



**World Class Animal  
Feed Solutions**



# animal feed capabilities.

## More than 80 years of experience

The challenges of feed manufacturing and production are complex and demands are always changing, but there are a few things that stay the same. Animal feed operations need rock-solid equipment that can get the job done at the lowest possible cost. Your company has requirements that must be met to maintain the quality you and your customers demand.

You can't compromise with second best. You need outstanding equipment and automation that are as reliable as they are efficient.

Having over half a century in the animal feed industry has taught us a thing or two, like how to design a comprehensive solution based on your unique ingredients and production process. It's why our name carries a reputation for excellence.

## Excellence every step of the way

From start to finish, we have you covered. We have a line of equipment and control systems for grinding, pelleting, flaking, cooling, and weighing that is custom-fit for you.

Our equipment and automation are designed to process your toughest material and meet your strictest production requirements. We guarantee dependability, so you can rely on our machines and controls to get the job done right for years to come.

## Your complete solution

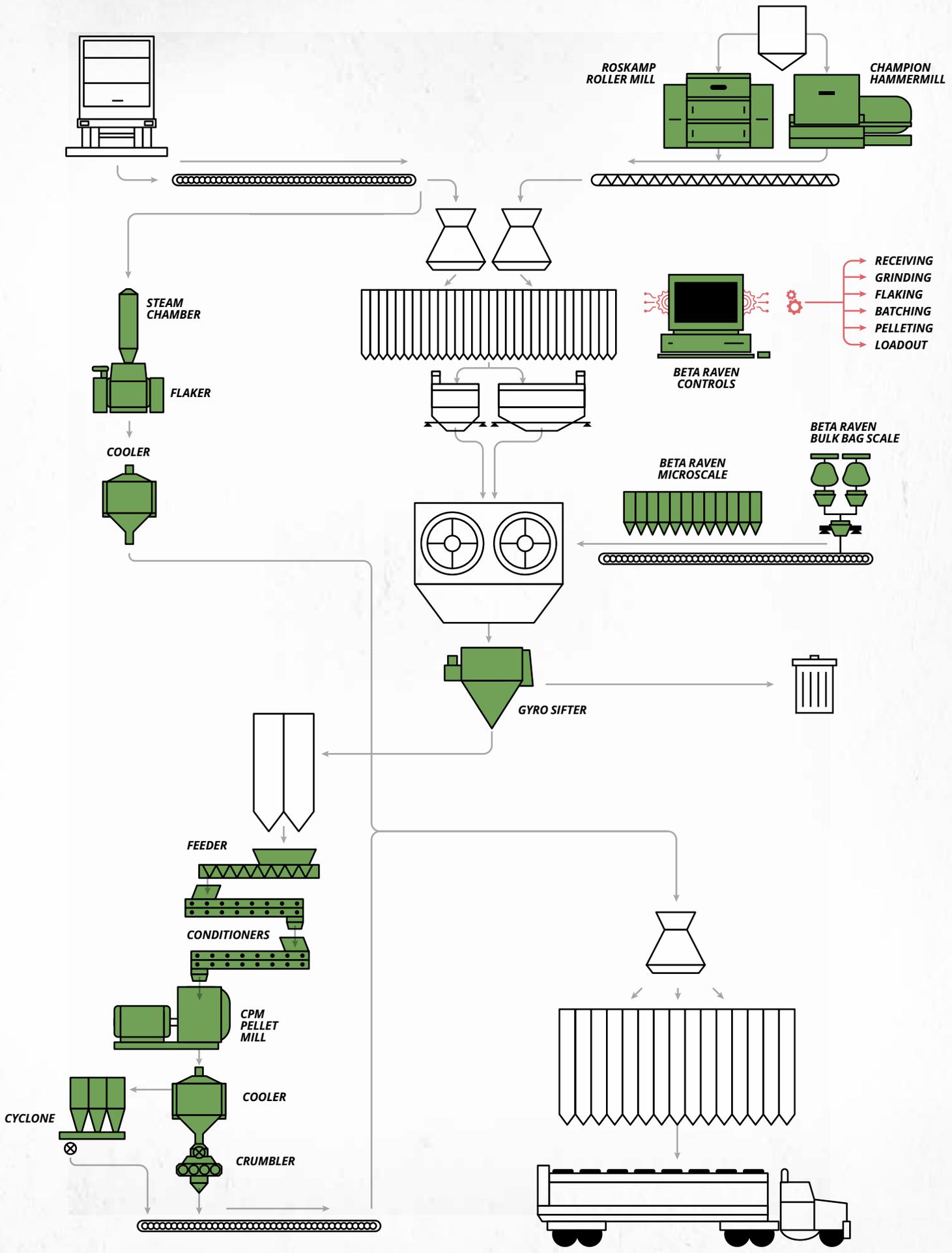
Our equipment meets the demands of almost every conceivable application in the animal feed processing industry with the lowest operating cost solution—backed by the best engineering around.

