



**Process Equipment and
Industrial Applications**



**we're
the
world's
best ...**

We can crack it, dry it, cool it, grind it, break it, flatten it, and pellet it.

You invest a lot of blood, sweat, and tears into every inch of your business, so it stands to reason that, when it comes to the process equipment you choose, quality and efficiency are your top priorities.

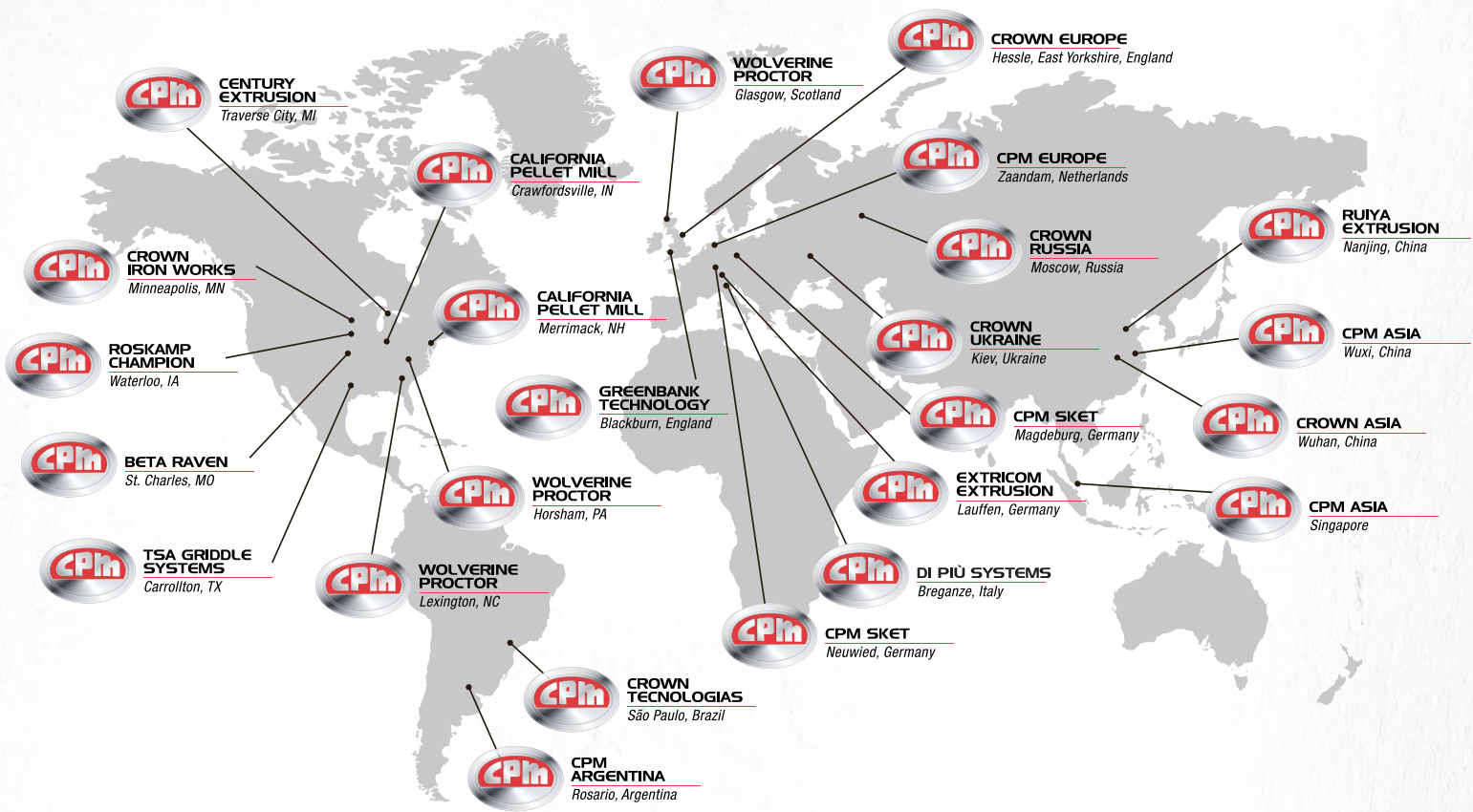
CPM has served the industrial markets for over 80 years. In fact, we're the largest designer and manufacturer of pelleting and grinding equipment in the world.

We offer the complete line of pellet mills, size reduction equipment, conditioning systems, coolers, crumblers, and replacement parts. In fact, all our products meet the demands of virtually every conceivable application in the processing industry, and our name is synonymous with endurance, reliability, and excellence.

