. Additionally, it notifies you when it is time to service your equipment. **Online service** to the PLC is possible via Internet.

A central vacuum system is included for simple and **quick cleaning** of the entire plant. Additional screens and indented segments come in racks for **safe storage**, ensuring great flexibility for the processing of multiple other varieties. Large double doors in front of each machine makes it easy to perform daily work, service and maintenance.

The convenient catwalk gives you access to the upper container. It is shipped along with other auxiliaries, such as the intake pit, inclined feeding belt conveyor and Cyclofan, in two extra 40-ft. containers which can be then used for storage.

## Customized Finishing

Finished products can be filled in small bags from 10 to 50 kg in the bagging line, equipped with stitcher and belt conveyor. Alternatively, seed can be filled in big bags using a platform scale and hanging frame. The chemical treater room is isolated and can be heated.

**Upon request**, an **POWER Diesel generator** can be supplied to run the entire plant. Optional filter systems for dust collection are available to fulfill any local requirements.

# Advantages of the System.



## • FULLY PRE-ASSEMBLED AND TESTED

Installation takes only around 3 days on-site. Guided by a Cimbria supervisor, there's no danger of incorrect installation or unexpected issues during startup.



## • NO PLATFORMS NEEDED

Container for transport = Platform for machines.



## • EASY ELECTRICAL INSTALLATION ON SITE

The plant is pre-wired with only a few connections to complete on-site. We've made it easy, too, with special plugs to avoid mix-ups. All electrical components are included.



## • MINIMUM SPACE DEMAND

Footprint app.  
L 20m W 3,5m H 6m for CSP and CMP  
L 50m W 3,5m H 4,6m for CCP and CFP  
The space around is required only for handling and forklift operations.



## • NO SPECIFIC BUILDING REQUIREMENTS

Only an asphalt surface under a roof is necessary, minimizing building costs.



## • SUITABLE FOR A LARGE VARIETY OF PRODUCTS

Flexible for various products.



## • OPTIONAL FILTER PLANT FOR ASPIRATION

Suitable for use in urban areas.



## • PLANT IS "PORTABLE"

Leasing for mobile units is possible.

# Flexible for Various Products: Grains, Seeds, Coffee And Pulses.



## • HOUSEKEEPING EQUIPMENT INCLUDED

Easy to keep the plant clean.



## • CE MARKING FOR THE ENTIRE PLANT

Safe operation for plant-staff.



## • OPTIMIZED COST-BENEFIT RATIO

Quick return on investment.



## • UNIQUE DESIGN

Compact and smart appearance.



## • SPARE PART PACKAGE FOR ALL MACHINES INCLUDED

Minimum downtime for maintenance operations.



## • PLANT CONTROL UNIT CONTAINS ALL USER MANUALS

Simple and quick maintenance instructions and service reminders for a long lifetime.



## • EXTRA CONTAINERS WITH AUXILIARIES CAN BE USED AS STORAGE

Excellent place for spare parts, screens, segments, decks and storage racks.

## • CHEMICAL ROOM CAN BE HEATED



Ideal conditions for consistent viscosity.



# CSP.

## Compact Seed Plant

Up to 5 ton/h wheat input



**INTAKE PIT AND BELT CONVEYOR**  
For simple and quick feeding of the processing line.



**CONTAINER RACK**  
Containing all the equipment. Including stairs and catwalk.



**PIPE MAGNET**  
To remove metallic parts.



**FINE CLEANER**  
To remove big, small, thick, thin and light impurities.



**PLC CONTROL UNIT**  
For full automatic operation of the plant.



**CENTRAL VACUUM SYSTEM**  
For housekeeping.



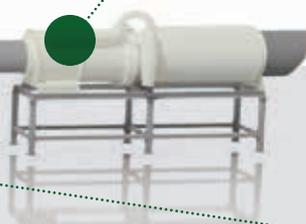
**INDENTED CYLINDER**  
To remove short and long impurities.