Our hammermills, pellet mills, coolers, scales, and other lines of machines and automation can handle just about anything you throw at them.

### Capabilities:

- Customized grinding solutions
- Comprehensive pelleting options
- Consistent flaking
- Accurate, high-speed weighing
- Optimal conditioning
- Precise drying and cooling
- Uniform crumbling
- Fully integrated automation
- Product quality protection





# grinding.

## Unrivalled performance and efficiency

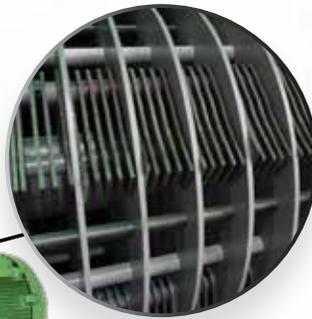
Grinding increases feed efficiency and improves conditioning by creating more surface area for more complete digestion. At CPM, we treat grinding for animal feed as a science, because our customers want the best output at the lowest possible cost.

Our equipment sets the standard in the industry. Our roller mills and hammermills grind with precision and are guaranteed for round-the-clock performance in even the most demanding grinding applications.



## Hammermills

Champion hammermills are designed to meet almost any particle size reduction need and are capable of fine-grinding anything you throw at it, whether your materials are friable, fibrous, dry, or high-moisture. These rugged, highly efficient hammermills offer standard features that would be optional elsewhere—like the Trapped Key Interlock System and abrasion-resistant wear liners—for customized size-reduction solutions and total dependability.



*Grind with hammers optimized for performance and longevity.*



## Feeders

Roskamp Champion feeders deliver consistent product flow into your equipment, optimizing efficiency and productivity. Our complete lines are available in a variety of sizes to fit all Champion equipment.



*Pictured clockwise left to right: Air Separator Feeder, Hammermill Rotary Feeder, Variable Screw Feeder.*

## Roller Mills

Roskamp roller mills deliver a consistent, uniform grind for varied applications. Engineered to support your need for energy-efficient, precise particle size control, Roskamp roller mills are built on a strong foundation and equipped with solid rolls for long life and reliability. They're sturdy, easy to operate, and simple to maintain, providing the highest-quality product.



*Reliable rolls built for the most demanding operating conditions.*

## Step grinding

Increasing efficiency is a must in the animal feed industry. By combining our roller mills and hammermills through step grinding, you can minimize the cost of particle-size reduction and produce a more uniform grind. Step grinding boosts energy efficiency and increases the lifespan of your hammers and screens, lowering your consumable parts expenses.

We offer both hammermills and roller mills, which is why we provide an unbiased approach to choosing the right equipment. Our experts will select the best step grinding solution for your unique ingredients and production requirements.





# pelleting.

## Best value, hands down

There's a reason pelleting is so popular. Pellets are proven to work better for animal feed and your bottom line. They're easier to handle, more palatable, and can improve feed efficiency, all while reducing transportation costs.

CPM equipment provides years of reliable service, accuracy, and versatility for high-capacity pelleting applications. Whether you focus on throughput, pellet durability, or both, our pellet mills also offer the greatest efficiency and ease of operation. Whatever pelleting challenge you face, we have the equipment to do the job.

## Pellet Mills

It doesn't matter if it's pounds per hour or tons per hour, you can depend on a CPM pellet mill to meet your toughest requirements. Loaded with features like our proven gear drive train and other options that make your job easier, our pellet mills are built to last.



