

CARTER DAY

12"

MODULAR PRECISION SIZER



WORLDWIDE REPRESENTATION

CARTER DAY

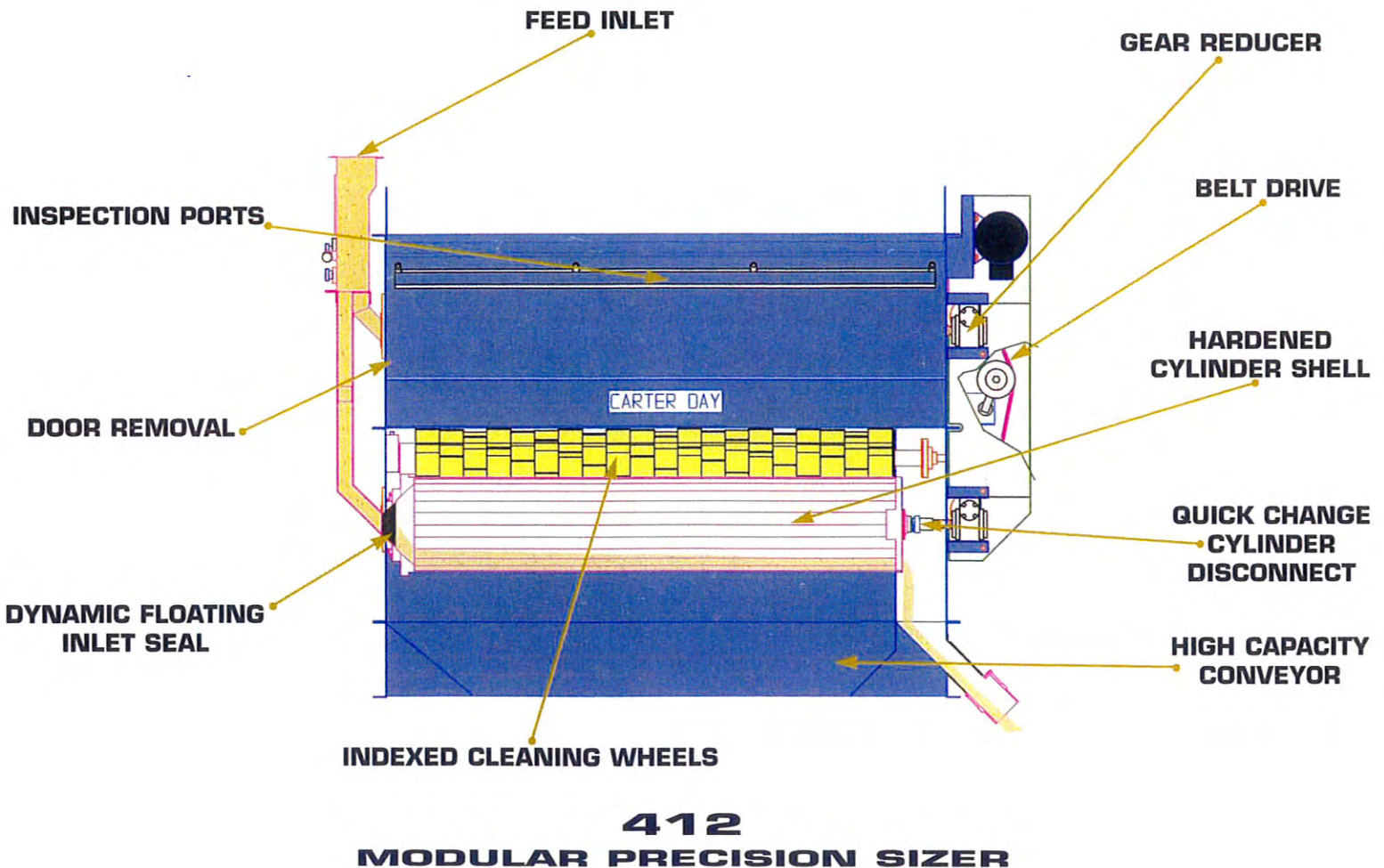
12"

MODULAR PRECISION SIZER

Carter Day has been manufacturing quality processing equipment for over 100 years. We continue this tradition of quality equipment with the Modular Precision Sizer.

The Carter Day Modular Precision Sizers have the performance efficiencies and capacities for virtually any sizing/separating requirement for seed corn, sunflower, barley, wheat, oats, rice, shelled peanuts, soybean, and most other free flowing granular material. The Modular Precision Sizers utilize four different styles of sizing cylinders with over 125 different size apertures.

