The name you know, experience you trust



(580) 749-4895 | www.csebliss.com 1415 W. Summit Ave Ponca City, Oklahoma 74602

Hammer Mills for Even the Most Demanding Applications

CSE Bliss industrial hammer mills are designed for superior performance, that lasts in even for the most demanding applications. Our rugged construction and flexible configurations promise the perfect grind, every time, for any application.

CSE Bliss Hammer mills are built on over 40 of experience along with engineered customer suggestions that you can only get from being in the industry. CSE offers hammer mills in a variety of sizes, which allows us to meet any size reduction needs. CSE Bliss mills are crafted for heavy duty, precision grinding.

With extensive size reduction experience in the wood, agriculture, biofuel, feed and pet food industries, CSE Bliss mills offer the precision, reliability and ease of operation you need, along with industry-leading support.



Key Features:

Housings:

- The housings are made of heavy duty 3/8" 1" A36 steel plate
- Reduced noise level
- The housings are made to remove the rotor from the side without removing bearings from the shaft.

Doors:

- CSE Bliss hammer mills have doors that slide out of the way with ease.
- Full access to the grinding chamber
- Made from 3/8" thick A-36 plate

Bearings:

• CSE Bliss hammer mills come standard with Dodge Imperial Bearings. These bearings are two pieces that house a spherical roller bearing with a taper lock to secure the bearing to the shaft.

Internal Wear Parts:

• CSE Bliss has easily replaceable wear plates to assure protection of the housing to give the hammer mill a longer life.

Rotors:

- Rotors are machined and balanced with spanner nuts.
- Rotors are precision balanced and tested with the hammer mill at operating speed to break the bearings in and assure the vibration is in tolerance. This insures a problem free startup.

Spring Loaded Screen Carriages:

- Laser cut for a precision fit to the wear plate.
- Made to last longer and hold shape.

Options:

- Auto directional gate.
- Vibration switch.
- Door safety interlock switches.
- Rubber vibration isolation pads.

HP Hammer Mills for Superior Pet Food

For pet food processors, CSE Bliss understands that efficiency and performance are key to the production process. The CSE Bliss HP Hammer Mill was specifically designed to deliver optimum performance for a variety of pet food rations.

CSE Bliss HP full circle Hammer mills have a tighter hammer to screen clearance for increased capacity and throughput with the same horse power and footprint of traditional full circle mills. This means higher efficiency and a finer grind for the finished product. With multiple diets in today's pet food market, CSE Bliss can meet your particle size specifications and production rates with units available from 15 to 500 horsepower.

CSE Bliss Hammer mills are built on over 40 of experience along with engineered customer suggestions that you can only get from being directly in the industry. CSE offers hammer mills in a variety of sizes, which allows us to meet any size reduction needs that our customers may have.

With extensive size reduction experience in the wood, agriculture, biofuel, feed and pet food industries, CSE Bliss mills offer the precision, reliability and ease of operation you need, along with industryleading support



Key Features:

Housings:

• The housings are made to remove the rotor from the side without removing bearings from the shaft.

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Bearings:

• CSE Bliss hammer mills come standard with Dodge Imperial Bearings. These bearings are two pieces that house a spherical roller bearing with a taper lock to secure the bearing to the shaft.

Rotors:

• Precision balanced and tested with the hammer mill at operating speed to break the bearings in, assure the vibration is in tolerance and insuring a problem free startup.

Throughput:

- For grain based milling the HP system improves the throughput anywhere from 8-10% on average.
- For higher fat based milling, the system improves throughput 20% on average.

Hammermill Specifications:

