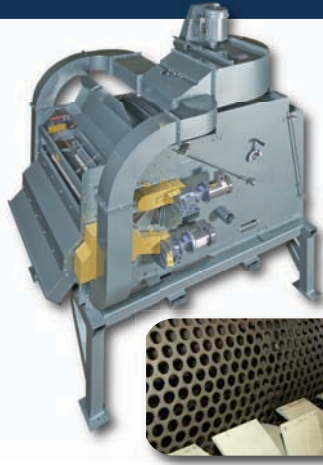


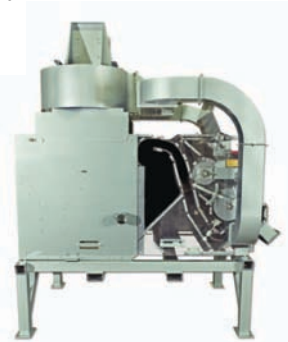
# CARTER DAY TOP AIR SCALPERATOR OPEN AND CLOSED CIRCUIT



The ASC Top Air 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.



Scalping Reel utilizing 1/2 round perforated hardened reels and wiper blade system



**Scalping Reel and True Aspiration** – Remove Stick, Straw, cob and aspirate prior to scalping and sifting screen of the ASC. Minimize blinding of the scalping and sifting screen utilizing the 1/2 perforated scalping reel.

### Urethane Feedroll Controls Feed Rate for True Aspiration

Meter feeds your product into the aspiration column

**True Closed Circuit Aspiration** using only a 500 CFM dust pick ups to control dust especially seed and most paddy rice cleaning applications.

**Full Metal Construction** - For Performance, durability and ease of maintenance.

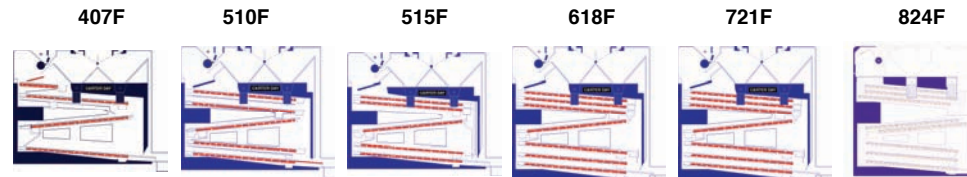
**Retrofit - able on all Carter Day Air Screen Cleaners and Retrofit - able on most Cimbrria Cleaners.**



