



OTTEVANGER

MILLING ENGINEERS



General information

THE COMPANY

Ottevanger Milling Engineers is a leading global supplier of production equipment and processing lines for the grain processing and compound feed industry.

Founded in 1909, Ottevanger Milling Engineers is today still an independent, privately owned and successful Dutch company, under the management of the fourth generation of the Ottevanger family.

At our modern and well-equipped manufacturing facilities in Aalten and Moerkapelle, we design and produce a comprehensive range of process equipment according to the latest standards, and incorporating the newest technologies.

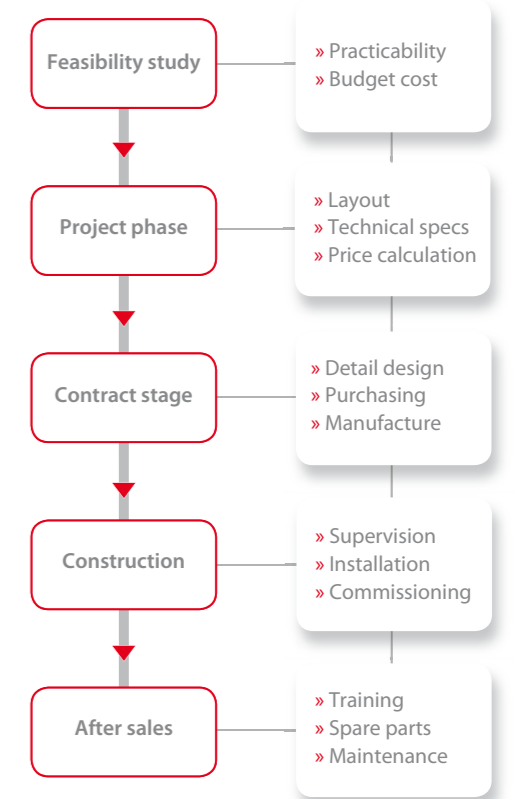
Our expertise lies in engineering, manufacturing, project management, and cereal processing. We plan, design and manage the construction of complete production facilities or individual lines for processes such as:

- » Feed mills
- » Premix and concentrate plants
- » Aqua feed and Pet food installations
- » Cereal processing lines
- » Biomass installations

Ottevanger does business world-wide as a dependable, high-quality component supplier, but also as a prime contractor or subcontractor on large-scale projects. The best solutions are the result of close cooperation with our customers, from the initial requirements specification through to training and handover.



The engineering and project management department plays a central role in our organization. They safeguard our standards, initiate improvements, and monitor developments in technology and legislation. At their disposal are decades of accumulated expertise acquired by Ottevanger Milling Engineers on successful customer projects. This concentration of know-how and skill is continuously augmented by regular training.



The project managers guide your project smoothly through all the necessary phases, from concept to realization. For the construction phase Ottevanger Milling Engineers will designate an experienced site manager who is familiar with local circumstances, and can supervise the project through to successful completion.

Turnkey installations



Miratorg FMP3, Russia
Feedmill 60 T/H

TURNKEY PROJECTS

Ottevanger-built plants deliver outstanding performance and reliability on a daily basis, around the globe. We design and build our installations to meet specific customer needs, according to the latest standards of safety, quality and reliability.

Every installation is assigned to a dedicated team of engineers and product specialists, experienced in performance-based design and manufacturing.



Nestlé Purina, UK
Petfood plant 10 T/H



Fane Valley, Ireland
Feedmill 80 T/H



ABB Grain Viterra, New Zealand
Feedmill 30 T/H



Fides Petfood, Belgium
Petfood plant 10 T/H



Rothkötter Mischfutterwerk, Germany
Feedmill 50 T/H

Animal feed industry



Paddle Mixers 100-12,000 litres

Features

- » homogeneity of mixture
1:100,000/C.V. < 4%
- » short mixing time: < 120 seconds
- » discharge time approx. 15 seconds
- » simple, reliable construction
- » small over-all dimensions
- » low power consumption



COMPOUND FEED INDUSTRY

Since the founding of our company, we have acquired more than 100 years of experience in a process of continuous development, improving and enhancing the performance of the equipment and processes by applying modern design standards and employing the latest production techniques.