Model	Diameter	RPM	Tip Speed	HP	Screen Area
CSE1912HM	19″	3600	17,907 FPM	15-50	576 SQ/IN
CSE1915HM	19″	3600	17,907 FPM	20-60	720 SQ/IN
CSE2210HM	22″	3600	20,735 FPM	15-50	600 SQ/IN
CSE2215HM	22″	3600	20,735 FPM	30-75	870 SQ/IN
CSE3815HM	38″	1800	17,907 FPM	60-100	1500 SQ/IN
CSE3820HM	38″	1800	17,907 FPM	75-150	2000 SQ/IN
CSE3824HM	38″	1800	17,907 FPM	100-200	2400 SQ/IN
CSE3830HM	38″	1800	17,907 FPM	125-250	3000 SQ/IN
CSE3836HM	38″	1800	17,907 FPM	150-300	3600 SQ/IN
CSE3848HM	38″	1800	17,907 FPM	200-450	4800 SQ/IN
CSE3860HM	38″	1800	17,907 FPM	250-500	5760 SQ/IN
CSE4415HM	44″	1800	20,735 FPM	75-100	1800 SQ/IN
CSE4420HM	44″	1800	20,735 FPM	100-200	2400 SQ/IN
CSE4424HM	44″	1800	20,735 FPM	125-250	2880 SQ/IN
CSE4430HM	44″	1800	20,735 FPM	150-300	3600 SQ/IN
CSE4436HM	44″	1800	20,735 FPM	200-350	4320 SQ/IN
CSE4448HM	44″	1800	20,735 FPM	250-450	5760 SQ/IN
CSE4460HM	44″	1800	20,735 FPM	300-600	7200 SQ/IN



Pellet Mills for Every Need

Our Yemmak line of pellet mills promise easier and more efficient pellet production. Superior mill construction. Yemmak pellet mills work at the optimum capacity in both small or large facilities, and produce high-quality pellets. These durable machines promise efficiency, reliability, and superior pellet quality.

Yemmak has been developing and producing pellet production machinery for more than half a century. Yemmak pellet mills are ideal for wood and biomass as well as agriculture and pet food pelletizing applications. These mills work at the optimum capacity in both small or large facilities, and produce high-quality pellets, with sustainable, innovative and environment friendly technologies.

Yemmak pellet mills provide high efficiency and effective control of pellet quality, they are designed for flexibility and optimum energy usage.





Key Features:

- High efficiency by making homogenous mixture with steam
- Long retention time
- Easy maintenance and installation

- High amount of molasses, oils or other fluids adding to the mixture
- Suitable for use in existing pellet presses

Rotary Feeders For Consistent Product Flow

CSE Bliss Rotary Feeders are designed to provide a steady, consistent supply of material across the full inlet of the hammer mill. This helps to achieve the hammer mill's full grinding capabilities. The rotary feeders feature a VFD to allow for adjustments of the feed rate to the hammer mill. Designed to reduce down-time, The CSE rotary feeder has sloped inlets that allow air to flow directly into the hammer mill. The housing is made from ¼" steel, and the inside that connects with the product is made of 3/8" steel. The 3/8" travels along the full circumference of the rotor, making all product contact areas last 2-3 times longer.

The CSE Feeder comes with a built-in magnet protection system. This system comes in two options a manual clamp unit or an auto self-clean unit. The built-in magnet protection system allows us to build the feeder to directly replace any other feeder on the market. The CSE Feeder comes with Dodge bearings and Sumitomo gear drives. We can offer TEFC or TEXP motors.





Key Features:

- Heavy Duty Magnet Protection
- Sloped Air Inlets (to prevent product build up)
- 3/8 inch Thick Steel Product Contact Surface
- Auto Magnet Cleaning

Optional Features

- VFD
- Micro Switch to Indicate Magnet Open
- Heavy Duty Magnet
- High Intensity Magnet
- Rare Earth Magnet
- Explosion Proof Motor
- Welded Steel Pocket Rotor

Counter Flow Pellet Coolers for Efficient Cooling

CSE Bliss pellet coolers are designed to slowly cool materials to within 10 degrees of ambient air, helping to ensure a high quality and stable product and reducing the chance of partially cooled, or "case hardened" products.

Counter flow cooling technology is proven to be the most efficient way to use ambient air to cool products during the production process. Counter Flow cooling technology can be used for a variety of products including, Livestock feed pellets, pet food kibble, soy cake, and other pressed/form products.



Key Features:

- Round design allows the most efficient use of air flow that minimizes CFM requirements
- Stainless Steel Construction is standard on the bin walls and top, optional on the floor.
- Floor design allows efficient air flow for an even cooling affect throughout the entire bed of material, reducing the chance of "hot spots"
- The louver discharge provides gentle flow of product to reduce the chance of creating fines

- Low maintenance and trouble free performance over many years
- Multiple sizes available for a range of products and production rates
- Volumes ranging from 34 cubic feet to 880 cubic feet of holding capacity
- Production Rates ranging from 5 TPH to 100 TPH



CSE Bliss is a proud member of the Bengal Machine Family of Equipment Manufacturers



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