



Corn Cutter

Model SC - 120



Providing maximum product recovery and automatic corn removal from the cob at high speed

General Description

The Model SC-120 Corn Cutter provides maximum product recovery, high throughput, low maintenance and automatic corn removal from the cob at high speeds. Each ear is placed on the feed trough chain, tip end first. The stainless chain moves the ear of corn into the feed rolls. Two sets of feed rolls line the ear of corn up with the cutter head and move the ear into the cutter knives. The cutter knives are automatically opened for cutting by the feed roll gauging system. Kernels fall through the cut corn opening onto the product conveyor while the cob continues on through the head and is discharged to a takeaway conveyor. A water spray is directed into the cut-off corn area to minimize starch build up.

Product Feature

Processor Benefit

Automatic mechanical gauging adjusts the cutter knives to a pre-determined depth of cut

On signal braking action

High speed trough chain - 157' (47.9 m) per minute

Minimum moving parts and one lubrication point

Manual or automatic feeding systems

Exclusive six (6) knife rotary cutting head assembly with specially ground blades

Rugged construction with stainless steel feed trough, roller chain, cutter head housing and guards

Ensures maximum product recovery regardless of variations in the size of individual ears

Quick stop capability provides added operational safety

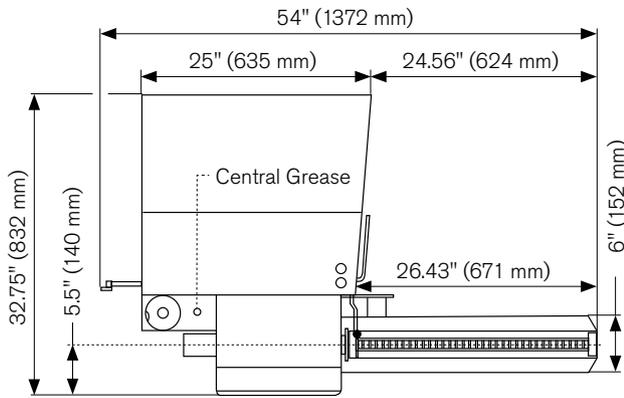
High speed feed increases throughput capacity

Lower maintenance and reduced down time

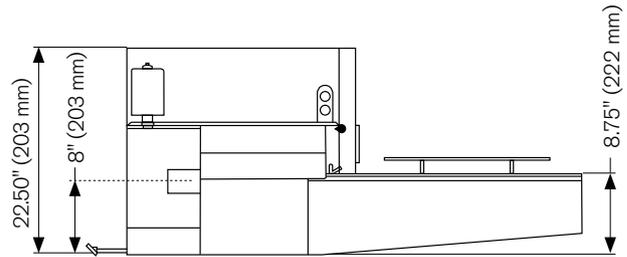
Feed configuration flexibility

Longer run times, reduced down time, easier cleaning and honing of the knives

Long life with easy maintenance and reduced down time



Top View



Front View

Factory re-sharpening

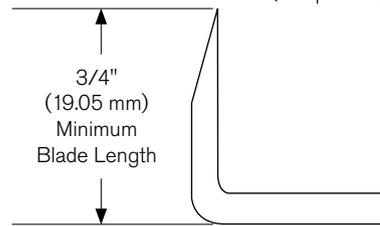
Factory re-sharpening provides maximum wear and improved performance of corn cutting knives. JBT assures maximum cutter efficiency with factory-set angular relationships for each knife cutting edge. Factory specifications are delivered to each blade with state-of-the-art grinding and sharpening equipment that accurately reestablishes all of the proper angles and cutting surfaces to factory specifications. Avoid the poor performance and reduced life span that results when precise angle relationships are lost to in-season wear or non standard resharping. Factory sharpening guarantees optimum performance.

Factory Quality Knife Sharpening

The Factory Quality Sharpening program is simple. If your cutter knives have at least a 3/4" length as illustrated in the diagram to the right, you can call to have your knives resharpened to factory specifications. When cleaned and boxed cutter knives are sent in before November 3, JBT guarantees delivery of your refurbished knives by January 15.

TECHNICAL SPECIFICATIONS	
LENGTH	54" (1372 mm)
WIDTH	32.75" (832 mm)
HEIGHT	22.5" (572 mm)
CORN DISCHARGE OPENING	Even with base, 4.62"x 7.56" (117 mm x 192 mm)
COB DISCHARGE HEIGHT	8.25" (206 mm)
DRIVE MOTOR	3 hp (2.25 kW)
CAPACITY	60 to 90 ears per minute (hand fed)
WEIGHT APPROX.	500 lbs. (225 kg)

(All specifications are approximate)



COUNT ON JBT TO HELP PROTECT YOUR INVESTMENT

JBT's greatest value in PRoCARE® services comes from preventing unexpected costs through smart, purposeful, and timely maintenance based on unmatched knowledge and expertise. PRoCARE service packages are offered as a maintenance agreement in various service levels, depending on your production and cost management requirements.



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