Our designers take full account of the norms and directives that apply to the intended installation, including CE, ATEX and GMP.

Some of the products we develop and manufacture in-house:

- » Smooth or corrugated wall silos
- » A wide range of conveyors
- » Dosing/proportioning equipment
- » Macro, midi and micro ingredient scales
- » High and low speed hammer mills/ grinders
- » Single and double shaft batch mixers
- » Continuous mixers
- » Conditioners and sanitizers
- » Pellet mills
- » Expanders/extruders
- » Fat coaters / continuous atmospheric
- » Vacuum coaters



Hammer mills

Optional with automatic screen change

Cereal Process Technology

CEREAL PROCESSING

Over many years, Ottevanger has become a major player in the design and manufacture of plant and equipment for food and cereal processing, including flour and rice milling, malting, and the production of coffee, cacao and spices.

Building on our success with containerised feed mills, we can offer containerised flour mills with capacities as high as 150 tons per 24 hours.

Another of the company's activities is the supply of grain and seed cleaning equipment. In the design of all food handling equipment, we take special care to ensure that our products comply with the highest standards of hygiene and food safety.



Thai Instant Products, Thailand
Rice extrusion line

Modular solutions

CONTAINERISED FEEDMILLS WITH OUTPUTS OF 3-45 TPH

It is now more than 40 years since Ottevanger began the development of compact pre-assembled installations for a variety of different processes.

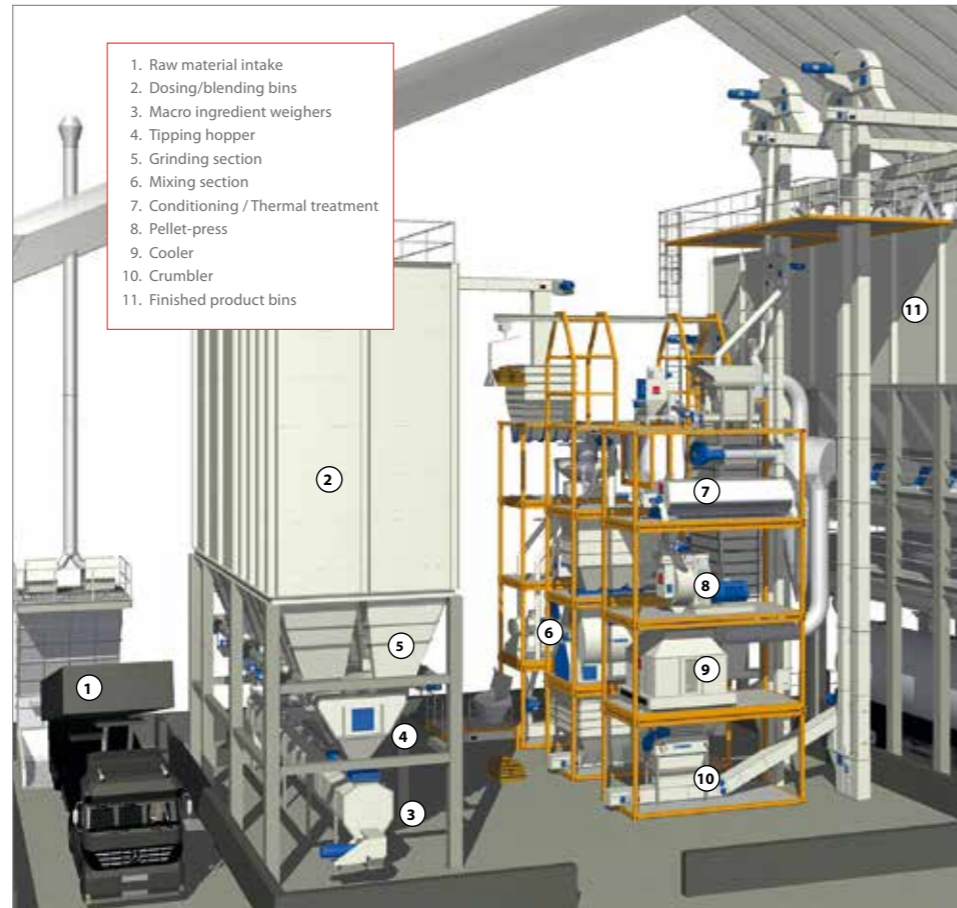
These modular installations are based on standard 20ft containers that can be easily transported over land or sea, and installed very quickly.