With facilities around the globe, we're the world's leading supplier of process equipment to the biomass, ethanol, human consumption, pet food, aquaculture, and hops industries—to name a few.

In fact, we're also the world leader in pelleting, particle size reduction equipment, and automation, and we offer the lowest operating-cost solutions, backed by the best application, engineering, and customer support teams on the planet!

We've worked with just about everything. So you can rest assured, we know your products.



we're everywhere.

CALIFORNIA PELLET MILL

With five locations worldwide, California Pellet Mill is the worldwide leader in process machinery to the animal feed milling industry and other industrial pelleting applications.

765-362-2600 | cpm.net

ROSKAMP CHAMPION

Acquired in 1987 and based in Waterloo, IA, Roskamp Champion is a world leader in particle size reduction equipment and technology for industrial grinding applications, including oilseed preparation.

319-232-8444 | cpm.net

BETA RAVEN

Acquired in 2002 and based in St. Charles, MO, Beta Raven is a leading supplier of automation, controls, and weighing equipment to the feed and bakery industries and all CPM applications.

636-255-1600 | betaraven.com

CENTURY EXTRUSION

Acquired in 2006 and based in Traverse City, MI, Century Extrusion is a leading supplier of twin screw extruder compounding systems and replacement parts for the plastics compounding industry.

231-947-6400 | centuryextrusion.com

CROWN IRONS WORKS

Acquired in 2007 and based in Minneapolis, MN, Crown Iron Works is the world leader in oilseed processing technology and equipment in oilseed preparation, extraction, refining, oleochemical, biodiesel, and specialty extraction.

651-639-8900 | crowniron.com

WOLVERINE PROCTOR

Acquired in 2006 and based in Horsham, PA, and Glasgow, Scotland, Wolverine Proctor is a leader in value-added thermal processing for the cereal and snack food industries.

215-443-5200 | wolverineproctor.com

DI PIÙ SYSTEMS

Acquired in 2017 and based in Breganze, Italy, Di Più is the world's leading supplier of mechanical and hydraulic briquetting technology, including complete line, equipment, and aftermarket support.

39 0445 300709 | di-piu.com



we're doing everything ...

Recycling

Densifying difficult-to-handle RDF and MSW materials is the key to profitable byproduct recycling. At CPM, we have pelleting and grinding equipment with just the right amount of grunt to transform difficult-to-handle materials into uniform pellets with high bulk density.

Food

In food processing, particle size reduction and agglomeration is vital for improved results. With more than 40 years serving the food industries, our machines have worked with every conceivable item on your menu.

Oilseed

Oilseed processing demands cost-effective, high-volume equipment from beginning to end. At CPM, that's what our machines are engineered for. From cracking to flaking to grinding to drying to pelleting, our efficient equipment is built tough to handle even your most rigorous applications.

Equipment designed to meet the unique needs of every industry.

Pet Food & Feed

Quality and digestibility in pet, livestock, and aquatic feed is critical. That's why CPM offers the lowest operating-cost solutions in the world, backed by the industry's best customer service support. Plus, Beta Raven automation solutions give you receiving, grinding, batching, thermal processing, and extrusion control.

Wood/Biomass

Milling, lumber, wood products, and the construction industries produce large volumes of related byproducts that can be easily turned into profits. CPM works extensively with the wood industries by offering equipment designed to meet their unique needs. Small or large, our machines give you the CPM advantage with built-to-last reliability.

Hops

Hops pelleting requires careful attention to temperature, moisture, feed rates, and overall system efficiency. That's why all of our equipment works together to create efficient and highly dependable grinding and pelleting systems suitable for both small- and large-scale hops pelleting operations.



...and more

Ceramics

High-purity, uniform-shaped alumina pellets must be the highest density and smallest size possible, so our equipment is fine-tuned to industry standards. We design solutions for ultra-high-purity thin film applications, such as fuel cells and solar energy layers.

Abrasives

Carbides, nutshells, rice hulls—when it comes to abrasives, we’ve seen it all. Our equipment is your solution to abrasives pelleting and grinding challenges you haven’t thought of yet, with die and parts materials made with the highest quality to resist breakage, corrosion, and wear.

Chemicals

In chemicals processing, pelleting, and grinding operations, you need equipment that produces cost-effective, precisely weighted and engineered chemical pellets and powders. CPM solutions are designed with chemical-specific applications in mind. We’ll work with you to make sure you get exactly the right solution for your needs.

We have a solution for just about every processing challenge.

Minerals

Whether large pieces or pulverized dust, pelletized and ground minerals are vital to the agriculture, metal, and biofuels industries. CPM has the toughest machines in the world that just keep running—no matter what mineral types you throw at them. Our equipment is built for around-the-clock production.

