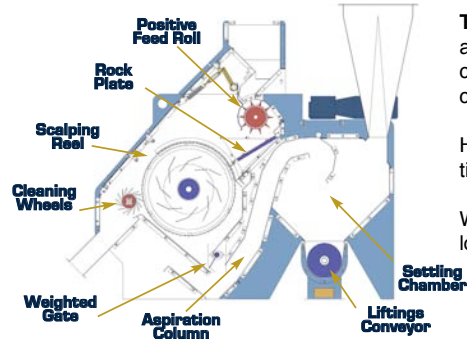


# CARTER DAY

## 24" LOW PROFILE SCALPERATOR AND SCALPER MODELS & SPECIFICATIONS



The 24" Low Profile Scalperator features scalping and aspiration in a single machine to provide a high capacity method for removing roughage, light fines and chaff in a single pass.

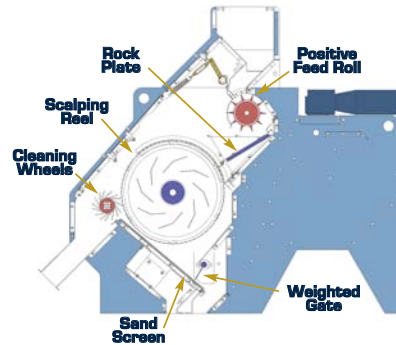
High capacity stand-alone pre-cleaning where installation conditions demand a low-profile machine.

We use all of the features of our 24" Scalperator in our low profile size less the feed roll gate.

The 24" Low Profile Scalper features scalping and sifting in a single machine to provide a high capacity method for removing roughage and fines in a single pass.

High capacity stand-alone scalping and sifting where installation conditions demand a low-profile machine.

We use all of the features of our 24" Scalperator in our low profile size less the feed roll gate.



### 24" MODULAR SCALPERATOR LOW PROFILE

DIMENSIONS	28" WIDTH		56" WIDTH		84" WIDTH		112" WIDTH	
	US	METRIC	US	METRIC	US	METRIC	US	METRIC
OPEN CIRCUIT								
WIDTH	63"	1600 mm	91"	2311 mm	119"	2870 mm	147"	3581 mm
LENGTH	86"	2185 mm	86"	2185 mm	86"	2972 mm	86"	3162 mm
HEIGHT	73"	1854 mm	73"	1854 mm	73"	2502 mm	73"	2502 mm
WEIGHT	1800lbs	819 kgs	2510lbs	1142 kgs	3290lbs	1829 kgs	3975lbs	2216 kgs

CAPACITIES	CAPACITIES BASED ON 3/4" x 3/4" MESH SCALPING SCREENS *							
	Bu/Hr	MT/Hr	Bu/Hr	MT/Hr	Bu/Hr	MT/Hr	Bu/Hr	MT/Hr
Wheat	2500	68.0	5000	136.0	7500	204.0	10000	272.0
Barley	2100	45.7	4200	91.4	6300	137.1	8400	182.4
Safflower	2100	53.3	4200	106.6	6300	159.9	8400	203.2
Corn	1700	43.1	3400	86.4	5100	129.6	6800	172.8
Soybeans	1700	46.3	3400	92.6	5100	138.9	6800	185.2
Oats	1500	21.8	3000	43.6	4500	65.4	6000	87.2
Sunflower	1500	21.8	3000	43.6	4500	65.4	6000	87.2
Paddy Rice (dry)	1000	20.4	2000	40.8	3000	61.2	4000	81.6
Paddy Rice (wet)	500	10.2	1000	20.4	1500	30.6	2000	40.8
Edible Beans	1500	40.8	3000	81.6	4500	122.4	6000	163.2
Canola	1000	27.2	2000	54.4	3000	81.6	4000	108.8
Mustard	1000	27.2	2000	54.4	3000	81.6	4000	108.8
Sorghum	2400	61.0	4800	122.0	7200	183.0	9600	244.0

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

CARTER DAY INTERNATIONAL

# CARTER DAY

## 24" and 11" SCALPERATOR MODELS & SPECIFICATIONS

### 24" MODULAR SCALPERATOR

DIMENSIONS	28" WIDTH		56" WIDTH		84" WIDTH		112" WIDTH	
	US	METRIC	US	METRIC	US	METRIC	US	METRIC
OPEN CIRCUIT								
WIDTH	57"	1448 mm	85"	2159 mm	113"	2870 mm	141"	3581 mm
LENGTH	103"	2616 mm	110"	2794 mm	117"	2972 mm	124.5"	3162 mm
HEIGHT	98.5"	2502 mm	98.5"	2502 mm	98.5"	2502 mm	98.5"	2502 mm
WEIGHT	2175lbs	989 kgs	3075lbs	1398 kgs	4025lbs	1829 kgs	4875lbs	2216 kgs
CLOSED CIRCUIT								
WIDTH	72"	1828mm	102"	2590 mm	130"	3302 mm	162"	4114 mm
LENGTH	147"	3733 mm	158"	4013 mm	162"	4114 mm	158"	4014 mm
HEIGHT	98.5"	2501 mm	98.5"	2501 mm	98.5"	2501 mm	98.5"	2501 mm
WEIGHT	2915lbs	1331kgs	4220lbs	1926kgs	5425lbs	2477kgs	7200lbs	3287 mm

