

CRIPPEN LEGEND SERIES SPECIFICATIONS

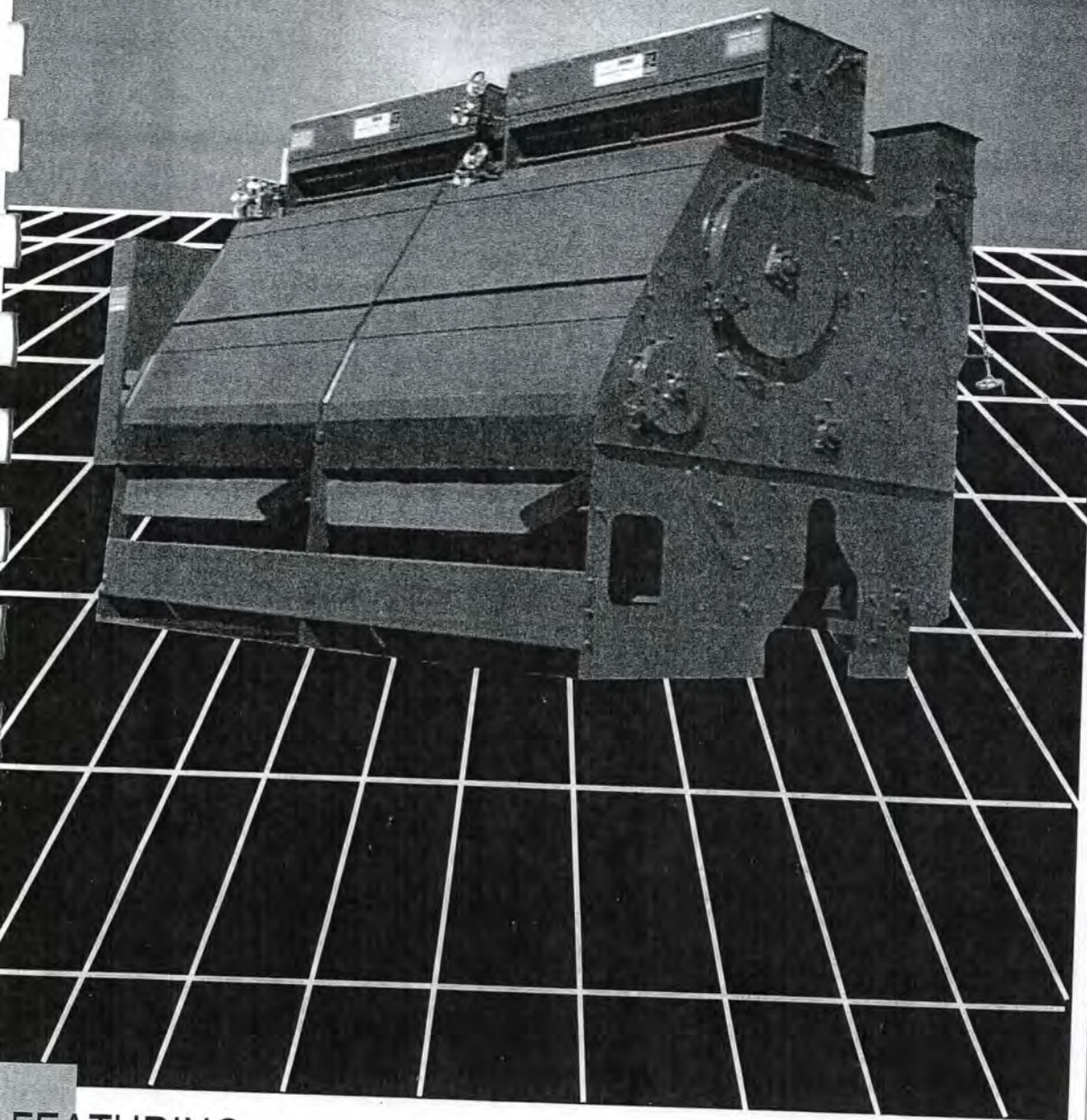


MODEL NUMBER	NO. OF SCREENS	SCREEN SIZE (IN/MM)	TOTAL AREA (SQ FT/CM)	CAPACITY (T/HR)
LEGEND 388	3	(54"x88"/1372x2235)	99 / 9.20	3000 / 81.8
LEGEND 488	4	(54"x88"/1372x2235)	132 / 12.26	4000 / 109.1
LEGEND 588	5	(54"x88"/1372x2235)	165 / 15.33	5000 / 136.3
LEGEND 588S	1	(54"x72"/1372x1829)	192 / 17.84	5000 / 136.3
	5	(54"x88"/1372x2235)		
LEGEND 588-2R/S	5	(54"x88"/1372x2235)	165 / 15.33	5000 / 136.3
LEGEND 588-4R/S	5	(54"x88"/1372x2235)	165 / 15.33	5000 / 136.3
LEGEND 688	6	(54"x88"/1372x2235)	198 / 18.39	6000 / 163.6
LEGEND 888	8	(54"x88"/1372x2235)	264 / 24.53	8000 / 218.1
LEGEND 888-4R/S	8	(54"x88"/1372x2235)	264 / 24.53	8000 / 218.1
LEGEND 1088	10	(54"x88"/1372x2235)	330 / 30.66	6000 / 163.6
LEGEND 1288	12	(54"x88"/1372x2235)	396 / 36.8	8000 / 218.1
LEGEND 1488	4	(54"x108"/1372x2744)	492 / 45.7	10000 / 272.7
	10	(54"X88"/1372x2235)		

MODEL NUMBER	POWER (HP/KW)	# OF FANS	AIR VOLUME (CFM/CMH)	LENGTH (IN/MM)	WIDTH (IN/MM)	HEIGHT (IN/MM)
LEGEND 388	15 / 11.0	2	9000 / 15294	147 / 3340	88 / 2240	101 / 2570
LEGEND 488	15 / 11.0	2	9000 / 15294	152 / 3860	88 / 2240	108 / 2740
LEGEND 588	15 / 11.0	2	9000 / 15294	184 / 4680	88 / 2240	116 / 2950
LEGEND 588S	15 / 11.0	2	9000 / 15294	184 / 4680	88 / 2240	132 / 3350