**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 MODELS & SPECIFICATIONS

	407 SERIES	510 SERIES	515 SERIES	618 SERIES	721 SERIES	824 SERIES	P515 SERIES
DIMEN-	US / Metric	US / Metric	US / Metric	US / Metric	US / Metric	US / Metric	US / Metric
Width	74"/1880 mm	74"/1880 mm	74"/1880 mm	74"/1880 mm	74"/1880 mm	74"/1880 mm	80"/2032 mm
Length	114"/2896 mm	114"/2896 mm	145"/3683 mm	145"/3683 mm	145"/3683 mm	153"/3886 mm	154"/3912 mm
Height	US / Metric	US / Metric	US / Metric	US / Metric	US / Metric	US / Metric	US / Metric
F Models	88"/2236 mm	98"/2490 mm	108"/2744 mm	125"/3175 mm	125"/3175 mm	143"/3632 mm	143"/3632 mm
UF Models	120"/3048 mm	130"/3302 mm	140"/3556 mm	156"/3963 mm	156"/3963 mm	174"/4420 mm	N/A
LP Scalper	109"/2769 mm	119"/3023 mm	126"/3200 mm	142"/3607 mm	142"/3607 mm	160"/4064 mm	160"/4064 mm
Weight	Lbs / Kgs	Lbs / Kgs	Lbs / Kgs	Lbs / Kgs	Lbs / Kgs	Lbs / Kgs	Lbs / Kgs
F Models	3031/1375	3693/1675	4905/2225	5567/2525	5567/2525	8200/3719	6600/2993
UF Models	5291/2400	5952/2700	6504/2950	7165/3250	7165/3250	9800/4445	N/A
Scalper Incl.	4800/2178	5500/2495	6200/2813	6800/3085	6800/3085	9400/4265	8800/3991
CC Scalper	5750/2609	6450/2926	7150/3244	7750/3516	7750/3516	10350/4696	9750/4422
CC Pick-up	500 CFM	500 CFM	500 CFM	500 CFM	500 CFM	500 CFM	500 CFM
Screen Area	75 ft <sup>2</sup> /7 M <sup>2</sup>	107 ft <sup>2</sup> /10 M <sup>2</sup>	161 ft <sup>2</sup> / 15 M <sup>2</sup>	194 ft <sup>2</sup> /18 M <sup>2</sup>	226 ft <sup>2</sup> /21 M <sup>2</sup>	258 ft <sup>2</sup> /24 M <sup>2</sup>	161 ft <sup>2</sup> /15 M <sup>2</sup>
CFM / M <sup>3</sup> /Hr	CFM / M <sup>3</sup> /Hr	CFM / M <sup>3</sup> /Hr	CFM / M <sup>3</sup> /Hr	CFM / M <sup>3</sup> /Hr	CFM / M <sup>3</sup> /Hr	CFM / M <sup>3</sup> /Hr	CFM / M <sup>3</sup> /Hr
Air Rqd	4800/8200	5650/9600	6500/11000	6500/11000	6500/11000	7000/11100	7000/11100
CAPACITIES	Bu & MT/Hr	Bu & MT/Hr	Bu & MT/Hr	Bu & MT/Hr	Bu & MT/Hr	Bu & MT/Hr	Bu & MT/Hr
Barley	80-175/1.7-3.8	175-350/3.8-7.6	350-650/7.6-14.2	450-800/9.7-17.4	450-800/9.7-17.4	1000/21.7	2000-2500/44-54
Corn	80-175/2.0-4.4	175-350/4.4-8.9	350-650/8.9-16.5	450-800/11.4-20.3	450-800/11.4-20.3	1000/25.4	1500-2000/38-51
Grass Seed	75-90/5-.8	100-125/8-1.2	175-225/1.2-2.1	250-350/2.3-3.2	250-350/2.3-3.2	450/5	
Paddy Rice	75-150/1.5-3.0	150-350/3.0-7.1	350-650/7.1-13.3	400-700/8.2-14.3	400-700/8.2-14.3	1000/20.4	1500-2000/30-41
Peas	80-175/2.0-4.4	175-350/4.4-8.9	350-650/8.9-16.5	450-800/11.4-20.3	450-800/11.4-20.3	1000/27.2	
Soybeans	80-175/2.0-4.4	175-350/4.4-8.9	350-650/8.9-16.5	450-800/11.4-20.3	450-800/11.4-20.3	1000/27.2	1500-2000/41-54
Wheat	100-250/2.7-6.8	200-450/5.4-12.2	400-900/10.8-24.5	600-1100/16.3-29.9	600-1100/16.3-29.9	1500/40.8	2000-3000/54-82
MOTORS	F / UF	F / UF	F / UF	F / UF	F / UF	F / UF	F
Drive	5 Hp/3.7 kW	5 Hp/3.7 kW	5 Hp/3.7 kW	7.5 Hp/5.5 kW	7.5 Hp/5.5 kW	10 Hp/7.5 kW	7.5 Hp/5.5 kW
Feed	1 Hp/.75 kW	1 Hp/.75 kW	1 Hp/.75 kW	1 Hp/.75 kW	1 Hp/.75 kW	1 Hp/.75 kW	1 Hp/.75 kW
Ultra Air Fan	NA/3 Hp/2.2 kW	NA/3 Hp/2.2 kW	NA/3 Hp/2.2 kW	NA/3 Hp/2.2 kW	NA/3 Hp/2.2 kW	NA/3 Hp/2.2 kW	N/A



CARTER AIR SCREEN CLEANER Model Numbers denote the quantity of screen decks and screen sections. Example: F407 = 4 screen decks and 7 screen sections, in Fine Cleaner configuration. P515 found on the inside cover.

Barley.....48	Grass Seed.....20	Oats.....32
Soybeans.....56	Corn (Maize).....56	Wheat.....60
Sesame.....46	Paddy Rice.....45	Sunflower Seed.....32
Sorghums.....56	Rye.....56	Chick Pea (Garbanzo).....58

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.