*Designed to pellet the toughest materials.*

# conditioning.

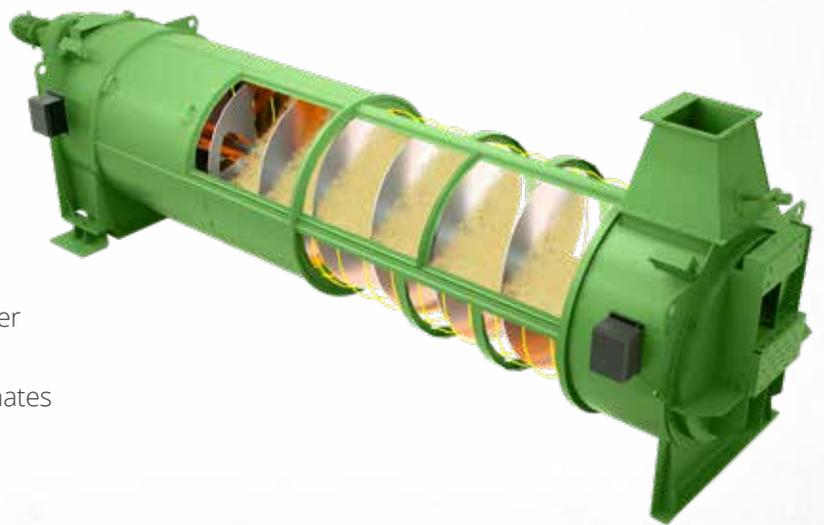
## Conditioners

CPM conditioners are manufactured to provide optimum steam addition and blending of other liquids. Energy-efficient, direct-drive gear reducers provide a clean installation, and the special discharge array provides uniform flow into the pellet mill. Reach your retention time requirements when we help you select the right conditioner.



## Hygieniser

Built with a heated, insulated barrel and flexible temperature and retention times, the CPM Hygieniser is engineered to heat treat your animal feed and improve pellet quality. The Hygieniser virtually eliminates pathogens while consuming very little energy.



# feed cleaners & crumblers.

## Gyro Sifter

The CPM Gyro Sifter/Feed Cleaner protects your downstream equipment and product quality while sifting 50–300 tons per hour. The Gyro Sifter is the modern version of our iconic Whirly Feed Cleaner and incorporates the enhanced features our customers want. The design has been updated to provide easy access for screen changes, and the rotor can be configured with a variety of brushes and wipers.



## Crumblers

CPM pellet crumblers are high-capacity, high-efficiency machines with a heavy-duty design and user-friendly features that ensure years of continuous, reliable operation. CPM pellet crumblers can be configured to match the output requirements of your process. Extensive field experience has proven CPM crumblers can produce continuously, even in the most adverse conditions, so you produce uniform crumbles day after day.



# steam flaking.

## Better feed means better results

In flaking, size matters. Being able to flake grains at a high capacity requires a strong, sturdy machine. From corn to barley to milo to wheat, our equipment and applications expertise make our flaking systems the industry standard. Our steam flaking systems are designed for efficiency and built for performance. The result is accurate, reliable flaking in a mill made to last.

### Flaking Mills

Roskamp flaking mills provide the highest capacity and the most consistent flakes in the industry. Our flakers are engineered to be robust, yet easy to operate and maintain, providing customers with the highest-quality flake. Roskamp mills have advanced features that come standard, including a pin feeder, pneumatic feed gate, and roll end sealing devices. All components in direct contact with product are fabricated with stainless steel. Also, these flaking mills are powered with a single-drive motor for high efficiency and simple operation.

### Steam Chambers

Roskamp Champion steam chambers are designed and sized to fit your steam flaking application. Our unique steam inlet design assures uniform flow and low-velocity, high-volume steam addition. The vertical, inversely tapered design allows for grain expansion, and the smooth, obstruction-free interior allows for uniform conditioning. Available in a wide range of heights and diameters, we offer a solution to meet your space requirements.



# cooling.

## Moisture and temperature control done right

Cooling and drying pellets, flakes, and meal are challenges that require a thorough understanding of environmental conditions. That's why CPM coolers come in a range of sizes with options to meet your specific needs. We offer a number of unique features that provide precise moisture and temperature control.

