



COMPACT PROCESSING PLANTS



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DISCOVER OUR INNOVATIVE SOLUTIONS FOR THE GRAIN AND SEED INDUSTRY



WATCH THE VIDEO

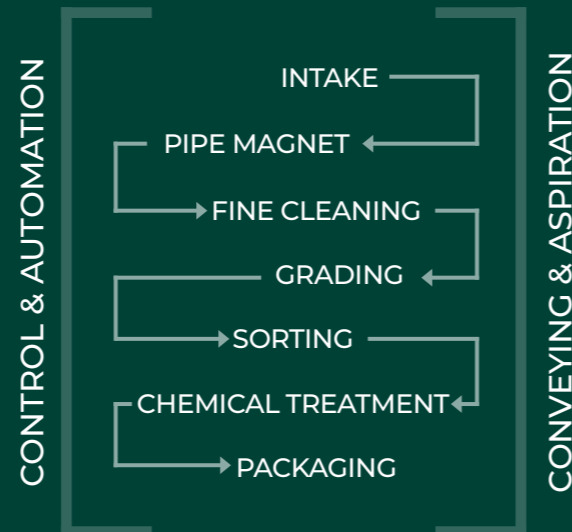


RESEARCH AND KNOWHOW – OUR PROMISE – YOUR GUARANTEE

Cimbria is a world-leading manufacturer of equipment and processing plants. Based on our in-house technology and experience, we have the capability to carry out the full design and supply of processing projects on a turnkey basis.

Each and every part of the process requires specialist knowledge. When designing plants and solutions, we use our knowhow to ensure that all parts of a plant are optimally coordinated and that daily operations and maintenance run as smoothly as possible.

Cimbria project management ensures the highest performance, quality and safety of our products and project execution. From the design to solutions delivery, the responsibility for your customized project lies in the hands of an experienced and dedicated project team.



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.



MACHINES ARE EASY TO CLEAN OUT

Genuine handling of seeds.



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 (including lighting and outlets).



MINIMUM SPACE DEMAND

Footprint app. L 20m W 3,5m H 6m
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 CEREALS AND PULSES

Flexible for various products.



OPTIONAL FILTER PLANT FOR ASPIRATION

Suitable for use in urban areas.



PLANT IS "PORTABLE"

Leasing for mobile units is possible.



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 and constant viscosity.

THE FIRST PLUG & PLAY PROCESSING PLANT

Cimbria 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 Cimbria 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 Cimbria processing plant **can be operable within a few days** on-site and can be easily transported to another site, if needed.

The building **requirements are very few**; as only a levelled ground plate and roof are necessary to place the container plants.

THE STRUCTURE

The compact plant comes pre-assembled in two tailor-made 40 feet high cube containers. The plant is fully automated by means of a PLC-controlled switch board that digitally contains all machines' manuals, spare parts and service lists. Additionally, it provides service warnings for all the equipment according to the hours of operations of the plant. **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. In front of each machine, a large double-door grants **optimum access** for daily work, service and maintenance.

A convenient catwalk gives easy 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 seed can be filled in small bags from 10 to 50 kg in the bagging line, equipped with stitcher and belt conveyor for finished bags. Alternatively, the seed can be filled in big bags by means of a suitable platform scale and hanging frame. The chemical treater room is isolated and can be heated.

Upon request Cimbria can also offer an AGCO POWER in-house built **Diesel generator** for main supply to the entire plant. Optional containerized **filter plants** for aspiration are available to fulfill any local requirements.

01/ Intake pit and belt conveyor



02/ Pipe magnet and Delta flat screen cleaner



03/ Indented cylinder



04/ Gravity separator



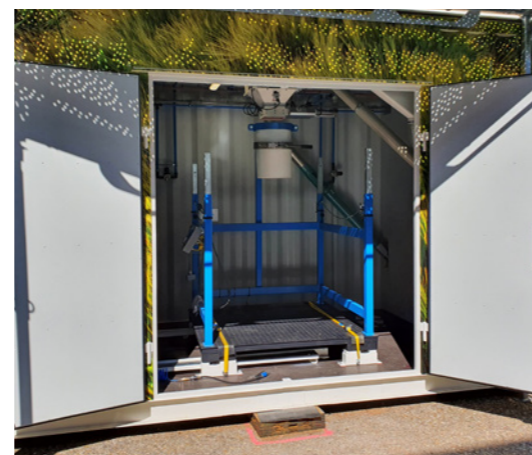
05/ Colour Sorter



06/ Continuous or batch chemical treater



07/ Big Bag filling



08/ Bagging line, vacuum system, PLC



09/ Cyclofan for aspiration



CSP COMPACT SEED PLANT, UP TO 5 T/H WHEAT INPUT



PIPE MAGNET
To remove metallic parts.



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



INDENTED CYLINDER
To remove short and long impurities.