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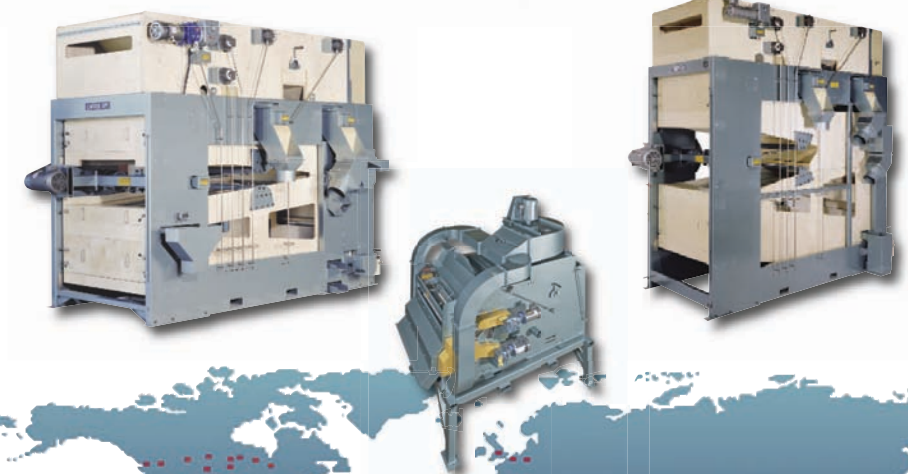


# CARTER DAY

## AIR SCREEN CLEANER

### ASC P515 ASC Scalperator

2 Year  
Warranty



# CARTER DAY

## AIR SCREEN CLEANER

# THE CARTER DAY ADVANTAGE

## DRIVE PACKAGE AND TOP SECTION

# THE CARTER DAY ADVANTAGE

## SHOE DESIGN AND ASPIRATION

For more than 75 years Carter Day has been manufacturing quality processing equipment. We continue this tradition with the introduction of our AIR SCREEN CLEANER LINE.

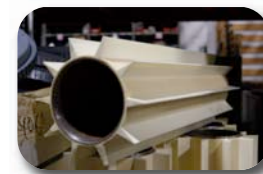
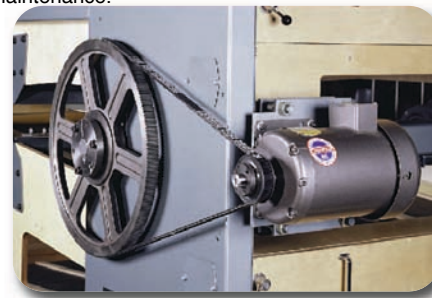
The AIR SCREEN CLEANER LINE is designed to meet your high capacity cleaning requirements. The cleaner's integrated pre-suction and after-suction aspiration with scalping, and sifting capability, provides higher quality cleaning performance than typical pre-cleaners.

The Fine Cleaners feature an exceptional drive system, easily changeable screens and a consistent air wash of the product. Flexible screen arrangements allow an operator to customize flow configuration to their process requirements.

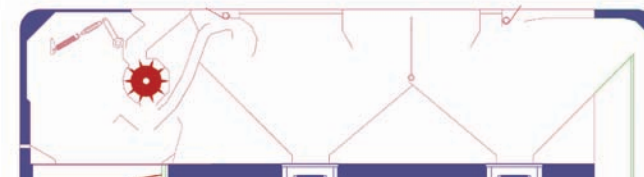
The Ultra Fine Cleaners have all the features of our Fine Cleaner plus a bottom air system with mechanical variable speed fan control. The simple functionality of our mechanical adjustments make it affordable to move up to the ultimate in air separation.

The P515 Air Screen Cleaners have all the features of our Fine Cleaner plus a 10 degree screen slope for high capacity.

Drive system reliability is designed into the Carter Day ASCH AND P515 PRE-CLEANER by the incorporation of high capacity double row spherical roller bearings on the shoe shake drive shaft, high performance synchronous belt drive on the shoe shake and Feed Roll using standard NEMA face motors and gear reducers. Drive ratings exceed the industry average and the simple mechanical drive system means easy and quick maintenance.