### Heavy Duty Horizontal Dryer/Cooler

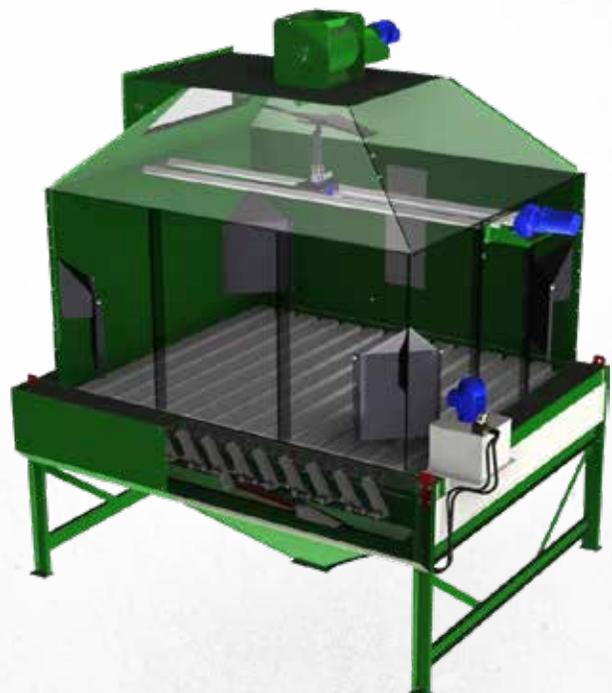
The Heavy-Duty Horizontal Dryer/Cooler (HDHC) is designed for the most demanding drying and cooling applications. Perfect for popular applications, including pellets, meal, flakes, and more, the HDHC offers multiple feeder, plenum, and steam coil configurations. Paired with CPM's expert knowledge of environmental variables for optimal drying and cooling solutions, this machine will provide years of trouble-free operation.



*Moving bed design for efficient drying and cooling.*

### Counterflow Cooler

Simple in design, mechanically trouble-free, and requiring minimal space, CPM Counterflow Coolers provide efficient cooling and moisture control.



# weighing systems.

## Accuracy is a top priority

It doesn't matter if you need to weigh one or 100 pounds; our configurations reduce the risk of cross-contamination. Beta Raven replaces premix and hand-add measuring methods with the most accurate scaling systems available. These systems are engineered to address a variety of batching processes for your most precise weighing requirements and optimize your batching performance.



### MicroScale

MicroScales are broken down into three basic design configurations for your micro ingredients: Rollover Hoppers, Funnel Hoppers, and Compartment Hoppers. Our team can help determine the appropriate scale system solution to optimize your accuracy, capacity, and speed. MicroScale weighing systems are used for accurate weighing of micro ingredients into your batching system.



### Bulk Bag MinorScale

Our two available configurations—traditional and linear—offer accuracy, volumetric capacity, and speed. These scales use bulk bags that are supported over the scale on removable frames. Bulk Bag MinorScale weighing systems provide accurate weighing of minor ingredients into your batching system.



### Loss-in-Weight Scale

Loss-in-Weight Scales provide continuous inventory monitoring, high-speed weighing with a multiple VFD option, and accurate weighing of micro ingredients into your batching system. The typical Loss-in-Weight Scale installation calls for daily usages under 500 pounds and cycle draws between one and 20 pounds.



# controls & automation.

## Innovative, robust technology

The animal feed processing industry has been around for centuries, but it's constantly evolving to become faster and more efficient. The challenges of achieving product quality and a well-managed facility make automation a logical choice for any feed application. For more than four decades, Beta Raven has led the way in cutting-edge development for process automation.

Beta Raven provides a cost-effective way to help you meet the challenges of today's economy by reducing your production overhead. Most users experience increased production, improved quality, reduced labor costs, and fewer mistakes. Our innovative and robust systems set the pace for animal feed by ensuring your feed is processed and handled quickly and accurately.



### MM4 Automation System

The MM4 family of systems automates your operation and ensures your products are handled and created quickly and accurately.

### MM4 Receiving

MM4 Receiving collects important information about your ingredient shipments and makes certain they are routed to the correct bin or warehouse location.

### MM4 Grinding

MM4 Grinding will draw a whole ingredient from its bin(s), grind it, and route it to the correct ground ingredient bins, all with little or no attention from an operator.

