Roskamp 1200/1400/1600/2000
Cracking Mills

For oilseeds that need to be reduced in size, CPM offers Roskamp Cracking Mills, the market's most efficient and robust cracking mills. Our high-capacity cracking mills can process up to 2,500 metric tons of soybeans per day and beyond—no problem.

guarantees maximum performance around the clock

ONECPM.COM
INFO@CPM.NET

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You depend on output to be accurate, consistent, and predictable

We build our cracking mills with that end in mind, scrutinizing every detail, down to each jack screw, load-centering bearing support, and roll seal. We don't cut corners … anywhere.

Rolls are cast from the highest quality, straight carbon, clear chill cast iron—then machined and ground to the highest possible technical standards. Large-diameter shafts are high-strength alloy steel.

Both the roll bodies and shafts are precision-machined to ensure concentricity. Plus, roll corrugation and speed differential ratios are available to match any operating conditions.

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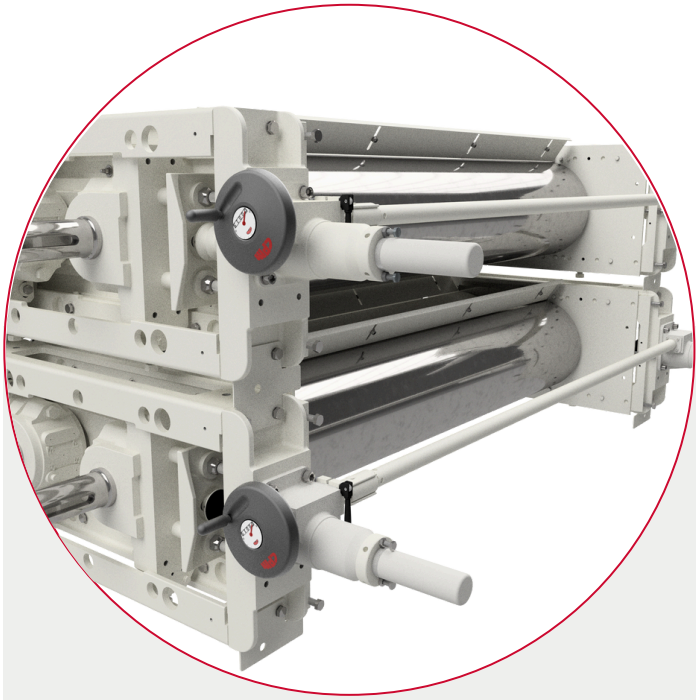

Bearings, housings, and bearing supports

The best possible roll life—hands dow

With self-aligning, spherical roller bearings—as well as a tapered bearing bore with adapter sleeve—you get a positive-locking fit with the shaft, which prevents fretting. All of our bearing lube ports are identifiable and easily accessed for scheduled maintenance with minimal fuss. Plus, bearing housings and bearing supports ensure positive roll tram for positive particle size control.

One-point roll adjustment? You bet

Our unique single-point roll adjustment is made by machine jack screws. This means that the rolls remain parallel throughout the adjustment range. Plus, the positive roll stop offers maximum protection against roll-to-roll contact.

Ease of use? Check

V-belt inter-roll drives help reduce sound for a smoother, quieter operation. Belt tension can be adjusted without removing the guard, making it faster to access and easier to maintain. And, the heavy-duty idler arrangement keeps belts positively tensioned.

Count on around-the-clock reliability

Traction. Power. Alignment. The main drive (motor to rolls) is a 5V section V-belt design that's well-suited for 24/7 production in the food industry. A separate motor base arrangement is designed to accept multiple standard motor frames, giving you options, too.

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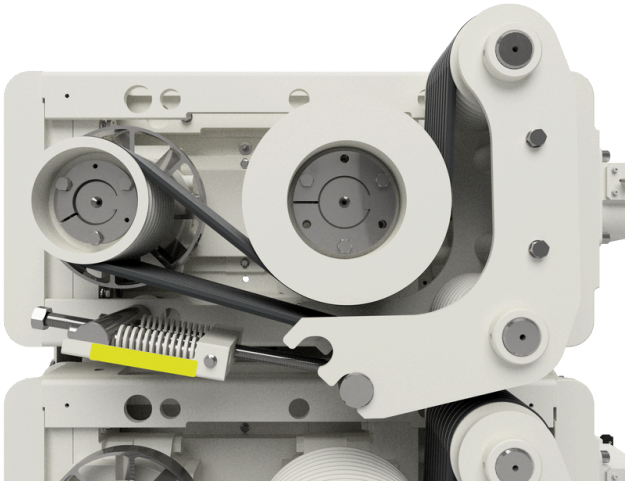

Cracking roll protection

Heavy-duty permanent magnets remove tramp iron from the product stream. Magnets swing out of the feeder housing for ease of cleaning.