These containerised mills are available as:

- » Feed mills with capacities of up to 40 tons per hour
- » Cereal processing plants (e.g. for flour and soya)
- » Individual pelleting lines
- » Premix and concentrate plants
- » Aqua feed and pet food lines

Benefits

- » All standard components are assembled and tested before shipping
- » Minimum on-site installation time
- » Low shipping costs and easy handling
- » Complete with supporting steel structures
- » Low height means savings on building and energy costs
- » Easily dismantled when necessary
- » Proven concept with many satisfied customers

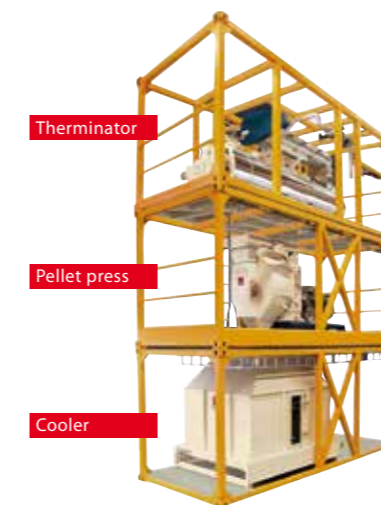


Total flexibility: Due to its compact and modular design many layout configurations are possible.

type	mash	pellets	batchsize kg
C3	2		500
C3-2	3	2	500
C5	5		500
C5-5	5	5	500
C10	10		1000
C10-5/10	10	5 (2x)	1000
C20	20		2000
C20-10-10/20	20	10 (2x) / 20	2000
C30	30		2000
C30-15-15/20/30	30	15 (2x) / 20 / 30	2000
C40	40-45		3000
C40-20-20/30	40-45	20 (2x)	3000

Modular solutions

These modular systems are a unique concept developed by Ottevanger Milling Engineers. Over a period of 40 years, a complete range of highly efficient modular production lines has been developed and continuously upgraded to fulfill the latest standards in milling technology.



Reduced installation time: the complete containerised mill is pre-assembled and tested before leaving the factory, avoiding the risk of problems during installation on-site, and reducing installation time by between 70 and 80%. The electrical, compressed air and control systems are our responsibility.

Bulk storage and handling systems



Smooth wall modular silos

Rothkötter, Germany | dosing silo | 2.750 m³ | 26 bins



Benefits of Ottevanger storage silos:

- » Optimum product discharge
- » Maximum storage capacity (+25%)
- » No dust build-up between bins
- » Dust-tight for safe and healthy working environment
- » Flexible and customisable
- » Easily extended



STORAGE AND HANDLING

The correct techniques for the handling and storage of the wide range of raw materials used in the feed and food processing industry require specific know-how and expertise.

With more than a century serving the industry, Ottevanger Milling Engineers is in a unique position to apply this experience to the design of every part of your project, guaranteeing you maximum efficiency and reliability while complying with all hygiene and food safety standards.

Ottevanger's conveyor range:

- » bucket elevators
- » screw conveyors
- » chain conveyors
- » flight conveyors
- » belt conveyors
- » pneumatic conveying systems
- » rotary distributors



System Integration

PROCESS CONTROL & AUTOMATION

To achieve operational excellence with high quality Ottevanger-built plant and equipment, you need a high-performance and reliable control system.

Our installations rely on Batch Explorer, an advanced, modular MES automation system developed by our sister company Ineqnion. Batch Explorer is software with an open structure: stable, powerful, and easy customised to meet the specific requirements of each customer.