### MM4 Batching

MM4 Batching will automatically and accurately integrate scaled ingredients, hand adds, and metered liquids to produce a precisely mixed batch of mash and route it to the correct bins.

### MM4 Pelleting

MM4 Pelleting automation efficiently controls your pellet mill to maximize productivity and prevent downtime.

### MM4 Loadout

MM4 Loadout will quickly and accurately load your trucks, generating a detailed ticket designed to satisfy growers and maximize regulatory compliance.

### MCP Pellet Mill Controller

The MCP Pellet Mill Controller is the ideal, low-cost solution for pelleting control when a database is not needed. The user-friendly interface features a color touchscreen and an optional tablet for wireless remote operation. Users often experience lower labor costs while increasing pellet quality and production.

### Custom Solutions and Integrated Systems

In addition to our line of standard products, Beta Raven has the capability to produce custom controls to meet specific needs. Our team of highly experienced engineers and technicians can design and implement everything from simple temperature control to complex animal feed processing, all with little or no intervention from an operator, making Beta Raven your true automation partner.



# parts & service.

## Massive inventory on hand and ready to go

Our equipment is designed to provide long-term, trouble-free operation, but we have a rule: "If it can wear, it should be replaceable." That's why our customer service experts are always ready to supply you with the right part you need to get up and running. If you have a problem, we'll fix it with the original parts to protect your investment. Our extensive inventory makes for quick delivery and service, keeping your downtime to a minimum when maintenance is needed.

# we're the people who get the job done.

We're dedicated to your success 24 hours a day, 365 days a year. Our experts are always available to keep your equipment running efficiently and smoothly. Remote service access allows our technicians to connect to your system to find and correct any performance issues, eliminating costly service trips.

When you work with our equipment and our people, you're promised rock-solid dependability. All of our superior products are backed by our time-tested commitment to our customers and the best support in the industry.



# world class service, wherever you are.

## A little about us

You can trace our origins all the way back to 1883, deep in California's Napa Valley, where we manufactured presses, crushers, and stemmers for the world's top winemakers. Back then, we were known as Toulouse & Delorieux Co. In 1931, we created our first pellet mill, the 30 HP Flat Bed, and we became California Pellet Mill (CPM).

In the years that followed, we created more pellet mill models with additional features. In the 1980s, we greatly expanded our product offerings through the creation of Roskamp Champion with the acquisition of the Roskamp Roller Mill Company and Champion Hammermills.

Since 2002, we've been continually evolving through the acquisition of Beta Raven, making us the leading supplier of feed mill automation and ingredient scaling systems. This acquisition was followed by Crown Iron Works, SKET, Century Extrusion, Wolverine Proctor, Greenbank Technology, TSA Griddle Systems, and Extricom Extrusion, making us the leading supplier of process equipment.

We take our position as an industry leader seriously. That's why we are constantly striving to provide solutions that streamline and grow business in the animal feed industry.