Ethanol

Ethanol production is at the pinnacle of value-added processing. Fossil energy reduction means cost-effective production. This is why our equipment is the standard in the dry-grind ethanol industry. Our years of ethanol application expertise is unparalleled, ensuring you get the most efficient grinding and pelleting systems available today.

... and everything else

CPM knows your products: from almond hulls to zinc oxide, paper to plastics, crab shells to pecan shells—we’ve worked with just about everything. We’ll take your waste stream materials and turn them into profits. We know this business so well, we have a solution for just about every processing challenge.

Lump Breakers & Crushers

High capacity, coarse and pre-grinding

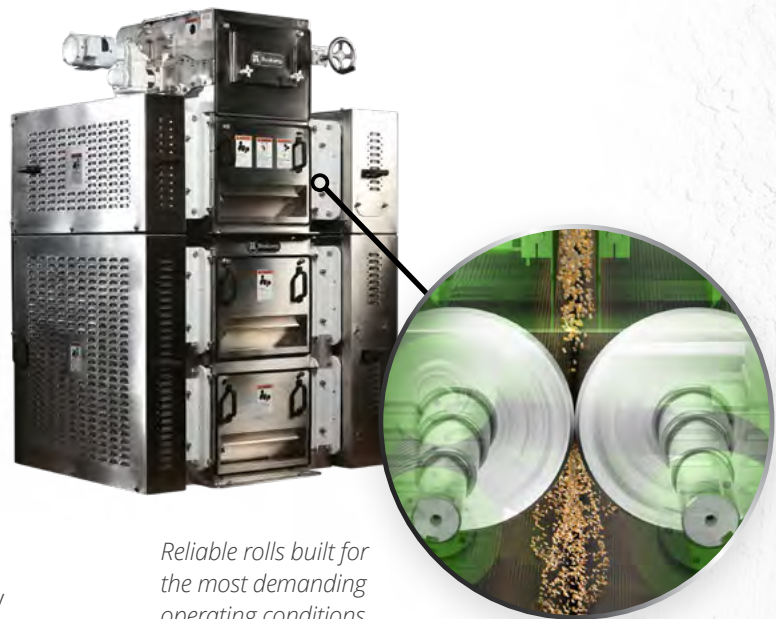
Built to handle a wide range of materials for the most demanding applications, CPM Roskamp Champion lump breakers, crushers, and shredders are used for coarse size reduction, reducing both compacted materials and lumps that occur during production, storage, or transportation, as well as large pieces that require pre-processing prior to further size reduction. Our team can help you select the lump breaker, crusher, or shredder that is right for your operation and application.



Roll Crushers

Consistent, uniform grind

Roskamp Champion roll crushers deliver a consistent, uniform grind for varied applications. Engineered for precise particle size control, Roskamp Champion-supplied roller mills and crushers are built strong, with a robust construction for guaranteed, round-the-clock performance. Equipped with high-strength alloy steel rolls for long life and reliability, roll diameters up to 16" and roll lengths up to 84", our machines are designed for the most demanding crushing applications. With a variety of options, including auto feeder and roll gap adjustment capability, they get the job done and are backed by the best applications support in the industry.



Reliable rolls built for the most demanding operating conditions.

Flaking Mills

Highest capacity, consistent quality, reliable operation

Roskamp flaking mills utilize the highest-quality chilled iron or indefinite chill roll materials providing the best performance and long roll life. Provided with roll or vibratory feeders, HTD main drive, double-row spherical roller bearings, double-sided V-belt inter-roll drive, roll scrapers, and an overall robust design, it ensures high-quality, long and efficient machine life for the most consistent flake thickness in the industry. Flaking roll pressure is applied with hydraulic cylinders on all large machines. Hydraulic roll closure is available on the smaller machines.



Feeders

Wide variety of feeding configurations

Roskamp Champion feeders ensure consistent product flow to your equipment, optimizing efficiency and productivity in grinding and size reduction. Our full range of roll, rotary and screw feeders, air separators, and magnet adaptors are available in a host of sizes to fit all Roskamp Champion grinding processes.



Grind with hammers optimized for performance and wear.

Hammermills

Hard, friable and fibrous applications

Our hammermills are designed to meet a broad range of particle-size-reduction needs and are capable of fine-grinding friable, hard, and fibrous materials. Our fine grind option package and the highest hammer tip speeds in the industry enable finer grinds at higher rates and improved energy efficiencies than others can provide. These rugged, highly efficient hammermills offer standard and optional features for custom grinding and size-reduction solutions and total dependability. On top of offering outstanding ease of operation and maintenance, our hammermills are backed by our world-class service and support.