As the product enters the cylinders, the rotating action presents the material in the most efficient manner to the close tolerance perforations to provide a precise separation. Each cylinder has indexed cleaning wheels located at the top of the cylinder where near sized material is gently pushed back into the cylinder without damaging the grain. This system is completely self-cleaning.



This design reflects our decades of experience manufacturing and selling precision sizers. And Carter Day's worldwide sales representation assures you of service after the sale.

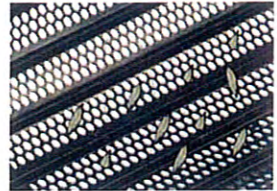
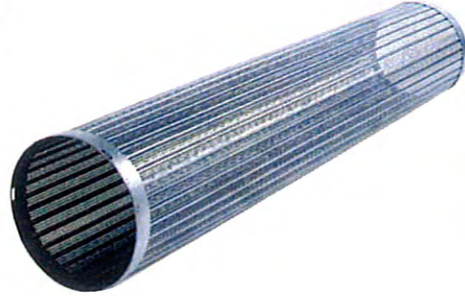
CARTER DAY INTERNATIONAL

MODULAR PRECISION SIZER

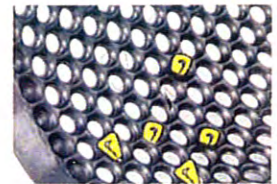
CYLINDER CONFIGURATION

The Modular Precision Sizer can utilize all types and sizes of cylinder openings for a wide range of applications.

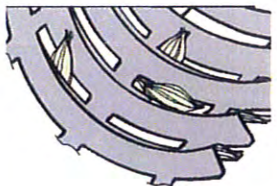
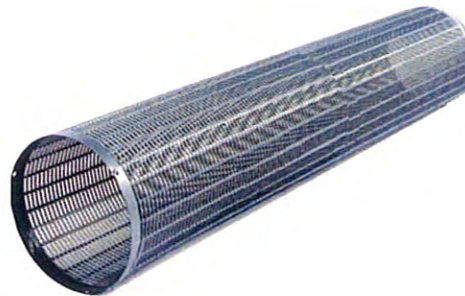
ROUND RIBBED - These cylinders are designed with ribs that run the length of the cylinder between each of several rows of round perforations. These ribs provide gentle agitation that upends the material for proper presentation to the perforations. The round perforations are available in sizes from 3/64 inch (1.2mm) in diameter to 12.5/64 inch (5mm) in diameter. Best for separating small particles by width.



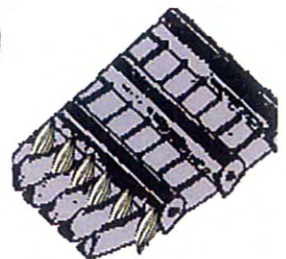
FUNLSIZER® This patented cylinder is the latest in technological design. The perforations are funnel shaped round holes. The funnel design upends the grain directly into the hole and either allows passage through the hole or rejects the grain and passes it down the cylinder. The funnel style holes are available from 13/64 inch (5.2mm) to 23/64 inch (9.1mm) in diameter. Best for separating large particles by width.



SLOTTED CYLINDER - This cylinder design has rectangular slot perforations with indented grooves. Slot perforations are available in sizes from 2.5/64 inch (1mm) wide to 36/64 inch (14.3mm) wide. Best for separating particles by thickness with close tolerances.

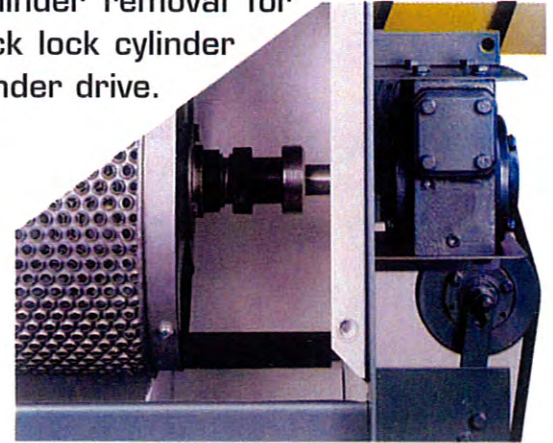
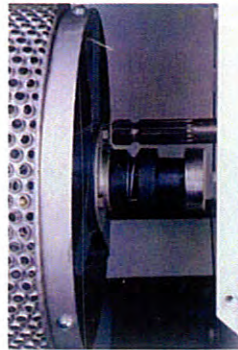
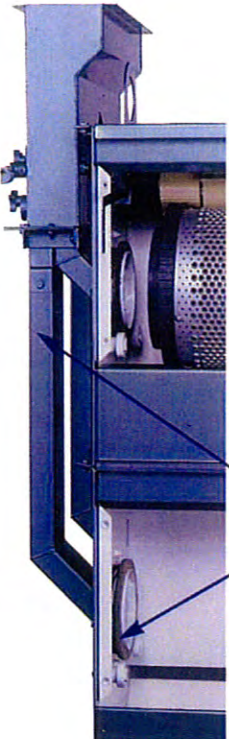


