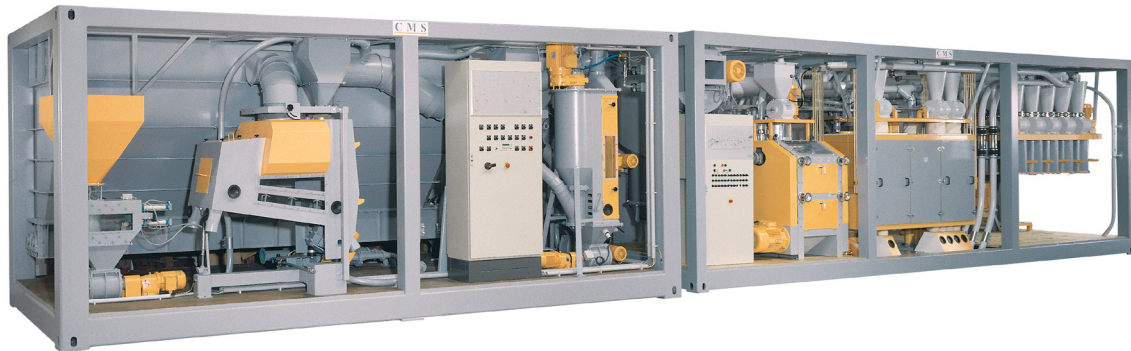


BENEFITS OF CMS



MODULARITY &
COMPACTNESS

SIMPLE
OPERATION

UNIVERSAL
GRAIN TYPES

Two essential components enable the processing of grain: a cleaning and a milling section.

The cleaning unit for the careful cleaning and damping of allo-cleaned grain and the milling unit contributes to the production of high quality baking flour with yield and ash values in accordance to Mohs.

MODULARITY & COMPACTNESS

The five CMS models cover a bandwidth from 8 up to 86 tons grain processing capacity per 24 hours. Due to the **CMS Modular System** and depending on the requirements, smaller models can prospectively be upgraded with additional CMS units, if the market demands.

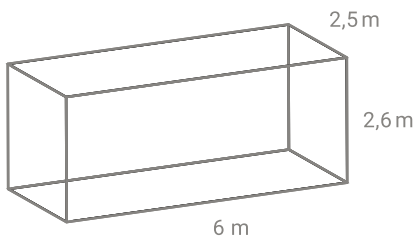
Using CMS plants, you save the space of a whole factory. That means minimum space requirements and maximum efficiency. The compact mills can be easily transported by truck or ship and are ideal for the usage in decentralised food supplying. The ease with which they can be assembled and dismantled again, also makes them ideal for supplying groups of agricultural operations or large-scale construction projects.

CMS mills are provided completely assembled and ready for operation, minimising your costs for installation and commissioning.

Intelligent technology shall not be complicated.

The simple, swift and patented short milling process ensures top quality. Our research mill ist the guarantee for our quality lead - to your advantage.

CMS mills have a standard 20' high cube container measurement, which simplifies the transport and saves start-up costs. Except a few add-on's, the system leaves our production sites ready to use.



The modularity saves costs by minimizing the risks: starting small and growing with the market.

The „plug-in and mill“ system ensures a 100% safe installation and will save start-up costs. The compactness saves cost when it comes to transportation and due to the lower space requirements, start-up costs will significantly be decreased, as no multi-level building is necessary.

CMS 350



1 Cleaning and milling container

8,5t/day
 Connected load*: ca. 50 kW
 Water consumption: 20-25 l/h
 Total weight: 8t

CMS 900



1 Cleaning container 1 Milling container

20t/day
 Connected load*: ca. 100 kW
 Water consumption: 50-90 l/h
 Total weight: 16t

CMS 1800



1 Cleaning container 2 Milling container

40t/day
 Connected load*: ca. 190 kW
 Water consumption: 100-180 l/h
 Total weight: 24t

CMS 2700



2 Cleaning container 3 Milling container

64t/day
 Connected load*: ca. 290 kW
 Water consumption: 150-270 l/h
 Total weight: 40t

CMS 3600



2 Cleaning container 4 Milling container

80t/day
 Connected load*: ca. 400 kW
 Water consumption: 200-260 l/h
 Total weight: 48t

SIMPLE OPERATION THROUGH HIGH QUALITY AND TECHNOLOGY



Years of experience, gaining know-how and steady technical innovation are packed into every CMS compact milling unit.

From A for after sales service to Z for zoning ordinances for the overall planning of future projects, CMS provides you with refined technological design.

With CMS, high technology does not lead to more complication.

While conventional mills need to be operated and maintained by highly qualified and expensive staff, CMS mills can readily be operated by anyone involved, after brief training in operating, servicing and safety.

The simple operation leads to **a minimum of personnel costs**, as no highly qualified staff is necessary and training is provided by CMS.

High Austrian quality-level and CE-labelling make CMS machines and electrical installations leading to **a minimum of maintenance costs**.

UNIVERSAL GRAIN TYPES



Various grain sorts from around the world, such as **wheat, rye, maize, rice or sorghum** can be simply processed to flour. We also work with new cereals in our research mill.