Powerful and user-friendly

Batch Explorer includes all the features you need to operate in a batch and/or continuous processing environment. Processes are visualised by means of SCADA, developed in Siemens WinCC.

Modular design

Batch Explorer has a modular structure, enabling a customised system configuration to be defined easily. The configuration can be quickly and efficiently modified and/or extended.



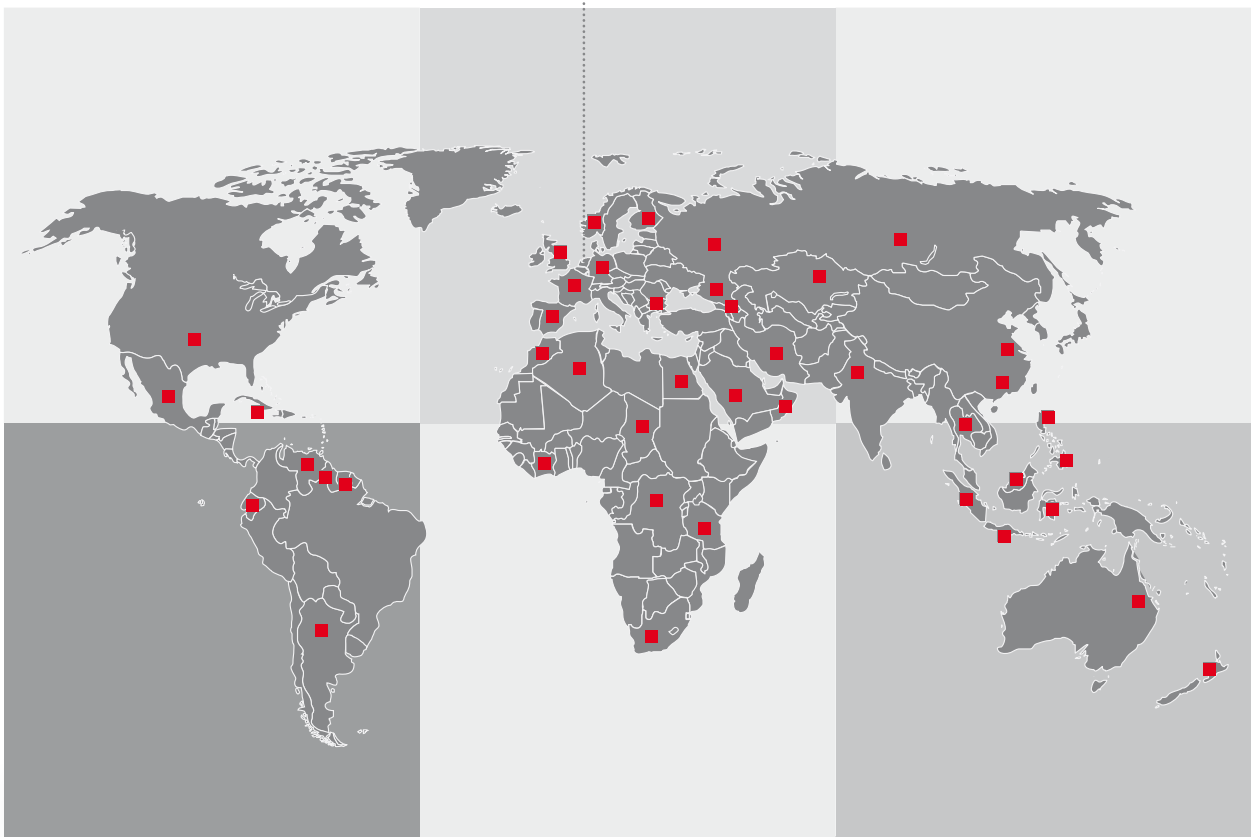
CUSTOMER SUPPORT

Ottevanger Milling Engineers offers after-sales support to its customers around the world. Among our support services, we also offer training for operations staff, either in the Netherlands or on-site.

An efficient system is in place for ordering spare parts, and in urgent cases we will send an engineer to your location. Furthermore, any questions you might have regarding the functioning or operation of your plant and equipment will be quickly answered by a qualified support specialist.



Worldwide references



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