LEGEND 588-2R/S	17 / 12.5	1	4500 / 7650	171 / 4340	96 / 2240	168 / 4270
LEGEND 588-4R/S	25 / 19.2	1	4500 / 7650	184 / 4680	96 / 2240	174 / 4420
LEGEND 688	15 / 11.0	2	9000 / 15294	184 / 4680	88 / 2240	134 / 3400
LEGEND 888	15 / 11.0	2	9000 / 15294	184 / 4680	88 / 2240	152 / 4680
LEGEND 888-4R/S	23 / 17.7	1	4500 / 7650	184 / 4680	96 / 2240	193 / 4910
LEGEND 1088	25 / 18.7	4	18000 / 30588	202 / 5140	88 / 2240	175 / 4450
LEGEND 1288	25 / 18.7	4	18000 / 30588	208 / 5290	88 / 2240	189 / 4810
LEGEND 1488	25 / 18.7	4	18000 / 30588	214 / 5436	88 / 2240	211 / 5360

• Capacities indicate the approximate high tolerance market cleaning capacity based on wheat. Capacities will vary depending on impurities to be removed and the desired quality of the finished product.

REEL SCALPERS/ASPIRATORS



FEATURING

- 24" Dia Scalping Reels - Standard
- Scalping Trash Removal Spout
- Feed Hopper System With Staggered Fluted Feed Roll, Feed Gate and Clean-out Gate
- U.S. Standard Components and Drives
- Mesh Scalping Screen Material To Match Your Product and Application. (5/8", 3/4", or 7/8")
- Rotating Reel Cleaning Brushes
- Air System at Discharge with Expansion Chamber (R/S Models)
- Heavy-duty Construction
- Designed and Built in the U.S.A.
- Highest Quality American Workmanship - A Crippen Standard
- Replacement Parts Always in Stock at Factory for Prompt Delivery

