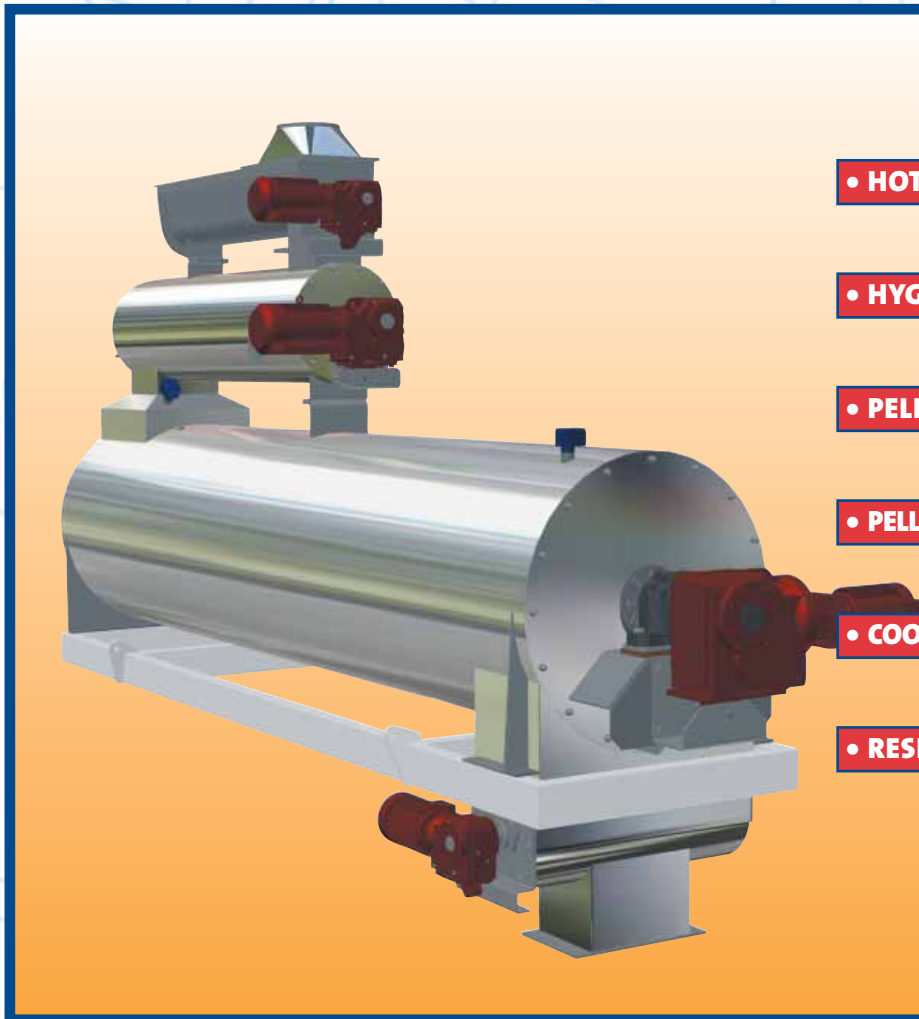




Since 1883

# Heat Treatment



• HOT START MIXER •

• HYGIENISER •

• PELLET MILL •

• PELLET & MEAL COOLER •

• COOLER AIR FILTRATION •

• RESIDUE CLEANING •

## *Clean* **THE CPM ADVANTAGE**

Innovative engineering and design to manufacture equipment which meet the **latest hygiene standards** in feed milling industries. The CPM technology is available for you to comply with food safety demands.



Since 1883

# Your partner

## FOOD GRADE FEED

*CPM Technology for Food safety*

The European Union is driving new standards to ensure a high level of human health and consumer protection. The food safety policy is based on a comprehensive, integrated approach. This means that through out the food chain, from Farm to Table, across all food sectors, food safety must be on your mind. Working within the important Agro-food sector, we accept that the safety of food from animal origin begins with safe animal feed. CPM is introducing specialized equipment for feed milling industries which can help you to meet the highest hygiene standards. With this equipment, we want to give you the culinary, allowing you to handle feed in the same way a chef cook is handling food at your favorite restaurant.



*Emirates Flour & Animal Feed Factory - Abu Dhabi*

The challenge in Feed Milling Industries is to handle many different ingredients at an industrial scale, bearing the food safety in mind. You select the best ingredients to mix the exact required diet for your customers. These ingredients are handled at high capacities by well maintained transporting, weighing



*Microbiological Lab at Pre-Mervo - The Netherlands*

and mixing equipment. CPM will take this well balanced diet and turn it into safe food by providing the precise heat treatment. This means heating the food to the required temperature and providing means to cook the material exactly as long as you need it to cook. The safe food is then shaped into pellets or send directly to our food grade cooler and drier. After cooling and drying, the animal food is transported to your storage where it must be safe guarded from any other contamination sources.