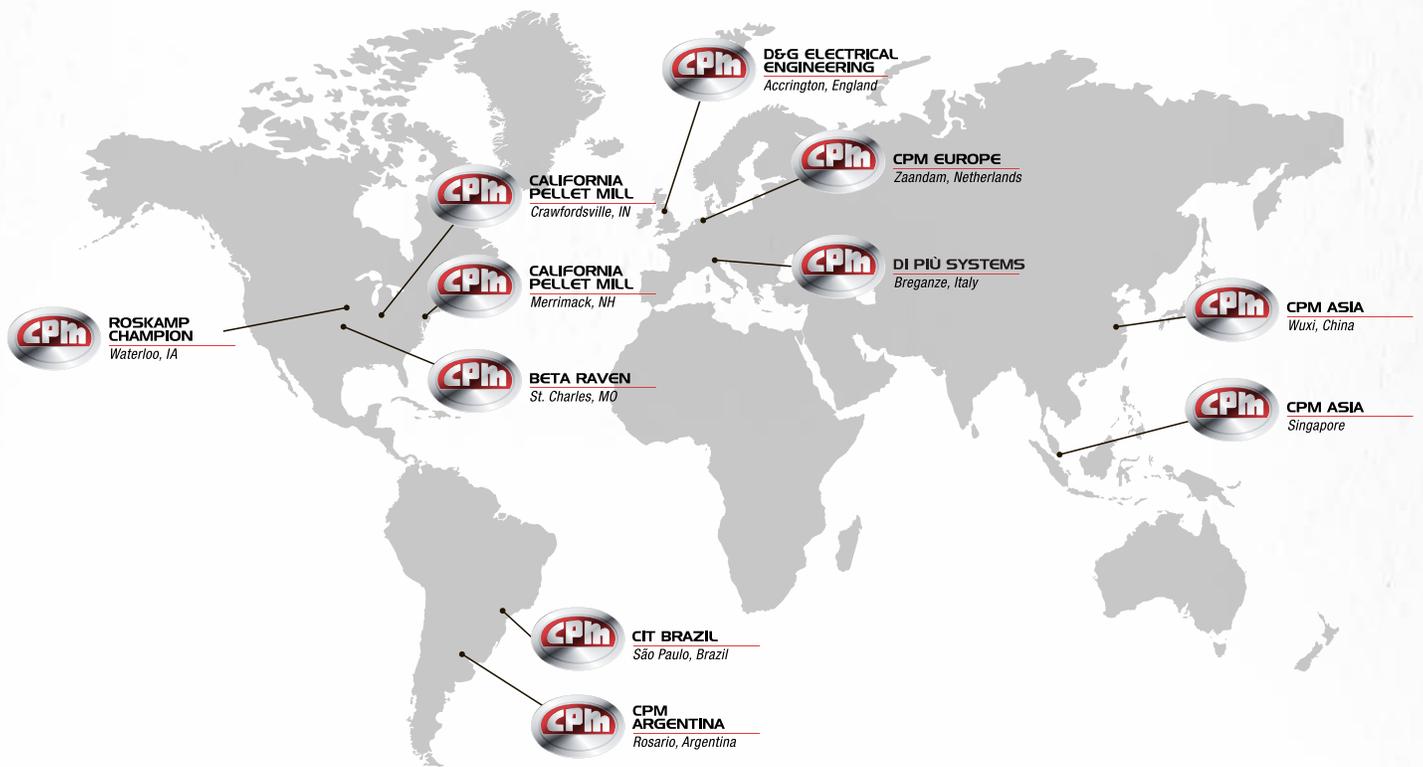
When you work with us, you'll get superior products and excellent customer service. Our equipment and our attention will always be there for you, keeping your company running. That's the CPM advantage.

## We're everywhere

You'll find over 25 CPM facilities in operation around the globe. We sell and service equipment in Europe, Asia, Latin America, North America, and other parts of the world. Our company is the leading supplier of process equipment in the animal feed industry.

## Doing everything

We offer top-notch customer and sales support through a network of local agents in nearly every country. Because we have facilities on four continents, you have access to our world class machinery and service wherever you operate.



## CPM global family

### CALIFORNIA PELLET MILL

765-362-2600 | [cpm.net](http://cpm.net)

### CROWN IRON WORKS

651-639-8900 | [crowniron.com](http://crowniron.com)

### CPM SKET

49-391-68-2249 | [cpm-sket.net](http://cpm-sket.net)

### TSA GRIDDLE SYSTEMS

972-243-8070 | [griddlesystems.com](http://griddlesystems.com)

### ROSKAMP CHAMPION

319-232-8444 | [cpm.net](http://cpm.net)

### CENTURY EXTRUSION

231-947-6400 | [centuryextrusion.com](http://centuryextrusion.com)

### RUIYA EXTRUSION

86-25-52768699 | [njruiya.com](http://njruiya.com)

### CPM GLOBAL BIOMASS

765-362-2600 | [cpm.net](http://cpm.net)

### BETA RAVEN

636-255-1600 | [betaraven.com](http://betaraven.com)

### GREENBANK TECHNOLOGY

44 (0)1254 690 555 | [greenbanktechnology.co.uk](http://greenbanktechnology.co.uk)

### WOLVERINE PROCTOR

215-443-5200 | [wolverineproctor.com](http://wolverineproctor.com)

### EXTRICOM

+49 7133 98170 | [extricom.de](http://extricom.de)



**CALIFORNIA PELLET MILL  
ROSKAMP CHAMPION  
BETA RAVEN**

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*Your Partners in Productivity*

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