TRI-BAR - The Carter Day Tri-Bar slotted cylinder can double the cylinder capacity depending on slot width. The Tri-Bar operates by using a triangular shaped wire, instead of punched slots, producing more open area. Rigid construction maintains opening tolerance longer. Slot widths are available in sizes from 2.5/64 inch (1mm) wide to 36/64 inch (14.3mm) wide. Best for separating particles by thickness with high capacity.



THE CARTER DAY ADVANTAGE

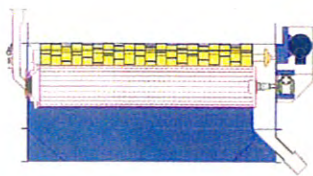
QUICK CHANGE CYLINDER DESIGN provides ease of cylinder removal for product change-overs and cylinder replacement. The quick lock cylinder coupling provides a fast yet positive connection to the cylinder drive.



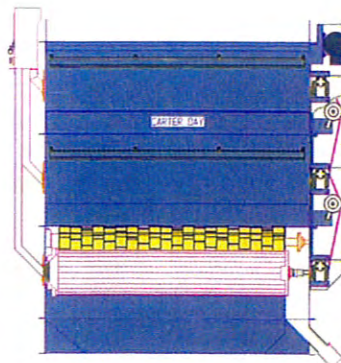
CYLINDER HUB CONNECTION

THE PRODUCT INLET FLOW SYSTEM is fabricated of heavy tubular spouting providing an increased degree of calibration at the feed inlet. A floating dynamic inlet seal prevents leakage as the product enters the cylinder.

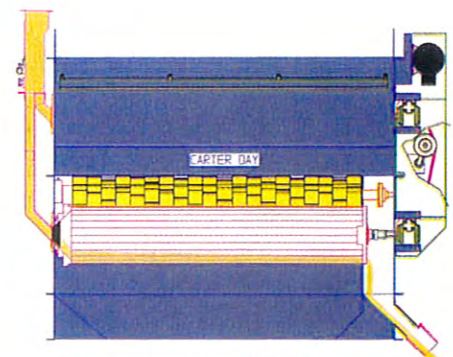
MODULAR DESIGN allows flexibility to configure complete units for quick delivery from inventory and reconfiguration in the field if processing needs change.



212 SIZER



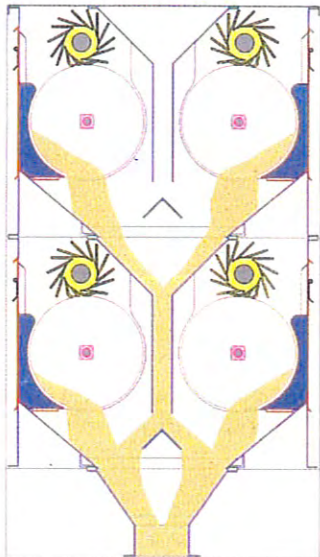
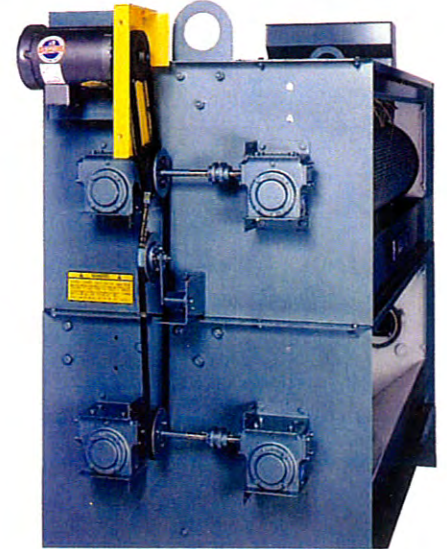
612 SIZER