CAPACITIES	CAPACITIES BASED ON 3/4" x 3/4" MESH SCALPING SCREENS *							
	Bu/Hr	MT/Hr	Bu/Hr	MT/Hr	Bu/Hr	MT/Hr	Bu/Hr	MT/Hr
Wheat	2500	68.0	5000	136.0	7500	204.0	10000	272.0
Barley	2100	45.7	4200	91.4	6300	137.1	8400	182.4
Safflower	2100	53.3	4200	106.6	6300	159.9	8400	203.2
Corn	1700	43.1	3400	86.4	5100	129.6	6800	172.8
Soybeans	1700	46.3	3400	92.6	5100	138.9	6800	185.2
Oats	1500	21.8	3000	43.6	4500	65.4	6000	87.2
Sunflower (oil)	1500	21.8	3000	43.6	4500	65.4	6000	87.2
Paddy Rice (dry)	1000	20.4	2000	40.8	3000	61.2	4000	81.6
Paddy Rice (wet)	500	10.2	1000	20.4	1500	30.6	2000	40.8
Edible Beans	1500	40.8	3000	81.6	4500	122.4	6000	163.2
Canola	1000	27.2	2000	54.4	3000	81.6	4000	108.8
Mustard	1000	27.2	2000	54.4	3000	81.6	4000	108.8
Sorghum	2400	61.0	4800	122.0	7200	183.0	9600	244.0

\* (Alternative scalping screen sizes available)

### 11" MODULAR SCALPERATOR

DIMENSIONS	28" WIDTH		56" WIDTH		84" WIDTH		112" WIDTH	
	US	METRIC	US	METRIC	US	METRIC	US	METRIC
OPEN CIRCUIT								
WIDTH	49"	1245 mm	77"	1956 mm	105"	2667 mm	133"	3379 mm
LENGTH	106"	2692 mm	106"	2692 mm	106"	2692 mm	106"	2692 mm
HEIGHT	48"	1219 mm	50"	1270 mm	51"	1295 mm	52"	1320 mm
WEIGHT	1225lbs	557 kgs	1750lbs	796 kgs	2300lbs	1046 kgs	2900lbs	1319 kgs

CAPACITIES	CAPACITIES BASED ON 3/4" x 3/4" MESH SCALPING SCREENS *							
	Bu/Hr	MT/Hr	Bu/Hr	MT/Hr	Bu/Hr	MT/Hr	Bu/Hr	MT/Hr
Wheat	630	16.3	1250	34.0	1900	51.4	2500	68.0
Barley	500	10.9	1050	22.9	1600	34.8	2100	45.7
Safflower	450	11.4	950	24.1	1400	35.6	1900	48.2
Corn	400	10.2	800	20.3	1200	30.5	1600	40.6
Soybeans	400	10.8	800	21.6	1200	32.6	1600	43.2
Oats	400	5.8	800	11.6	1200	17.4	1600	23.2
Sunflower	300	4.4	600	8.7	900	13.1	1200	17.4
Paddy Rice (dry)	300	6.1	600	12.2	900	18.4	1200	24.4
Paddy Rice (wet)	175	3.6	350	7.2	500	10.2	700	14.4
Edible Beans	325	8.8	650	17.7	1000	16.3	1300	35.4
Canola	250	6.8	500	13.6	750	20.4	1000	27.2
Mustard	250	6.8	500	13.6	750	20.4	1000	27.2
Sorghum	600	15.2	1200	30.4	1800	45.7	2400	60.8

\* (Alternative scalping screen sizes available)

- NOTE:
- Hourly input ratings are directly influenced by the screen sizes, the amount of foreign materials, the physical characteristics of the product, and the moisture content.
  - Capacities shown are in bushels and metric tons (one metric ton weighs 1,000 kilos or 2,205 pounds).
  - Capacities shown are based on U.S. harvesting practices.
  - Dry grains are considered to have a moisture content of less than 14%.
  - The following volumetric weights (pounds/bushel) apply:

Barley	48	Safflower	56	Oats	32
Soybeans	60	Corn (Maize)	56	Wheat	60
Canola	60	Paddy Rice	45	Sunflower Seed	32
Sorghum	56	Mustard	60	Edible Beans	60