Monitoring a food production process is necessary to provide reassurance to consumers. The feed back provided by food analyses at various critical points in your production process make the difference.

Working food grade equipment requires proper attention to keep the hygiene values up. The equipment must be very easy to handle for exactly that reason. CPM provides special means for efficient cleaning and inspection. All product handling surfaces are actively heated and heat insulated to ensure the equipment stays dry and therefore no residue accumulation occurs. The dry surfaces allow new cleaning techniques after each production batch.

Now lets have a look at the latest CPM food grade equipment available.



# in productivity

## CPM HOT START MIXER

CPM is introducing the Hot Start Mixer as the first step in your heat treatment process. Hot start means, the first product that evacuates the mixer is already heated to the required temperature. The innovation is that this can now be achieved without using any by-pass valves, slides or rotary product locks. This makes it possible to apply a mixer which stays perfectly clean after each production batch.

## CPM FOOD GRADE HYGIENISER

The CPM Hygieniser provides the means to cook the feed exactly as long as you want it to cook. It is here where the mixed ingredients turn into safe food. Special construction details ensure a clean machine after each production batch.



## CPM SIRT RETENTION VESSEL

High capacities require large product holding volumes. The CPM retention vessel type SIRT provides just that to handle your heat treatment capacities up to 50 Tons per Hour. Built to meet the highest hygiene standards, many customers experience the consistent excellent microbiological results daily. It is therefore the system has been certified for grand parent stock food preparation at Europe's known breeding farms.

## CPM PELLET MILL

Pelleting Feed stuffs has specific advantages in the food chain. Pellets can be transported easily, at high densities, keeping the food mixture perfectly intact. CPM is introducing feed handling components which stay dry during production. Any product residue can be therefore be removed easily after each production run.

## CPM PELLET AND MEAL COOLER

The heat treated food is cooled and dried inside our double deck cooler to achieve the required storage temperature and moisture content. Special cooling decks allow pellets and mesh feed handling in the same machine. This makes a single production line suitable for both pellet- and mesh food. The specially designed air intake flange allows an effective connection with our air intake filter. All cooler and cooler aspiration surfaces are heat insulated to ensure a clean air system.

## CPM COOLER AIR FILTRATION

Filtering the cooler intake air by our micro filtering system ensures that the heat treated food is cooled and dried by clean air. The first stage filtering is done by a special bag filter to provide a long service life of the second stage micro filter. The modular filter design allows optimum sizing for your cooler air requirement

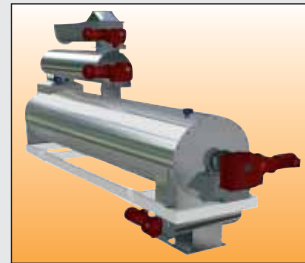
## RESIDUE CLEANING SYSTEM

At the end of each production batch the finest residues are taken away by our automated cleaning system. By redirecting the cooler aspiration system, also the smallest dust particles are removed from the heat-treat equipment.

## FOOD GRADE LUBRICANTS

The CPM equipment is compatible with the newest Food grade lubricants according the USDA-H1 standards. This makes our machines most suitable for your hygienic production process. Our heavy duty design results in a very economical use of food grade grease.

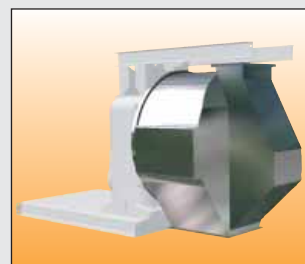
**CPM  
YOUR PARTNER IN HEAT TREATMENT.**



Hot Start Mixer



Sirt Retention Vessel



Clean Pellet Chamber



Pellet & Meal Cooler



Air Intake Filters





Since 1883

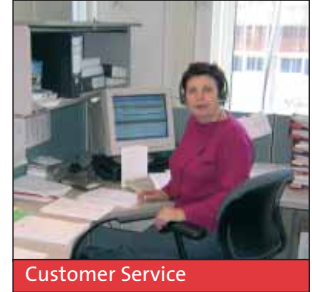
# World Wide



Engineering



Production



Customer Service



Application technology



Service Teams



Sales



Support



Die & Roller Production

CPM offers service through a world wide network of local agents in nearly every country. They get supported directly from the regional headquarters by teams of pelleting technology specialists.

## SALES DEPARTMENTS

Our establishments are staffed with qualified sales, engineering and service personnel and are well stocked with dies, parts and accessories. This ensures prompt efficient processing of all customer service requirements.

## CONTACT

Please feel free to contact your local agent, our offices or our Internet sites [www.cpmeurope.nl](http://www.cpmeurope.nl) or [www.cpmroskamp.com](http://www.cpmroskamp.com)



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■ HIGH PERFORMANCES ■ LOW COST MAINTENANCE ■ MAXIMUM SAFETY