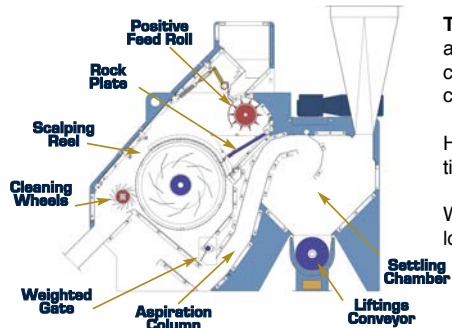


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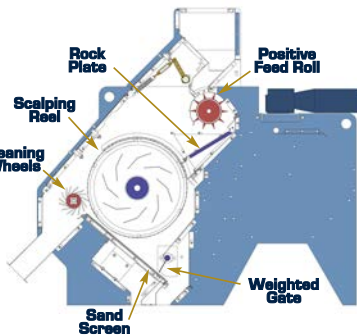
24" LOW PROFILE SCALPERATOR AND SCALPER MODELS & SPECIFICATIONS



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.



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.

24" MODULAR SCALPERATOR LOW PROFILE

DIMENSIONS OPEN CIRCUIT	28" WIDTH		56" WIDTH		84" WIDTH		112" WIDTH	
	US	METRIC	US	METRIC	US	METRIC	US	METRIC
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 *		CAPACITIES BASED ON 1/2 ROUND PERFORATION / OR / 3x4 MESH SCALPING SCREENS AND FEED VALVE Noted by*	
	Bu/Hr	MT/Hr	Bu/Hr	MT/Hr
Wheat	2500	68.0	5000	136.0
Barley	2100	45.7	4200	91.4
Safflower	2100	53.3	4200	106.6
Corn	1700	43.1	3400	86.4
Soybeans	1700	46.3	3400	92.6
Oats	1500	21.8	3000	43.6
Sunflower (oil)	1500	21.8	3000	43.6
Paddy Rice(dry)	1000	20.4	2000	40.8
Paddy Rice(wet)	500	10.2	1000	20.4
Edible Beans	1500	40.8	3000	81.6
Canola	1000	27.2	2000	54.4
Mustard	1000	27.2	2000	54.4
Sorghum	2400	61.0	4800	122.0

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

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24"and 11" SCALPERATOR MODELS & SPECIFICATIONS

24" MODULAR SCALPERATOR

DIMENSIONS OPEN CIRCUIT	28" WIDTH		56" WIDTH		84" WIDTH		112" WIDTH	
	US	METRIC	US	METRIC	US	METRIC	US	METRIC
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	28" WIDTH		56" WIDTH		84" WIDTH		112" WIDTH	
	US	METRIC	US	METRIC	US	METRIC	US	METRIC
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 1/2 ROUND PERFORATION / OR / 3x4 MESH SCALPING SCREENS AND FEED VALVE Noted by*	
	Bu/Hr	MT/Hr
Wheat	2500/3125*	68.0/85*
Barley	2100/2625*	45.7/57.1*
Safflower	2100	53.3
Corn	1700	43.1
Soybeans	1700	46.3
Oats	1500	21.8
Sunflower	1500	21.8
Paddy Rice(dry)	1000	20.4
Paddy Rice(wet)	500	10.2
Edible Beans	1500	40.8
Canola	1000	27.2
Mustard	1000	27.2
Sorghum	2400	61.0

*(Alternative scalping screen sizes available, Corn and Soybean Round Perforation Size May Range 1/2 - 5/8)

11" MODULAR SCALPERATOR

DIMENSIONS OPEN CIRCUIT	28" WIDTH		56" WIDTH		84" WIDTH		112" WIDTH	
	US	METRIC	US	METRIC	US	METRIC	US	METRIC
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
Wheat	630	16.3
Barley	500	10.9
Safflower	450	11.4
Corn	400	10.2
Soybeans	400	10.8
Oats	400	5.8
Sunflower	300	4.4
Paddy Rice (dry)	300	6.1
Paddy Rice (wet)	175	3.6
Edible Beans	325	8.8
Canola	250	6.8
Mustard	250	6.8
Sorghum	600	15.2

*(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.