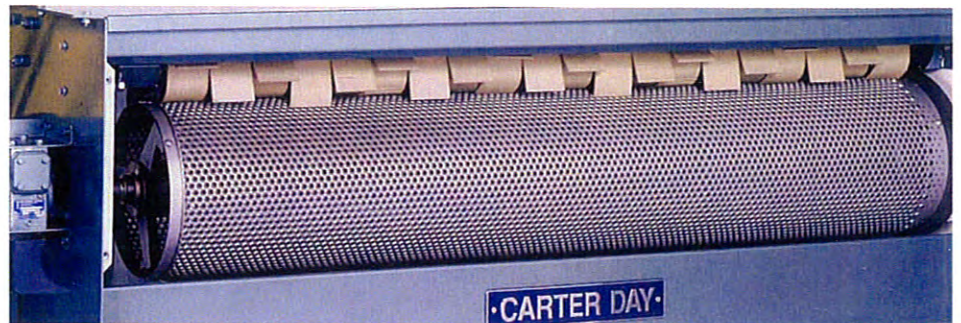
412 SIZER

THE CARTER DAY ADVANTAGE

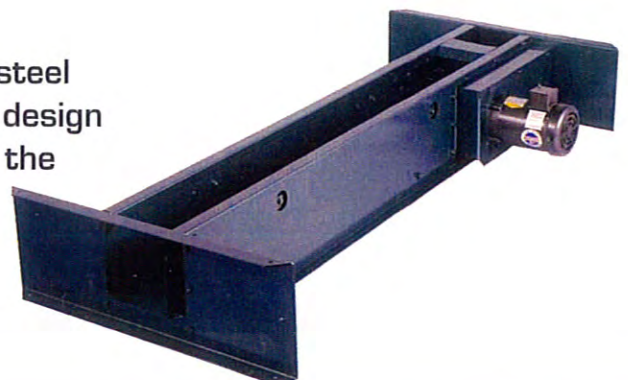
The Modular Precision Sizer drive system eliminates the use of chains & sprockets and uses a single v-belt drive between each module. By placing a reducer at each cylinder, the belt drive is optimized for both speed & tension for a smoother, quieter & more reliable system. The Precision Sizer comes with a manually adjustable speed range to meet your sizing requirements.



Molded Elastomer Indexed Cleaning Wheels provide an offset sequential contact area on the cylinder for quieter and smoother operation.



High Capacity Vibrating Conveyor utilizes a spring steel flexure design for reduced maintenance. The new design allows the discharge point to be easily reversed in the field.



CARTER DAY

PRODUCT FLOW CONFIGURATION

MODULAR PRECISION SIZER AVERAGE CAPACITY PER CYLINDER

PRODUCT	12" CYLINDER	SIFTING	GRADING	SCALPING
		5% THRUS Bu/HR - KG/HR	50% THRUS Bu/HR - KG/HR	95% THRUS Bu/HR - KG/HR
CORN	Round, Funlizer® Large Slot	45 - 1140 25 - 630	75 - 1900 40 - 1020	90 - 228 60 - 1520
BARLEY	Small Slot	30 - 650	35 - 760	80 - 1740
PADDY RICE	Round Ribbed Small Slot	10 - 200 (red Rice) 30 - 600	N / A N / A	30 - 600 (parboil) N / A
WHITE RICE	Small Slot	30 - 800	N / A	40 - 2500
SUNFLOWER	Round, Funlizer® Small Slot	10 - 145 15 - 215	15 - 215 20 - 290	20 - 290 50 - 725
WHEAT	Round Ribbed Small Slot	20 - 550 40 - 1100	N / A N / A	60 - 1650 80 - 2200
OATS	Small Slot	30 - 400	N / A	50 - 665
PEANUTS	Round Funlizer® Slot	20 - 227 25 - 295	25 - 295 50 - 490	40 - 450 75 - 850

MODEL	Height	Length	Width	Net Weight	Shipping Weight	Motor Requirement
212 SIZER	44.75" 1136mm	88" 2236mm	33.00" 838mm	1188 lbs 540 kg	1370 lbs 620 kg	3/4 hp .55 kw
412 SIZER	69.25" 1759mm	90" 2286mm	33.00" 838mm	2376 lbs 1080 kg	2740 lbs 1240 kg	1 hp .75 kw
612 SIZER	93.75" 2381mm	92" 2337mm	33.00" 838mm	3564 lbs 1620 kg	4100 lbs 1860 kg	2 hp 1.5 kw

all measurements include feeder

Complete laboratory service is at your disposal. Carter Day's facility enables us to test your unique product sample in laboratory or full size equipment to aid in determining the right machine for your application. We invite you to participate in tests conducted at our facility in Minneapolis, Minnesota, USA.

Sold & Serviced by

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