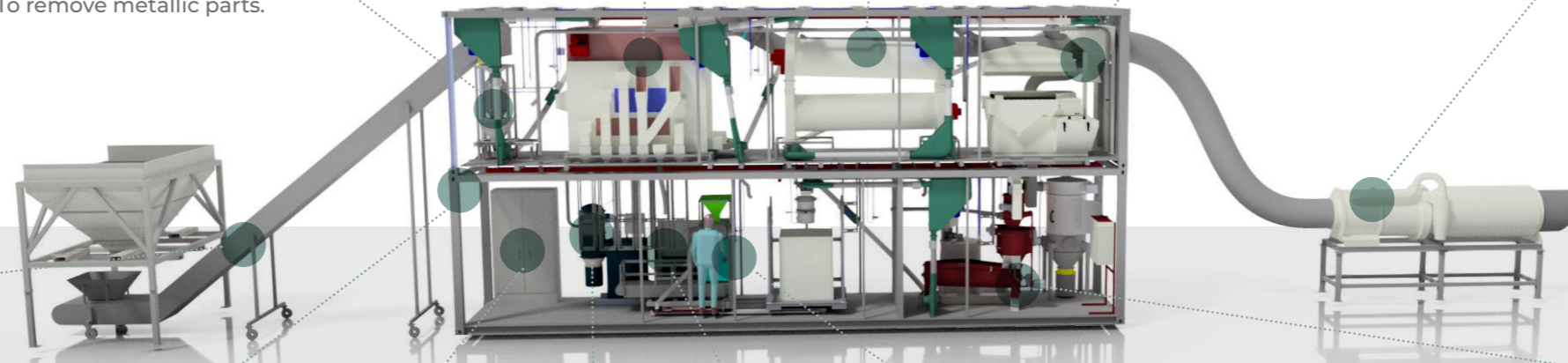
GRAVITY SEPARATOR
To remove light impurities and kernels with low germination capacity.



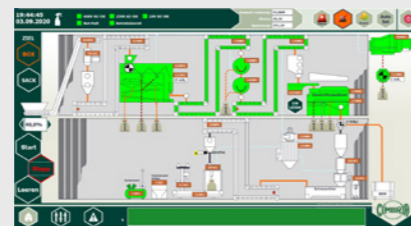
CYCLOFAN
For central aspiration.



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.



CENTRAL VACUUM SYSTEM
For housekeeping.



COMPRESSOR
To feed pneumatic drives and for cleanout.



CONTINUOUS CHEMICAL TREATER
For chemical treatment to protect kernels.



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

CMP COMPACT MAIZE PLANT, UP TO 2 - 3 T/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.



PIPE MAGNET
To remove metallic parts.



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



GRADER
To grade the maize into different fractions.



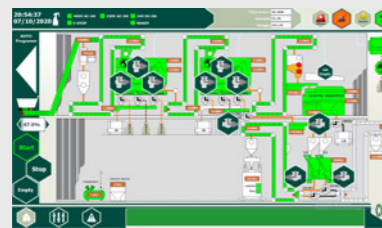
GRAVITY SEPARATOR
To remove light impurities and kernels with low germination capacity.



CYCLOFAN
For central aspiration.



COLOUR SORTER
For removal of discolored impurities and other defects.



PLC CONTROL UNIT
For full automatic operation of the plant.



CENTRAL VACUUM SYSTEM
For housekeeping.



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.



As an option, Cimbria can supply the AGCO 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
INTAKE CAPACITY	5 t/h wheat 4 t/h barley	2-3 t/h corn 0,8 t/h sunflower	2 t/h green coffee
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		
TOP CONTAINER WEIGHT	11 t / 25.000 lbs	14 t / 31.000 lbs	13 t / 29.000 lbs
BOTTOM CONTAINER WEIGHT	8 t / 18.000 lbs	11 t / 25.000 lbs	10 t / 22.000 lbs
INSTALLED POWER	~50 kW	~65 kW	~65 kW
NOMINAL POWER	~ 80 A	~ 100 A	~ 100 A
REQUIRED POWER SUPPLY	3/N/PE AC 50 Hz 400 V / OTHERS ON DEMAND		
PLUG CONNECTION	CEE 125 A		

All the technical data are indicative and may be subject to change. We reserve the right to change them at any time, without prior notice.

CERTIFIED
QUALITY



CSC SAFETY APPROVAL

FLEXIBLE
FOR VARIOUS
PRODUCTS:
GRAINS,
SEEDS, COFFEE
AND PULSES.





www.cimbria.com

Follow us   

A/S Cimbria
Thisted, Denmark
Phone +45 96 17 90 00
cimbria.holding@agcocorp.com

Cimbria Heid GmbH
Stockerau, Austria
Phone +43 22 66 699
cimbria.heid@agcocorp.com