### CARTER DAY INTERNATIONAL, INC.

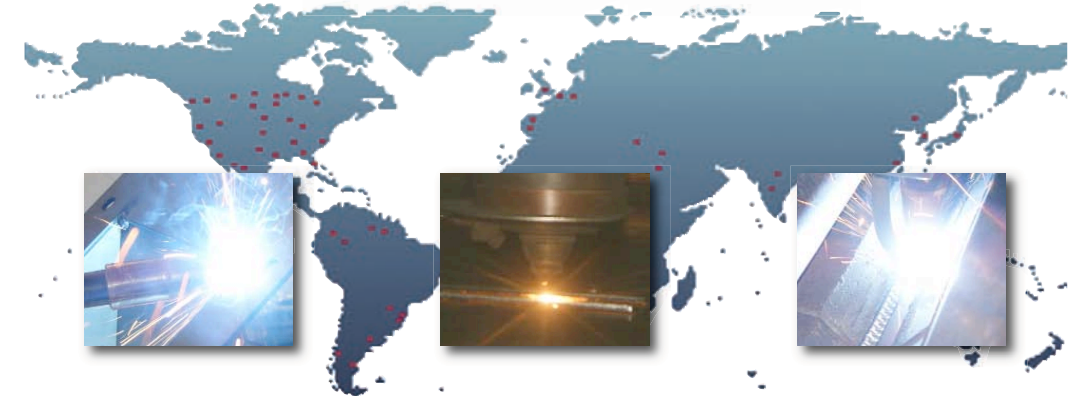
500 73rd Ave. N.E. Minneapolis, Minnesota 55432  
Tel: (763) 571-1000 Fax: (763) 571-3012 www.carterday.com



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# CARTER DAY

## MODULAR SCALPERATOR 24 & 11



WORLDWIDE REPRESENTATION

# CARTER DAY

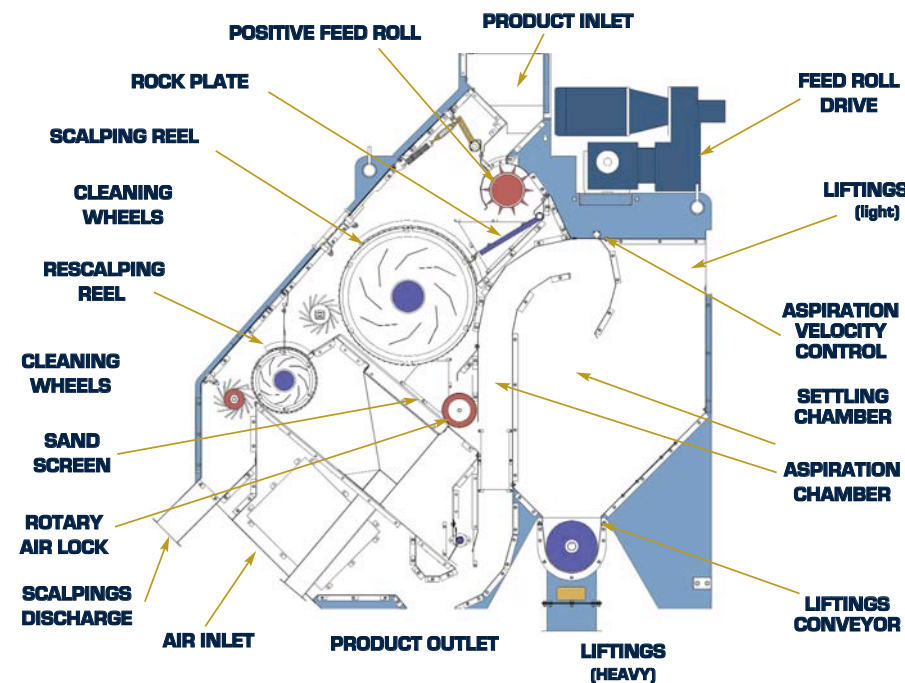
## 24" MODULAR SCALPERATOR

For more than 75 years Carter Day has been manufacturing quality equipment. We continue this tradition with the 24" Scalperator for high capacity, one pass cleaning of incoming or outgoing grains, seeds, and rice.

The 24" Scalperator features scalping, rescalping and aspiration in a single machine to provide a high capacity method for removing roughage, light fines and chaff in a single pass. Incoming grain passes through a rotating wire mesh scalping reel eliminating roughage and other oversized materials, a rescalping reel reclaims any good material from the overs, and high volume aspiration then removes the light materials.

Performance-engineered aspiration chamber and flow-modulated air lock valves provide consistent cleaning of the product and our simplified design provides for easy clean out and routine maintenance.

Operator friendly machine controls provide accurate control of all process variables. Optional feedback indicators on critical process variables provide enhanced repeatability and accurate machine set-up. Impact resistant polycarbonate windows allow the operator to monitor cleaning performance. Simplified design provides for easy clean out and access for routine maintenance.



