

The three Carter Precision Grader models described in this bulletin offer capacities to meet any sizing and separating requirement. Different combinations and multiple assemblies of these models give you the world's widest selection of machines for accurate, uniform, width and thickness sizing for materials such as corn, shelled peanuts, catalyst pellets, barley, rice, and similar free-flowing granular materials.

MODELS NO. 2, 4 & 6

CARTER PRECISION GRADERS

PARTIAL LIST OF PRODUCTS/MATERIALS SIZED BY CARTER PRECISION GRADERS

BARLEY
WHEAT
OATS
HYBRID SEED CORN
RICE
PEANUTS
SOYBEANS
CATALYST PELLETS
SEED
PLASTIC PELLETS

And Other Similar
Free-Flowing Materials



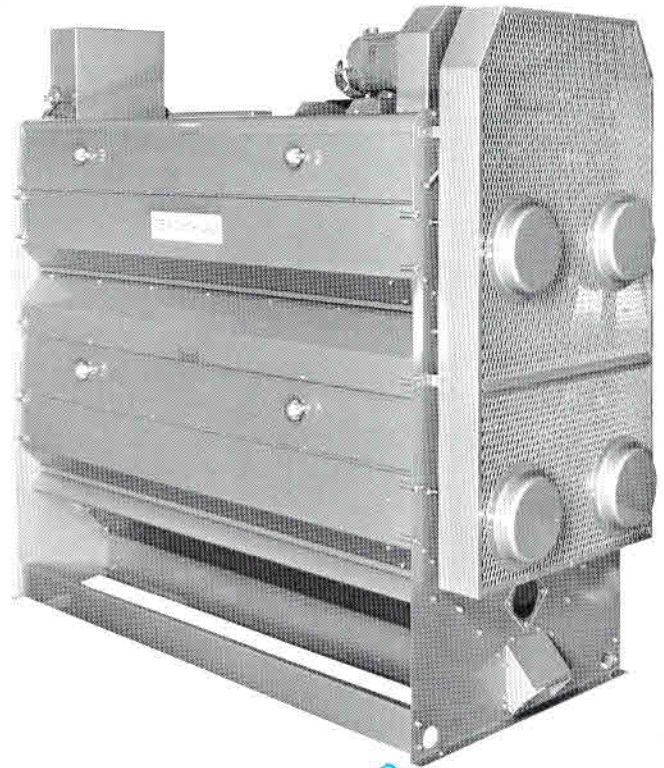
CEA • Carter-Day



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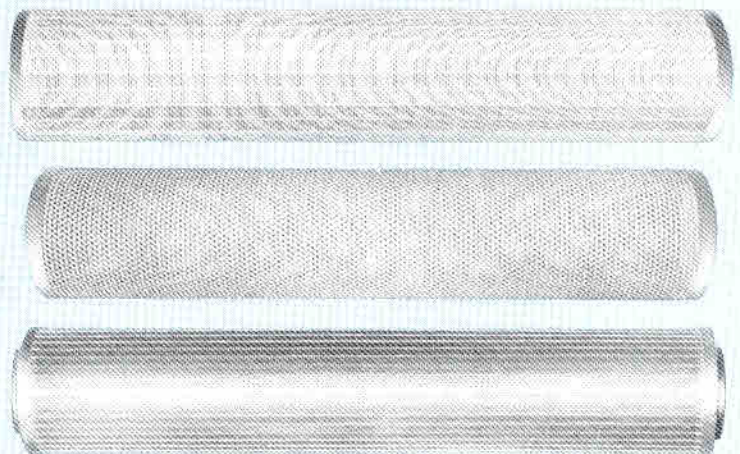
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No. 6 Precision Grader
View shows feed end with "gravity feeder."
Feeder is recommended when free-flowing material being processed has a constant, steady feed or flow rate.