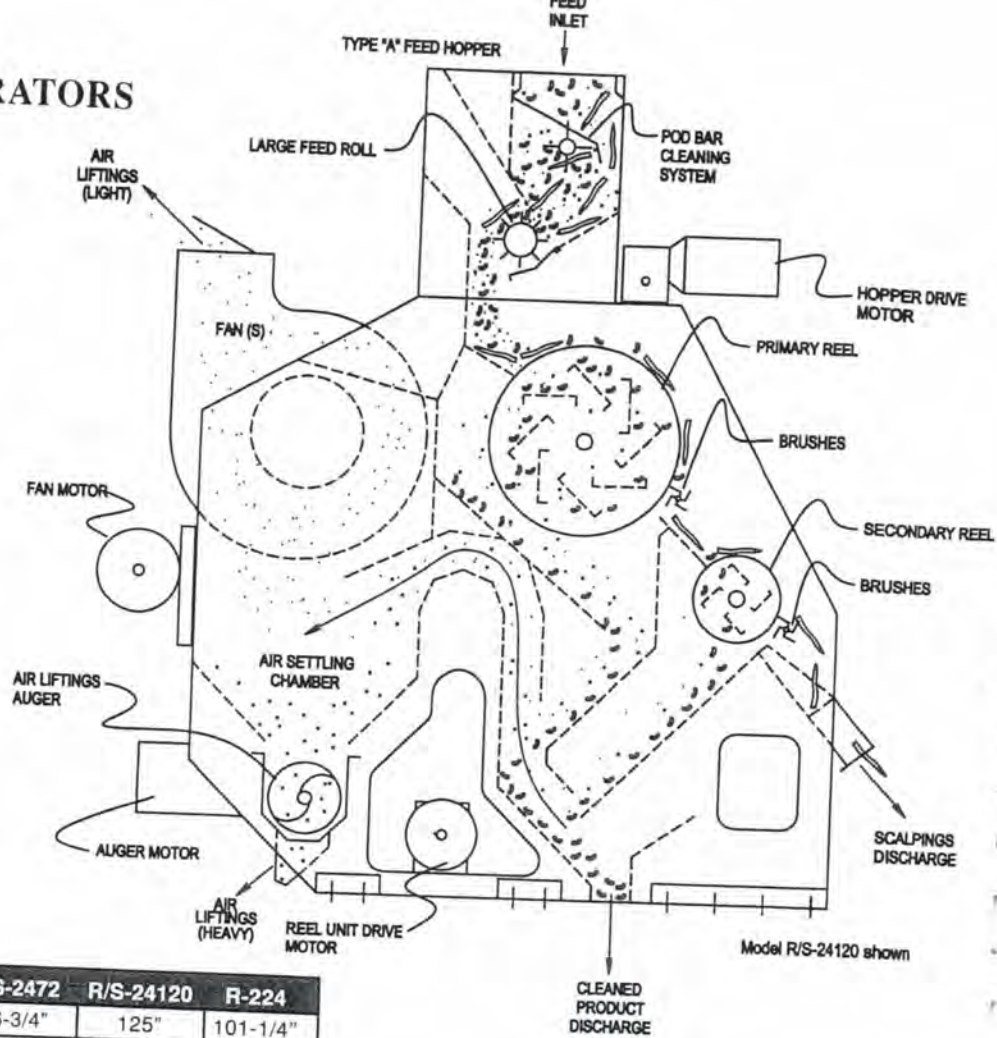
CRIPPEN REEL SCALPERS/ASPIRATORS

Crippen R & R/S Model Reel/Scalpers and Aspirators are an excellent choice for high capacity removal of large materials and light fines from a variety of products — particularly those with high moisture content.

Incoming product is metered on to a large primary wire-mesh scalping reel. Good product passes through the mesh and is gently captured and transferred by internal baffles while the large unwanted material is carried over. The R/S models have a secondary reel that reclaims any good product from the large trash and an aspiration system which removes light foreign material from the good product prior to discharging from the unit.

Crippen Reel Scalpers can be used as stand-alone precleaners or in conjunction with high capacity air/screen machines — also available from Crippen. All units are designed to be user friendly and allow for easy clean up.