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

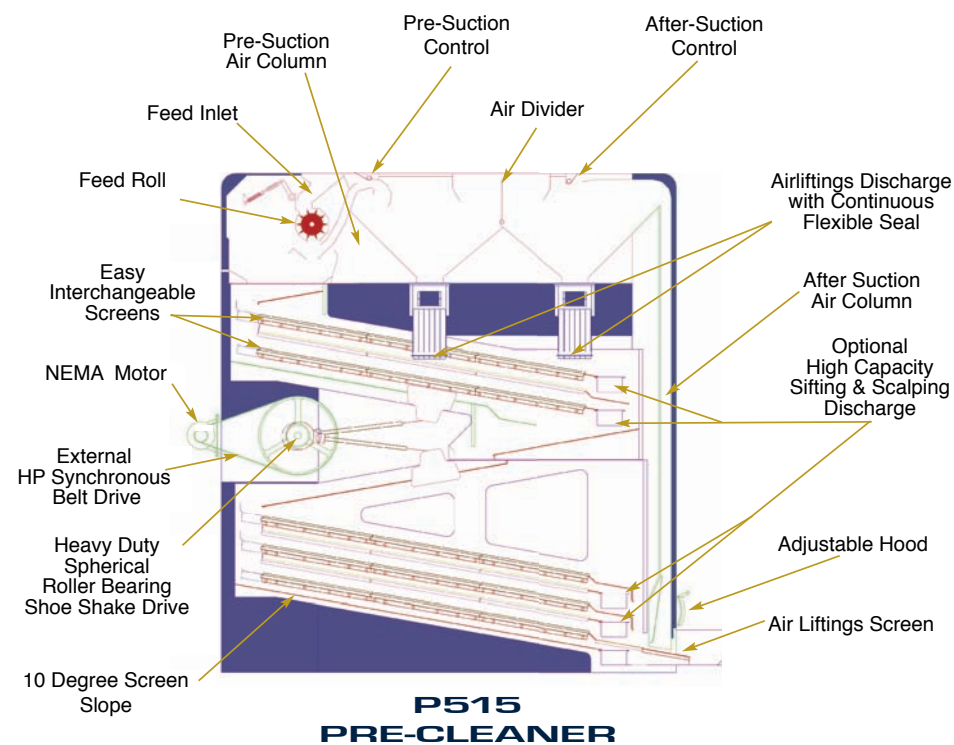


**Top Air utilizing Full Metal Construction** for Performance, durability and ease of maintenance.

**Urethane Feed Roll Controls Feed Rate for True Aspiration** meter feeding into an actual aspiration chamber.

**Full Metal Construction** - For Performance, durability and ease of maintenance.

**Retrofit - able on all Carter Day Air Screen Cleaners and Retrofit - able on most Cimbrion Cleaners.**

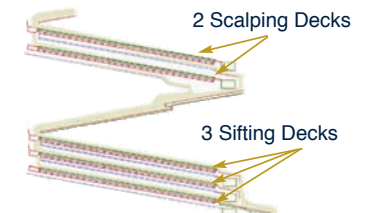


Our broad range of screen area choices are available to meet your capacity needs. The screen area offerings range from the 75 square feet in the 407 series to 258 square feet in the 824 series.

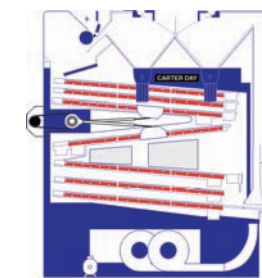
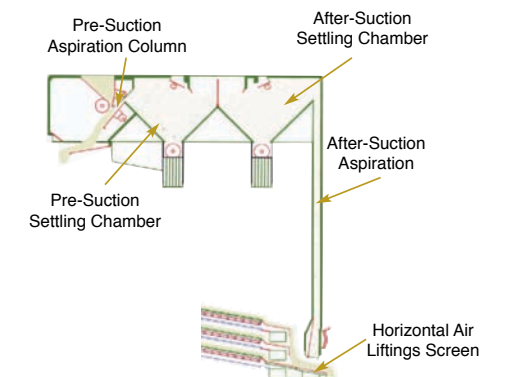
Flexible screen arrangements allow the operator to proportionally change the ratio of sift and scalp screen area, providing adaptability to various products. By removing or inserting discharge spouts, screen decks and pans, the operator achieves optimal efficiency for a given screen area. The quick change screens and self cleaning ball trays keep turnaround time to a minimum.

The **P515 Air Screen Cleaner** uses the same machine configuration of the ASCH however we provide a 10 degree slope on the screen allowing increased product flow and higher capacities.

**P515 SCREEN CONFIGURATON**  
10 Degree Slope Offering High Capacity Scalping and Sifting



The Exceptional Aspiration System allows an accurate separation of light seed and foreign material from the main product flow. The **Horizontal Air Liftings Screen** provides a more uniform air wash of the product. It becomes fluidized as it passes over an 8" wide air screen that runs the full width of the machine.



### AIR SCREEN CLEANER ULTRA FINE MACHINES

The Ultra Fine Fan Package offers additional aspiration at the discharge of the air screen cleaner featuring offset twin bottom air fans. When cleaning seed many customers use the Ultra Fine Aspiration to add additional air stratification of the product allowing increased aspiration.