A CMS Desintegrator with its special milling system makes it possible to deactivate the fat splitting enzymes in the germ bud of the grain kernels, without destroying its vitamins. Due to this method, the valuable germ bud, essential for a healthy nutrition is not being separated in the CMS milling process and the shelf life of the produced flour is guaranteed for at least nine months.

If you have **special requirements**, we can develop a perfectly custom-tailored system to make your idea of milling possible.

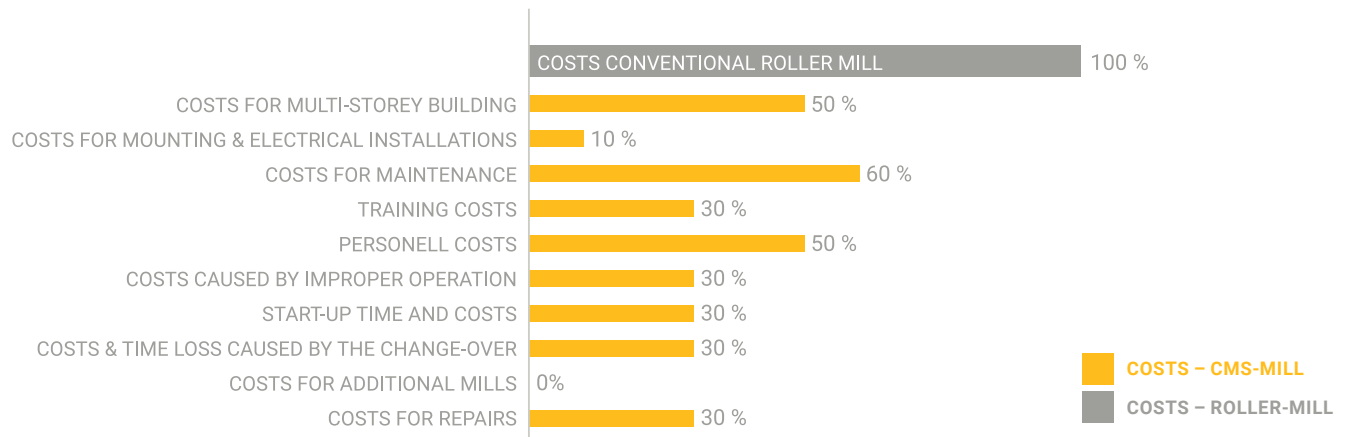
Costs and time loss can be avoided, due to the **easy change-over between rye and wheat milling**.

That will **save our customers 100% on further investments** for additional milling systems.

CMS believes that our customers are looking for a long-term investment.

High quality in processing is your assurance. Worldwide.

DECREASE COSTS WITH CMS



SAVINGS ON A MULTI-STOREY BUILDING

which is necessary for a roller-mill system compared to a hall with ramp-niveau for a CMS-mill:

> **COST BENEFITS OF 50 %**

MOUNTING AND ELECTRICAL INSTALLATIONS

The CMS-mill is handed-over to the customer ready for operation. Therefore only very low connection-costs are incurred.

> **COST BENEFITS OF 90 %**

MAINTENANCE

The CMS-mill consists of easy to operate and mostly maintenance-free machines.

> **COST BENEFITS OF 40 %**

TRAINING

Due to the simple and straight forward technical and technological solutions a few weeks training is sufficient (as opposed to a several years schooling for the operation of a conventional roller-mill).

> **COST BENEFITS OF 70 %**

PERSONNEL-COSTS

There is no need for highly qualified millers. Semi-skilled employees can be trained on the job; therefore local personnel can be employed.

> **COST BENEFITS OF 50 %**

COSTS CAUSED BY IMPROPER OPERATION OF THE MILL

Due to the easy operation of the CMS-mill improper operation can be almost excluded.

> **COST BENEFITS OF 70 %**

SAVINGS ON START-UP TIME AND START-UP COSTS

The CMS-mill is test-run in Austria and handed-over to the customer ready for operation.

> **COST BENEFITS OF 70 %**

COSTS AND TIME LOSS CAUSED BY THE CHANGE-OVER OF THE MILL

In the case of a roller-mill a much more complicated change-over of the machines is necessary, when switching from wheat- to rye milling (or the other way round).

> **COST BENEFITS OF 70 %**

SAVINGS ON COSTS FOR ADDITIONAL MILLS

In the case of a conventional roller-mill separate mills are necessary for the milling of maize, millet or sorghum. The CMS-mill allows the milling of wheat, rye, barley, maize, millet etc. by one and the same machinery.

> **COST BENEFITS OF 100 %**

SAVINGS DUE TO THE HIGH QUALITY OF THE MACHINE-BUILDING

CMS-mill: High Austrian quality-level with CE-labelling (= less repairs).

> **COST BENEFITS OF 70 %**

SAVINGS DUE TO THE HIGH QUALITY OF THE ELECTRICAL INSTALLATIONS, ETC.

CMS-mill: High Austrian quality-level with CE-labelling (= less maintenance and repairs).

> **COST BENEFITS OF 70 %**

INCREASE IN OUTPUT DUE TO THE OPTIMISED FLOUR-EXTRACTIONS COMPARED TO CONVENTIONAL ROLLER-MILL-SYSTEMS!

Example: At a milling amount of 4000 tons / year, an additional extraction of 5 % flour results in 200 tons more flour than bran.