*R Model scalpers do not have an aspiration system and utilize a single reel.



	R-2450	R/S-2450	R-2470	R/S-2472	R/S-24120	R-224
Length	80"	86-3/8"	74-1/4"	86-3/4"	125"	101-1/4"
Width	69"	68"	89"	90"	86 5/8"	84 3/4"
Height	65-3/4"	96"	68-5/8"	96"	96"	61-1/2"
Weight	2,250#	2,500#	3,500#	3,800#	5,000#	4,050#

Commodity	Soybeans BPH / MTH	Sunflowers BPH / MTH	Paddy Rice (dry) BPH / MTH	Paddy Rice (wet) BPH / MTH / CWT	Edible Beans (18-22% MC) BPH / MTH / CWT
Crippen Models R-2450 & R/S-2450					
5/8" mesh scalping reel	1645 / 44.8	1867 / 22.9	930 / 19.0	477 / 9.7 / 286	650 / 17.7 / 390
3/4" mesh scalping reel	2077 / 56.5	2357 / 28.9	1173 / 23.9	584 / 11.9 / 350	795 / 21.7 / 477
7/8" mesh scalping reel	2626 / 71.5	2975 / 36.5	1679 / 34.3	839 / 17.1 / 503	1142 / 31.2 / 685
Crippen Models R-2472 & R/S-2472					
5/8" mesh scalping reel	2314 / 63.0	2410 / 29.5	1567 / 32.0	784 / 16.0 / 470	1067 / 29.1 / 640
3/4" mesh scalping reel	3049 / 83.0	3146 / 38.5	1959 / 40.0	980 / 20.0 / 588	1333 / 36.4 / 800
7/8" mesh scalping reel	3673 / 100.0	3882 / 47.6	2988 / 61.0	1469 / 30.0 / 881	2000 / 54.5 / 1200
Crippen Model R/S 24120					
5/8" mesh scalping reel	3703 / 100.8	3856 / 47.2	2508 / 51.2	1254 / 25.6 / 752	1706 / 46.5 / 1024
3/4" mesh scalping reel	4878 / 132.8	5034 / 61.7	3135 / 64.0	1567 / 32.0 / 940	2133 / 58.2 / 1280
7/8" mesh scalping reel	5877 / 160.0	6212 / 76.1	4780 / 97.6	2351 / 48.0 / 1410	3200 / 87.3 / 1920
Crippen Model R-224 (2 Reels)					
5/8" mesh scalping reel	4628 / 126.0	4819 / 59.0	3135 / 64.0	1567 / 32.0 / 940	2133 / 58.2 / 1280
3/4" mesh scalping reel	6098 / 166.0	6292 / 77.1	3918 / 80.0	1959 / 40.0 / 1175	2666 / 72.7 / 1600
7/8" mesh scalping reel	7347 / 200.0	7765 / 95.1	5975 / 122.0	2939 / 60.0 / 1763	4000 / 109.1 / 2400

Note: Capacities may vary according to desired quality of finished product and moisture content of incoming product.

Crippen Manufacturing Company - U.S.A.

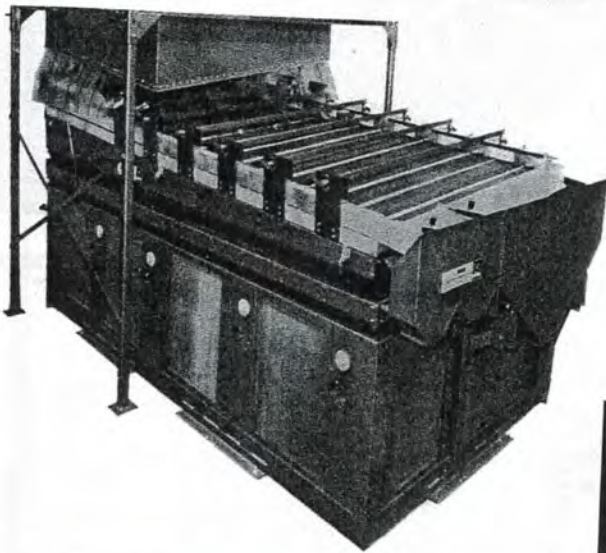
400 Woodside Dr. • St. Louis, Michigan 48880