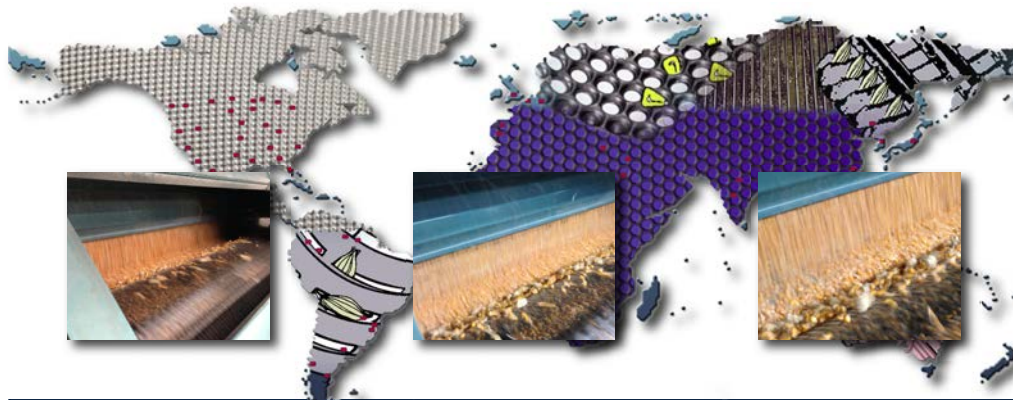
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CARTER DAY

MODULAR SCALPERATOR 24 & 11



WORLDWIDE REPRESENTATION

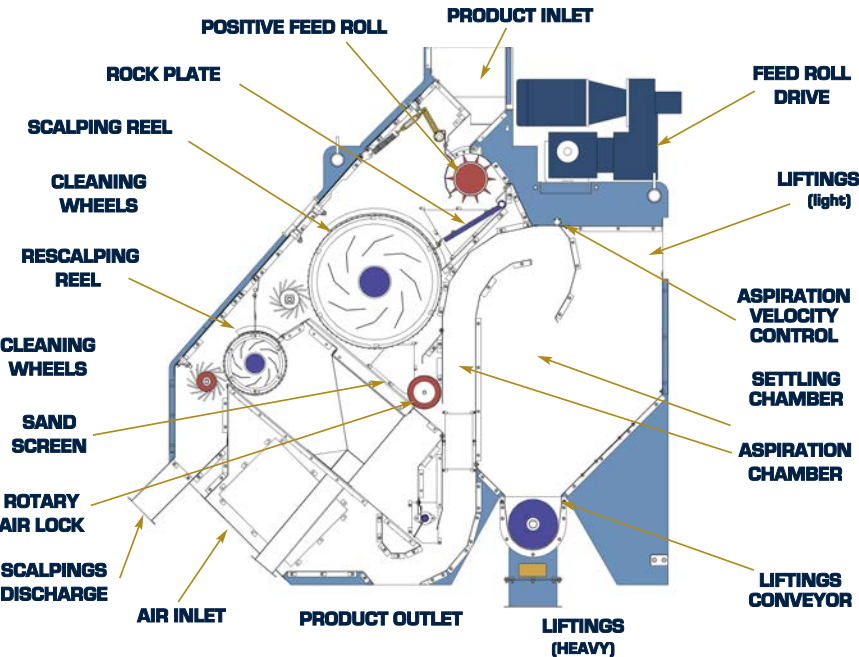
CARTER DAY
24" MODULAR SCALPERATOR

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 over-sized 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.



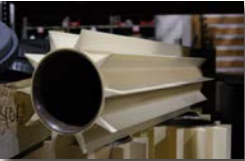
THE CARTER DAY ADVANTAGE
24 & 11 SCALPERATOR



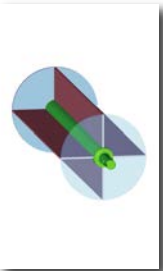
The HTD drive package provides increased reliability and decreased downtime with minimal adjustment and maintenance.



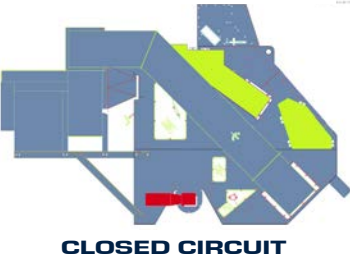
The rock plate ensures high capacity scalping performance and minimizes rock and other particulate buildup behind the scalping reel. The correct setting of the rock plate position establish stick separation.



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. We also offer a Feed Valve Style Feeder for high capacity applications shown on the right.



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.

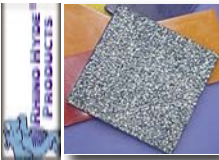
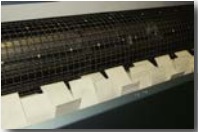
THE CARTER DAY ADVANTAGE
24 & 11 SCALPERATOR



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.