**GRAVITY SEPARATOR**  
To remove light impurities and kernels with low germination capacity.



**CYCLOFAN**  
For central aspiration.



**CONTINUOUS CHEMICAL TREATER**  
For chemical treatment to protect kernels.



**COMPRESSOR**  
To feed pneumatic drives and for cleanout.



**FILLING STATIONS**  
Either in 10 – 50 kg bags or in big bags, or both.



# CMP.

## Compact Maize Plant Up to 2-3 ton/h maize input



**INTAKE PIT AND BELT CONVEYOR**  
For simple and quick feeding of the processing line.



**CONTAINER RACK**  
Containing all the equipment. Including stairs and catwalk.



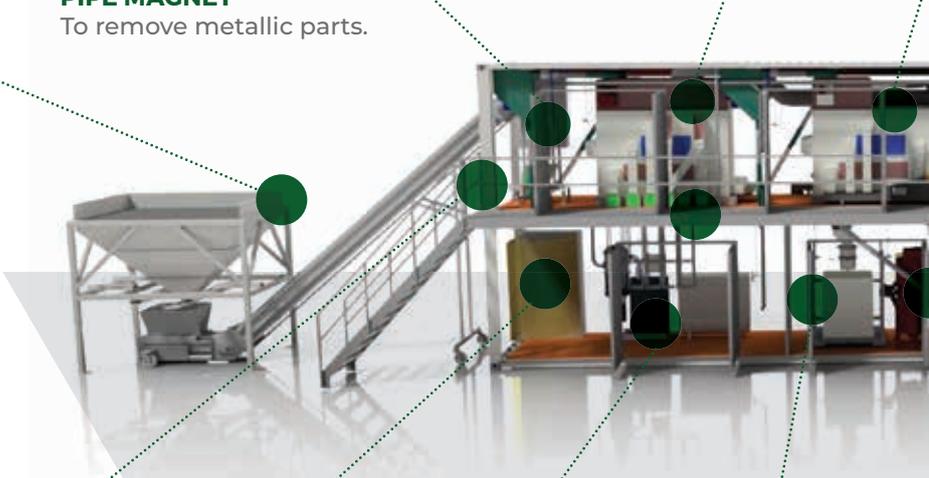
**PLC CONTROL UNIT**  
For full automatic operation of the plant.



**PIPE MAGNET**  
To remove metallic parts.



**FINE CLEANER**  
To remove big, small, thick, thin and light impurities.



**CENTRAL VACUUM SYSTEM**  
For housekeeping.





**GRADER**

To grade the maize into different fractions.



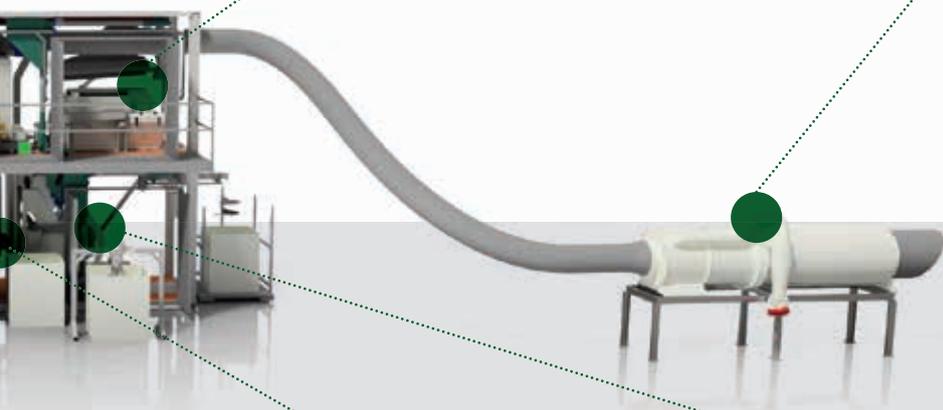
**GRAVITY SEPARATOR**

To remove light impurities and kernels with low germination capacity.



**CYCLOFAN**

For central aspiration.



**OPTICAL SORTER**

For removal of discolored impurities and other defects.



**FILLING STATIONS**

Either in 10 – 50 kg bags or in big bags, or both.



**BATCH TREATER**

For chemical treatment.



**COMPRESSOR**

To feed pneumatic drives and for cleaning.





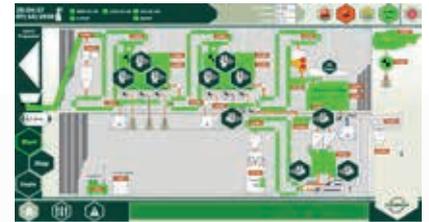
# CCP. Compact Coffee Plant Up to 2 ton/h coffee input