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# THE CARTER DAY ADVANTAGE

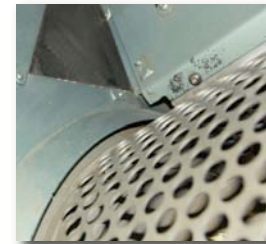
## 24 & 11 SCALPERATOR



The HTD drive package provides increased reliability and decreased downtime with minimal adjustment and maintenance.



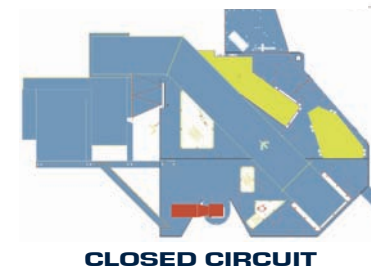
The rock plate ensures high capacity scalping performance and minimizes rock and other particulate buildup behind the scalping reel. The correct setting of the rock plate position establish stick separation.



A molded urethane feed roll accurately controls the feed rate and provides a positive shut-off. The urethane feed roll is highly wear resistance and its smooth surface resists build-up of product and contaminations. VFD controlled variable speed drive accommodates a variety of feed rate ranges.



A molded urethane feed roll gate accurately controls the process feed rate as the product enters the air wash. The VFD controlled variable speed drive of the feed roll controls the feed roll and feed roll gate RPM to accommodate variety of feed rate ranges.



24" Closed Circuit Air options can be field added, and conversions between closed and open-circuit machine configurations can be accomplished as future needs arise. Self contained closed circuit designs are available in all size ranges and features high-efficiency. Use dust pick ups to reduce dust recirculation.

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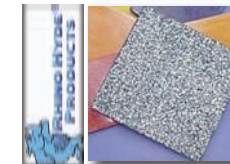
# THE CARTER DAY ADVANTAGE

## 24 & 11 SCALPERATOR

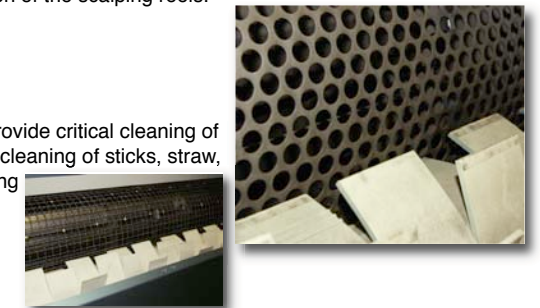


Round Hole Perforated Scalping Reels custom punched and specially hardened by Carter Day provides unmatched Scalping Cleaning. The terrific cleaning of sticks, straw, pods, string etc. comes from the proper selection of round hole diameter selection of the scalping reels.

Patented Molded Elastomer Wiper Blades provide critical cleaning of the Scalping and Rescalping Reel. The terrific cleaning of sticks, straw, pods, string etc. comes from the proper matching of round hole or mesh scalping reels and wiper blades.



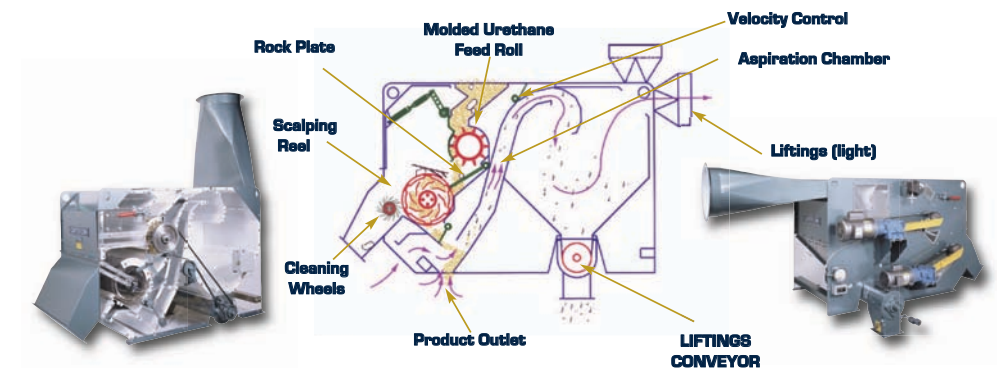
Product Wear Liners are a great option to increase machine life. We offer replaceable bolt in AR and Rhino Hyde® with Ceramic Panels. Plus permanently installed high wear resistant Ceramic Tile.



## 11" MODULAR SCALPERATOR

The 11" Scalperator provides lower capacities in a low-profile design, shares many of the features of the 24" Scalperator. The 11" Scalperator line is designed to be coupled directly to many of our cleaning machines which require pre-cleaning of the incoming product before finish cleaning. It can also be used as a stand-alone pre-cleaner where installation conditions demand a low-profile machine.

The shared features of the 24" Scalperator found in the 11" model are defined in the below flow diagram.



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