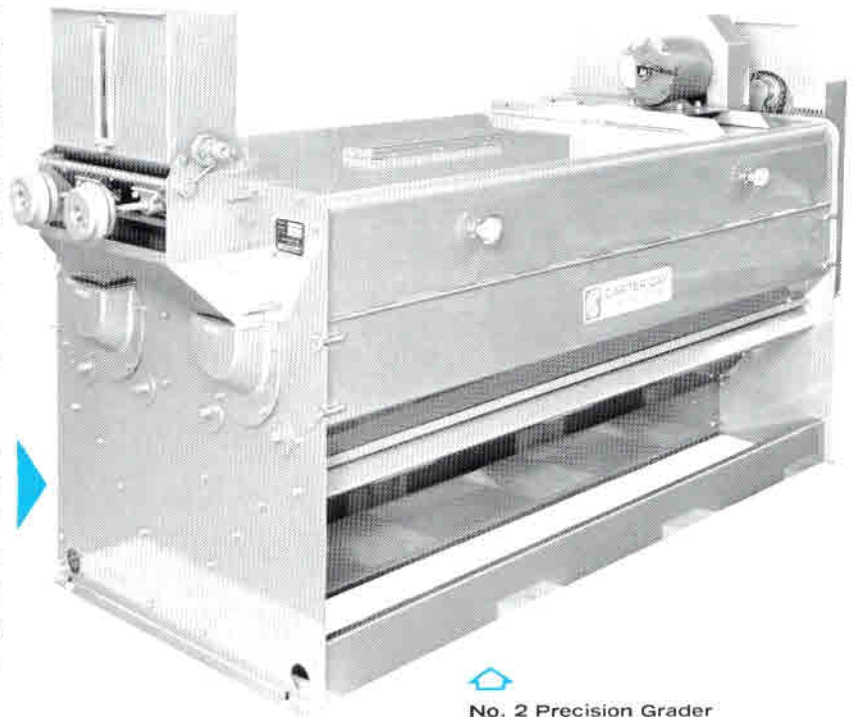
No. 4 Precision Grader
View shows discharge end. Spout at bottom carries "overs" rejected by perforated cylinders.

Cylinders of all types and sizes of perforations can now be used in the No. 2, No. 4 and No. 6 Carter Precision Graders. 95 different apertures are available in three types: (1) slotted perforations, (2) round recessed perforations, (3) the small round perforations in ribbed cylinders. Cylinder perforations are kept open at all times by a soft revolving five bladed rubber cleaner mounted on top of each rotating shell. "Oversize" material wedged in perforations are gently tapped, allowing them to drop back into material mass. All cylinder shells are case hardened by exclusive cyanide treatment to assure maximum life.



The No. 4 and No. 6 Carter Precision Graders are an advanced design, built for high capacity and top performance requirements. The ability of these machines to receive all types and sizes of cylinder shells makes them extremely practical for wide applications. Smooth, simple operation is a feature of all Carter Precision Graders. The input of material to the 4 or 6 cylinders is equal. (Available only in parallel flow). Cylinder blade lifters, or baffle plates within these cylinders gently lift or convey the material, properly presenting it to the perforations. "Overs" passed along the cylinder perforations are discharged at the opposite end. "Throughs" are hopped at the bottom of the machine.

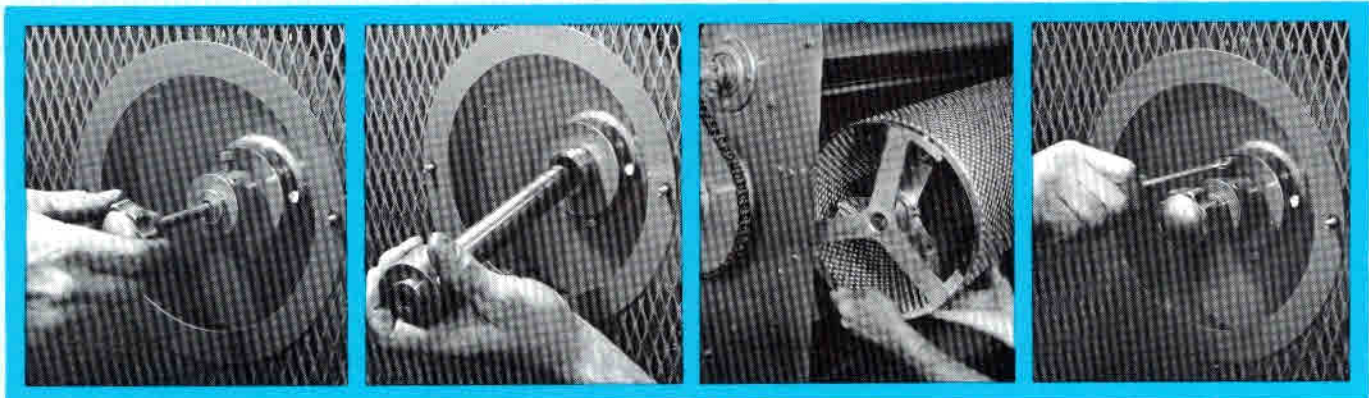
The No. 2 Carter Precision Grader is an intermediate capacity machine. Peak performance is assured by Carter-Day's advanced design and rugged construction. This grader is highly versatile, and can be used for a wide range of applications. Processing plants of all sizes use Carter-Day No. 2 Precision Graders for accurate sizing and separating.