Ph. (517) 681-4323 • USA Watts: 800-872-2474 • FAX (517) 681-3818

www.crippenmfg.com

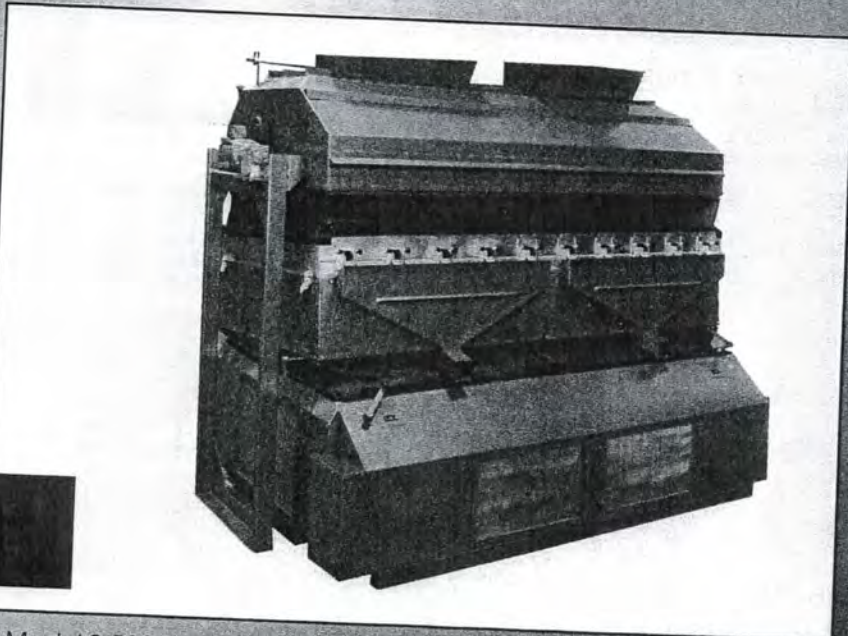


DENSITY SEPARATION EQUIPMENT



GRAVITY
SEPARATORS

Model G-7000 with 1/2 Hood

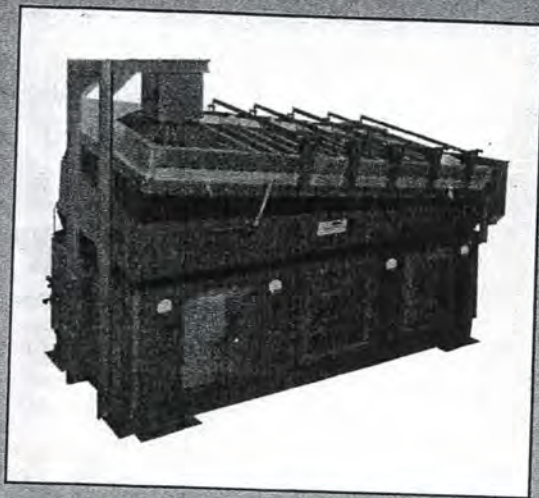


STONERS

Model S-5100 with Full Hood

CRIPPEN
MANUFACTURING
CORPORATION

..... *A New Age*



GRAVITY SEPARATORS

PREMIUM QUALITY SEPARATIONS

· UNEQUALED CAPACITIES

· HEAVY DUTY CONSTRUCTION

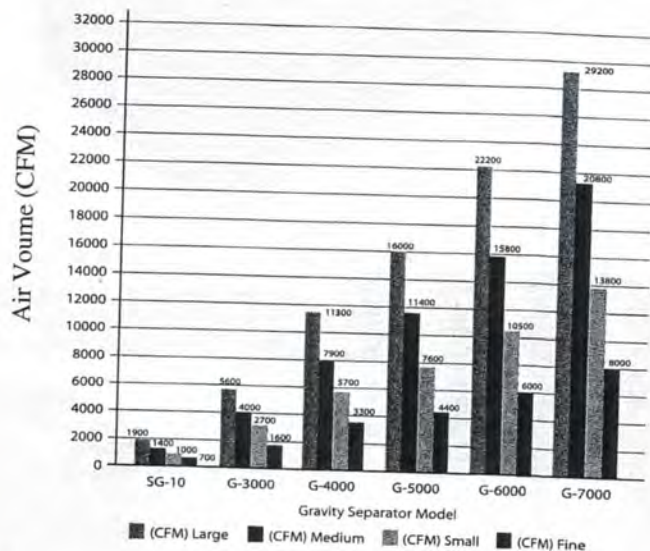
· OPERATOR FRIENDLY

CRIPPEN GRAVITY SEPARATORS are the finest available. When properly installed and operated, they will produce the world's most accurate separations.

Gravity Separators are capable of separating dry granular particles of uniform size which differ in specific gravity. They are employed throughout the seed industry to remove light undesirable seed from a wide variety of seed crops. Proper use of a CRIPPEN GRAVITY SEPARATOR will improve the overall quality of any seed lot.

Gravity Separators are also capable of producing excellent separations in a multitude of industrial applications. Whenever your product consists of dry granular, free flowing material, of uniform size and shape, our equipment can be employed to produce accurate grading relative to the specific gravity of individual particles.

Gravity Full Dust Hood Air Requirements



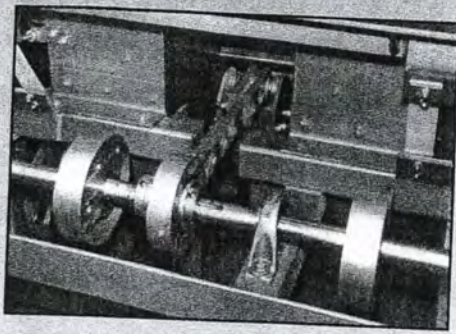