Feeders & Conditioners

Superior feeding configurations

CPM feeders are designed to handle your material's density and flow requirements.

CPM conditioners are manufactured to provide optimum mixing and conditioning for steam and other liquids. Energy-efficient, direct-drive gear reducers provide a clean installation, and the special discharge array provides uniform flow into the pellet mill. Let the CPM team help you select the right conditioner to reach your retention time requirements.



Designed to pellet the toughest materials.

Pellet Mills

Pounds or tons per hour

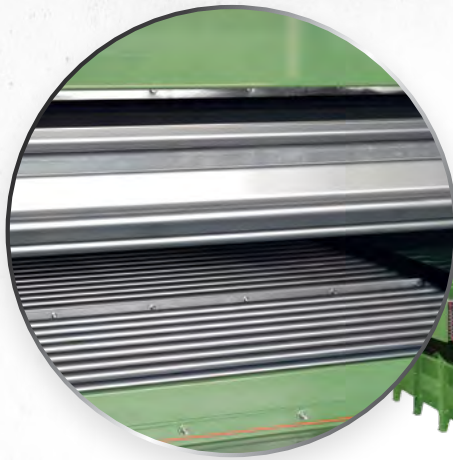
Whether it's pounds per hour or tons per hour, you can depend on a CPM pellet mill to meet your toughest requirements. Loaded with features like our proven gear drive train and other details that make your job easier, our pellet mills are built to perfection. On top of the greatest cost-efficiency and ease of operation, our service and support teams are the best in the industry.

Pellet Crumblers

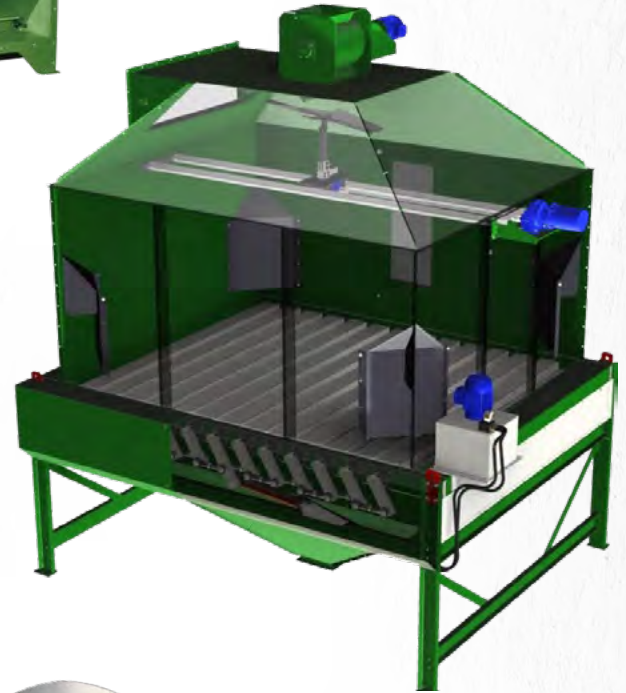
Continuous operation

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 range from 10 to 40 tons per hour and can be constructed to match the output requirements of any process. Extensive field research has proved CPM crumblers can produce continuously even output, even under the most adverse conditions.





Moving bed design for efficient drying and cooling.



Coolers

Optimal drying and cooling

We know optimal drying and cooling solutions depend upon many environmental variables. That's why CPM coolers come in a range of widths and lengths with options to meet your specific cooling needs. Designed with minimal floor space in mind, we have your go-to cooling solution that gives you ease of operation—backed by the best service and support teams in the world.

Parts & Service

There when you need us

Because all of our machinery is built “CPM genuine” in our own factory, we have every part for every machine we make on hand—because when you do require preventative maintenance or repair, you need to know that the parts you need are readily available, so your downtime will be at the minimum. Plus, our customer service experts are always on hand to keep your equipment running efficiently and smoothly.



**To see our full line of equipment,
visit us at CPM.net.**



CHAMPION



Test Center

Put it to the test

Our state-of-the-art test center has the full line of process equipment—in place and operational. If you need to know if your product can be processed, let us evaluate it for you. We'll take a small sample of your material and put it through its paces. After your product samples have been generated, you'll receive a detailed viability report and recommendations from our applications engineers and test center technicians. This data information report will help us select the right equipment to meet your needs.

Our test facility and experts can help you grind, crush, crumble, break, flake, hull, hammer, shred, cool, pellet, or condition just about anything—so put us to the test.

Talk to your CPM specialist or visit our website for more information.



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1-800-366-2563 | cpm.net



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