No. 2 Precision Grader
View shows feed end with "gravity feeder."

Quick Cylinder Change Means More Production . . . Faster, Easier Cleaning!

Carter-Day Company's exclusive "Quick-Change" feature—the world's fastest cylinder change—is standard on all Precision Grader models. Just five minutes gives you a complete sizing change.



1 Remove the cylinder lock knob. All you need is a pocket wrench.

2 Withdraw the slotted stub shaft from the cylinder spider.

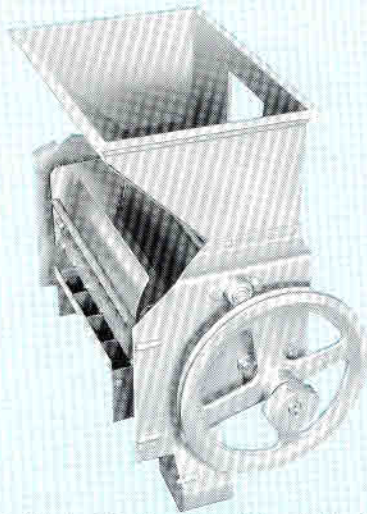
3 Lift out the cylinder, slide the new cylinder into place. Fits securely with no bother at all.

4 Guide stub shaft into the cylinder spider, position the lock knob, tighten the set screw and you're ready to roll.

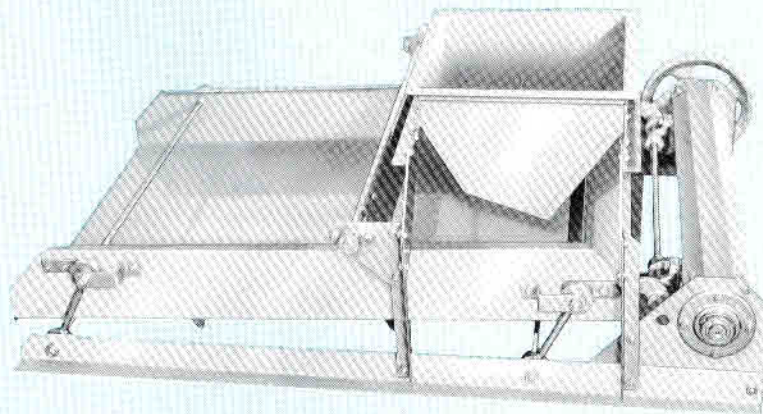
CARTER PRECISION GRADERS — SPECIFICATIONS

Size	Width	Length	Height	Motor Required	Net Weight	Shipping Weight
No. 2	33"	84"	45"	½ HP	730 lbs.	915 lbs.
No. 4	33"	84"	69"	¾ HP	1,130 lbs.	1,350 lbs.
No. 6	33"	84"	93"	1 HP	2,346 lbs.	2,596 lbs.

It is not practical to list capacities of Precision Graders because the nature of the materials handled and the type and size of the perforations used determine the capacities that can be handled efficiently.



Mechanical Feeder Type A is a vibrating feeder, recommended when material being processed is light in weight and tends to stratify. Ensures a positive distribution to the cylinders whether the feed rate is constant or fluctuating. Typical products are: light barley with a high percentage of thins, hulled sunflower seeds, etc.



Mechanical Feeder Type B is a vibrating conveyor type feeder recommended when the material being processed is light in weight and has a tendency to ball up and bridge. This feeder ensures a positive distribution to the cylinder whether the feed rate is constant or fluctuating. Typical products: delinted cotton seed, broome grass seed, etc.

Construction and Service — As is true of all Carter-Day products, the No. 2, No. 4 and No. 6 Precision Graders are noted for their efficiency, mechanical simplicity and sound construction. They are built for minimum maintenance costs and maximum life. The units are made of highest quality iron and steel and feature ball bearings throughout. Skillful engineering and precision workmanship assure you of mechanical excellence in any Carter-Day Precision Grader you may find most suited to your needs.

Warranty — The Carter-Day Company will repair or replace with a similar part, f.o.b. its factory where made, any part of its own manufacture in the ma-

chines illustrated in this folder which, within six months from shipment, prove defective in material or workmanship. The Company reserves the option to require the purchaser to deliver such defective part to the company for inspection, f.o.b. its said factory, within said six months period.

Free Laboratory Service — We will be glad to test, free of charge, samples of any material you may wish to process in Carter Precision Graders, and other Carter separating and sizing machines. To take advantage of this complimentary service, merely send about two quarts (by volume) of the material you wish tested.

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