- * All CFM requirements are based on 1" WG @ hood outlet
- * Air Volumes values are based on full hoods, 1/2 hoods require 1/2 of listed volumes
- * Aspirating feeders require 1500 CFM (2545 m3/hr) for all models

CAPACITIES FOR CRIPPEN GRAVITY SEPARATORS

Models	Large 7/16" - 5/16" (Corn, Beans, etc.)	Medium 1/4" - 3/16" (Cereal Grains)	Small 3/16" - 1/16" (Millet, Sesame)	Fines > 50 Mesh (Glass, Clover)
SG-10	20-25 BPH (.6 MTPH)	15-20 BPH (.5 MTPH)	5-10 BPH (.18 MTPH)	1-5 BPH (.07 MTPH)
G-3000	60-75 BPH (1.7 MTPH)	45-70 BPH (1.4 MTPH)	30-40 BPH (.8 MTPH)	20-25 BPH (.6 MTPH)
G-4000	150-200 BPH (4.4 MTPH)	135-185 BPH (4.2 MTPH)	100-125 BPH (2.8 MTPH)	50-75 BPH (1.7 MTPH)
G-5000	225-275 BPH (6.8 MTPH)	200-250 BPH (6.1 MTPH)	135-175 BPH (3.3 MTPH)	70-105 BPH (2.5 MTPH)
G-6000	350-400 BPH (9.3 MTPH)	275-385 BPH (8.8 MTPH)	175-200 BPH (4.5 MTPH)	120-160 BPH (3.6 MTPH)
G-7000	500-750 BPH (18.1 MTPH)	400-600 BPH (13.7 MTPH)	250-375 BPH (8.7 MTPH)	165-200 BPH (4.5 MTPH)

Capacity is a function of two variables, the difference in density between the contamination and good product, and the desired results. The above capacities are a sincere projection and are based on results achieved in the field. For more accurate projections, we encourage you to provide us with a typical sample of incoming product and guidelines for the quality you want to achieve.