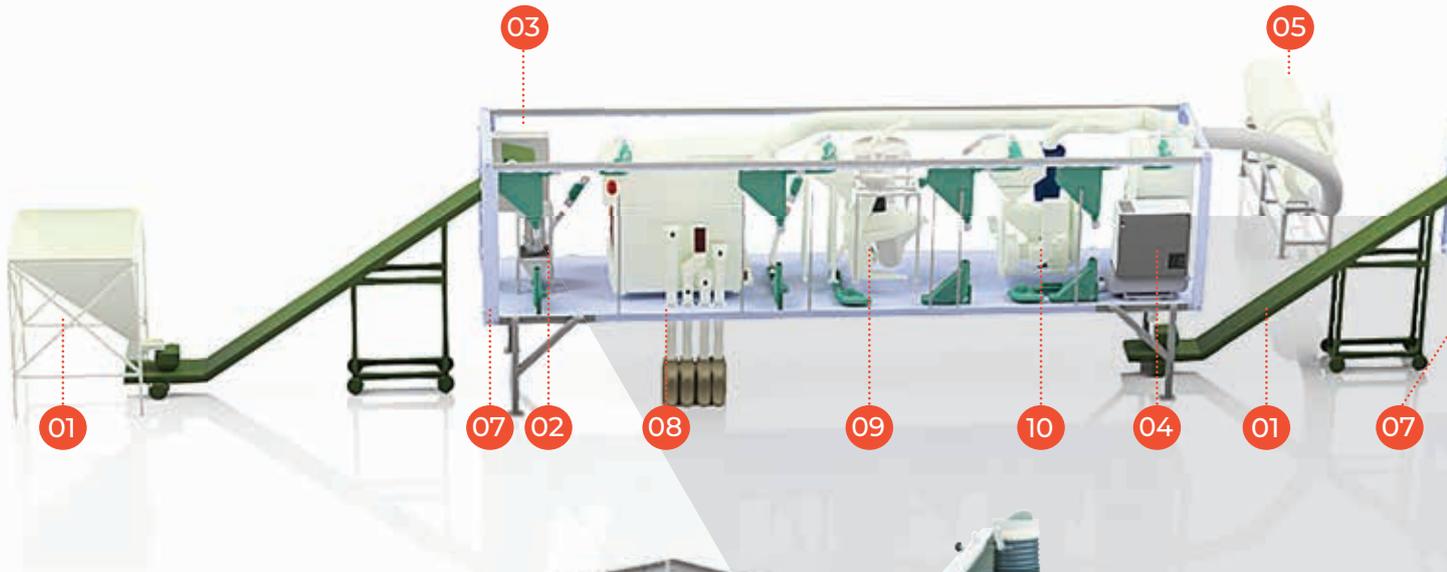
**01. INTAKE PIT AND BELT CONVEYOR**  
For simple and quick feeding of the processing line.



**02. PIPE MAGNET**  
To remove metallic parts.



**03. PLC CONTROL UNIT**  
For full automatic operation of the plant.



**07. CONTAINER RACK**  
WAB Containers for easy Unloading from trucks.



**08. PRECLEANER**  
To remove coarse, fine and light impurities.



**09. DESTONER**  
To remove heavy impurities (stones, metallic particles).



**10. HULLER**  
To remove the husks from the coffee beans (cherry or parchment coffee).



**04. COMPRESSOR**

To feed pneumatic drives and for cleaning.



**06. FILLING STATIONS**

Either in 10 – 50 kg bags or in big bags, or both.



**05. CYCLOFAN**

For central aspiration.



**11. GRADER**

To grade the coffee into different fractions.



**12. GRAVITY SEPARATOR**

To remove light impurities and damaged beans.



**13. OPTICAL SORTER**

For removal of discolored impurities and other defects.





# CFP.

## Compact Food Plant

Up to 4 ton/h legumes input



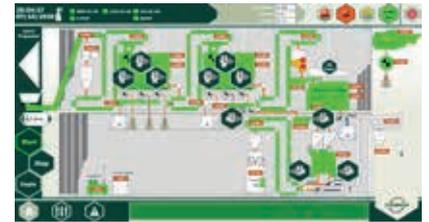
**01. INTAKE PIT AND BELT CONVEYOR**

For simple and quick feeding of the processing line.