Precise control

The roll feeder has a separate drive and is combined with an adjustable feed gate, giving you more precise feed rate control. The feed gate can be manually, air, or electrically actuated.

Easy adaptability

A volumetric rotary pocket feeder with separate drive is available as an alternative to a roll feeder. This allows flow-rate control and positive shutoff through the use of a variable frequency drive. The pocket feeder can easily be adapted to automated load control.

Robust design gives you the optimal platform for any oilseed application

Robust design is a key element in the overall signature strength and stability of Roskamp Cracking Mills, and helps to control product variation. Front and rear cast and machined pressure members—with interlocking tension members—contain the roll-separating forces. Rolls are fixed into position with machine jack screws and engineered spring stacks, yet open to bypass uncrushable materials to protect rolls and shafts.

CRACKING MILL CAPACITY		
Model	**Roll Surface Area in² (m²)**	**Soybean Capacity (MTD)**
1200-52	1,960 (1.264)	750
1200-72	2,714 (1.751)	1,000
1400-72	3,166 2.042)	1,250
1600-52	2,613 (1.685)	1,000
1600-72	3,619 (2.334)	1,350
1600-84	4,222 (2.723)	1,550
2000-84	5,278 (3.405)	2,500

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MODELS AND DESCRIPTIONS

CPM Model	HP Range	Height x Width x Depth in (mm)	Approx. Weight in lbs (kgs)
SSPX1200-52	40-50	46.00 x 96.50 x 88.0 (1,200 x 2,500 x 2,300)	8,700 (3,950)
SPX1200-72	50-60	46.00 x 116.50 x 88.0 (1,200 x 3,000 x 2300)	9,500 (4,310)
SPHX1400-72	60-75	46.00 x 117.88 x 96.00 (1,200 x 3,000 x 2,500)	10,500 (4,770)
SPHX1600-52	50-60	46.00 x 97.63 x 96.00 (1,200 x 2,500 x 2,500)	10,000 (4,540)
SPHX1600-72	60-75	46.00 x 117.88 x 96.00 (1,200 x 3,000, 2,500)	11,000 (4,990)
SPHX1600-84	60-75	46.00 x 129.63 x 96.00 (1,200 x 3,300 x 2,500)	12,100 (5,490)
SPSD2000-84	100-125	56.75 x 130.39 x 106.00 (1,441 x 3,312 x 2692)	18,200 (8,255)
DPX1200-52	75-100	70.00 x 96.50 x 88.00 (1,800 x 2,500 x 2,300)	14,400 (6,540)
DPX1200-72	100-125	70.00 x 116.50 x 88.00 (1,800 x 3,000 x 2,300)	17,000 (7,720)
DPHX1400-72	125-150	70.00 x 117.88 x 96.00 (1,800 x 3,000 x 2,500)	21,000 (9,530)
DPHX1600-52	100-125	70.00 x 97.63 x 96.00 (1,800 x 2,500 x 2,500)	19,500 (8,850)
DPHX1600-72	125-150	70.00 x 117.88 x 96.00 (1,800 x 3,000 x 2,5000	23,000 (10,440)
DPHX1600-84	125-150	70.00 x 129.63 x 96.00 (1,800 x 3,300 x 2,500)	25,000 (11,340)
DPSD200-84	200-250	90.00 x 130.39 x 106.00 (2,286 x 3,312 x 2692)	37,750 (17,123)

Quick reference to CPM Model Number System

Using the example Model Number: DPHX1200-52

SP = Single Pair High DP = Double Pair High	X = Lower Horsepower HX = Higher Horsepower SD = Super Duty	1200 = 12 in (305 mm) 1400 = 14 in (356 mm) 1600 = 16 in (406 mm) 2000 = 20 in (508 mm)	52 = Roll Length (in inches)

From the food you eat to the fuels you require, CPM plays an important role in building a better world. Our experienced team and family of trusted brands are working together to make our planet a better place to live.

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