STANDARD FEATURES

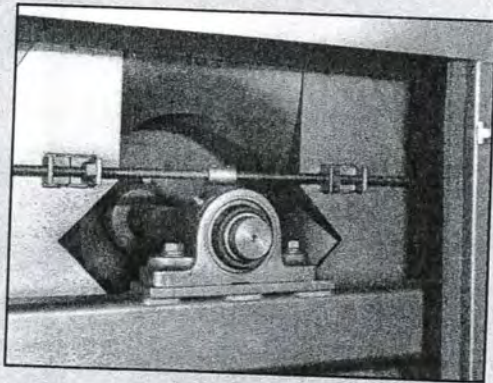
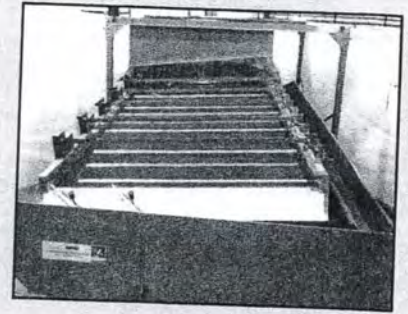


Feature: Active counter balance system and heavy duty steel frame.

Benefit: Well balanced machines produce more accurate separations, are more easily installed, and have a greater working life.

Feature: Gravity Separators utilize an aluminum rectangular deck configuration with tapered riffles and urethane coated overcover.

Benefit: This design produces the lowest percentage of "middlings" and the purest light and heavy fractions. Urethane adds traction and lasts much longer than standard steel mesh.



Feature: Backwardly inclined fans.

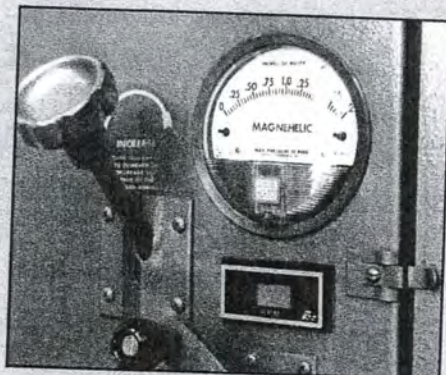
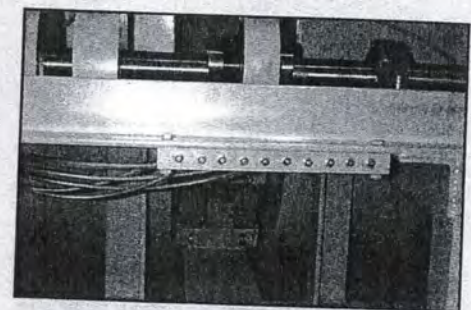
Benefit: Backwardly inclined fans produce more CFM per HP requirement at lower noise levels.

Feature: Gravity Separators have multiple independent fans with special "Iris" inlet.

Benefit: Independent fans supply precisely regulated amount of air flow to specific areas of the deck. The "Iris" inlet provides a more uniform air distribution.

Feature: Central grease console.

Benefit: Allows the operator to easily grease all bearings from a single location, saves time.

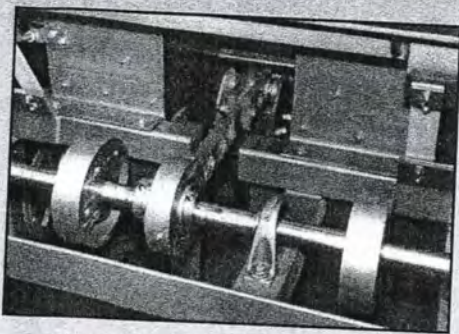


Feature: Tachometer for eccentric speed and individual gauges for monitoring each fan.

Benefit: Allow the operator to quickly and accurately adjust the unit and provide data for future reference.

All standard Gravity Tables and Stoners come equipped with the above features. Crippen also offers a "GZ" series specifically designed for customers who want an economical solution to their density separation equipment needs. The "GZ" units are equipped with a carbon steel overcover, active counter balance system, and do not include an indicator package.