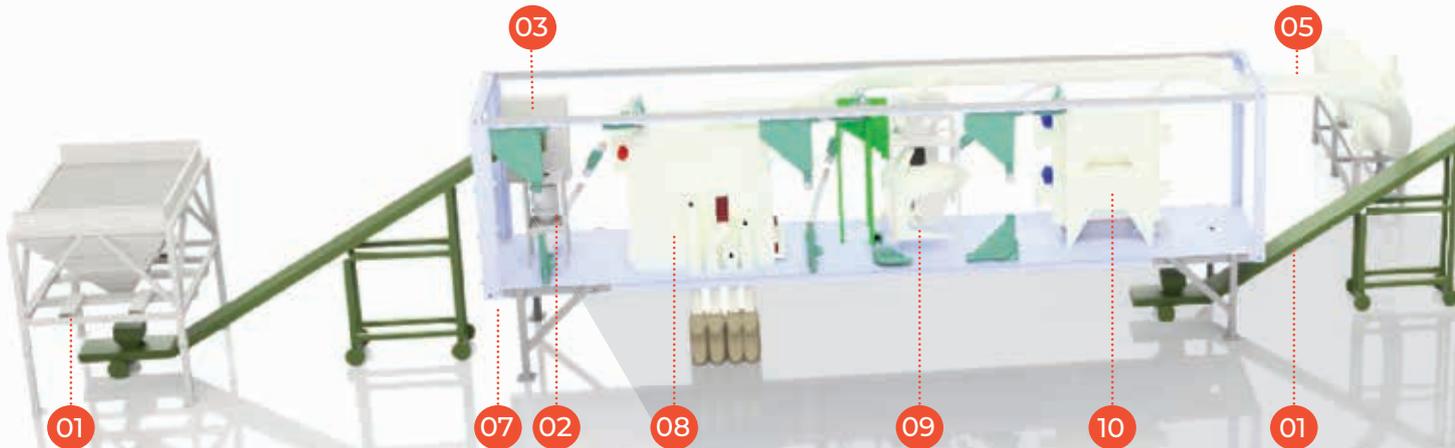
**02. PIPE MAGNET**

To remove metallic parts.



**03. PLC CONTROL UNIT**

For full automatic operation of the plant.



**08. PRECLEANER**

To remove coarse, fine and light impurities.



**09. DESTONER**

To remove heavy impurities (stones, metallic particles).



**10. SURFACE TREATMENT**

For brushing or peeling or polishing of seed surface.



**11. FINE CLEANER**

To remove big, small, thick, thin and light impurities.



**04. COMPRESSOR**

To feed pneumatic drives and for cleaning.



**06. FILLING STATIONS**

Either in 10 – 50 kg bags or in big bags, or both.



**05. CYCLOFAN**

For central aspiration.



**07. CONTAINER RACK**

WAB Containers for easy Unloading from trucks.



**12. INDENTED CYLINDER**

To remove short and long impurities.



**13. GRAVITY SEPARATOR**

To remove light impurities and damaged seeds.



**14. OPTICAL SORTER**

For removal of discolored impurities and other defects.





# Reduce Your Environmental Impact.

- Less transportation - Cimbria's Compact Processing Plant is assembled in one place with short supply routes
- Container only shipped once, no return freight of containers.
- Reduced travel since no assembly teams are needed
- Lower CO2 emission as less heavy equipment is needed during construction/assembly
- Complete CPP is assembled in Austria with electricity from renewable energy
- Containers used for the CPP are up-cycled from standard ISO-containers
- Compact design allows to reduce length of conveyors, height of elevators etc and thus saves energy
- No need for special factory building or steel platforms to install the machines
- Reduction of sealed soils due to comparably small footprint
- Auxiliary equipment comes in last trip containers which can then be used as extra warehouse space



As an option, Cimbria can supply the POWER diesel generator, to serve the plant with electricity in remote areas.

## COMPACT PLANT RANGE AND TECHNICAL DATA

MODEL	CSP 5	CMP 2	CCP 2	CFP 4
INTAKE CAPACITY	5 t/h wheat	2-3 t/h corn	2 t/h green coffee	4 t/h legumes
	4 t/h barley	0,8 t/h sunflower		1 t/h fine seeds
SPACE REQUIRED FOR PLANT AND FORKLIFT HANDLING	Min. L 27 m x W 8 m x H 8 m Min. L 1.100 in x W 320 in x H 320 in		Min. L 55 m x W 8 m x H 8 m Min. L 2.200 in x W 320 in x H 320 in	
1st CONTAINER WEIGHT	11 t / 25.000 lbs	14 t / 31.000 lbs	9 t / 20.000 lbs	9 t / 20.000 lbs
2nd CONTAINER WEIGHT	8 t / 18.000 lbs	11 t / 25.000 lbs	9 t / 20.000 lbs	11 t / 25.000 lbs
3rd CONTAINER WEIGHT			9 t / 20.000 lbs	9 t / 20.000 lbs
INSTALLED POWER	~ 50 kW	~ 65 kW	~ 100 kW	~ 80 kW
NOMINAL POWER	~ 80 A	~ 100 A	~ 160 A	~ 130 A
REQUIRED POWER SUPPLY	3/N/PE AC 50 Hz 400 V / OTHERS ON DEMAND			
PLUG CONNECTION	CEE 125 A		direct connection (or CEE 250 A if available)	

**CERTIFIED  
QUALITY**



**CSC SAFETY APPROVAL**

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