STANDARD FEATURES

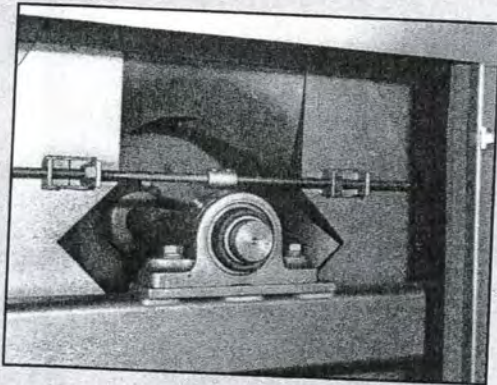
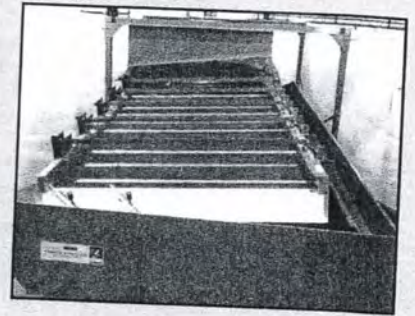


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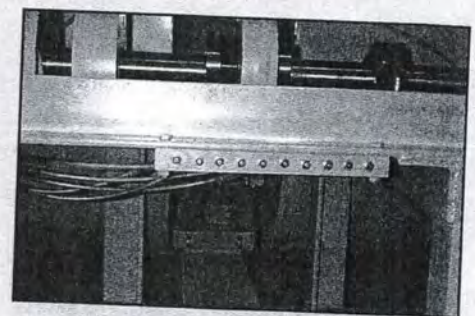
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Feature: Central grease console.

Benefit: Allows the operator to easily grease all bearings from a single location, saves time.



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General Specifications

Gravity Separators

Models	SG-10 (Stoner)	SG-10 (Gravity)	G-3000	G-4000	G-5000	G-6000	G-7000
Deck Area	2.5 ft2 (.23 m2)	3.1 ft2 (.29 m2)	12.9 ft2 (1.2 m2)	27.7 ft2 (2.6 m2)	38.2 ft2 (3.6 m2)	46.6 ft2 (4.3 m2)	68.9 ft2 (6.4 m2)
Deck Width	20" (51 cm)	14" (36 cm)	30" (76 cm)	43" (109 cm)	50" (127 cm)	56" (142 cm)	68" (172 cm)
Deck Length	25" (63 cm)	32" (81 cm)	62" (157 cm)	93" (236 cm)	110" (279 cm)	120" (305 cm)	146" (371 cm)
Fan Motor	1.5 HP (1.1 kw)	1.5 HP (1.1 kw)	5 HP (4 kw)	7.5 HP (5.5 kw)	10 HP (7.5 kw)	15 HP (12 kw)	15 HP (12 kw)
Eccentric Motor	.5 HP (.35 kw)	.5 HP (.37 kw)	1 HP (.75 kw)	1.5 HP (1.1 kw)	2 HP (1.5 kw)	2 HP (1.5 kw)	3HP (2.2 kw)
Blender Motor	N/A	N/A	N/A	N/A	N/A	N/A	1 HP (.75 kw)
Shipping weight	1400# (635 kg)	1400# (635 kg)	2500# (1140 kg)	4140# (1881 kg)	5400# (2449 kg)	6500# (2954 kg)	8300# (3775 kg)
Length	41" (104 cm)	41" (104 cm)	73" (186 cm)	109" (277 cm)	128" (325 cm)	132" (335 cm)	165" (419 cm)
Width	43" (109 cm)	43" (109 cm)	51" (130 cm)	67" (170 cm)	72" (183 cm)	74" (170 cm)	78" (198 cm)
Height	50" (127 cm)	50" (127 cm)	67" (170 cm)	74" (188 cm)	76" (193 cm)	78" (198 cm)	93" (236 cm)

Stoners

Models	S-420	S-430	S-530	S-540	S-560	S-5100	S-5200
Deck Area	8 ft2 (.74 m2)	12 ft2 (1.1 m2)	15 ft2 (1.4 m2)	22.5 ft2 (2.0 m2)	30 ft2 (2.8 m2)	50 ft2 (4.6 m2)	60 ft2 (5.6 m2)
Deck Width	27" (69 cm)	38" (97 cm)	40" (101 cm)	54" (137 cm)	72" (182 cm)	120" (304 cm)	144" (366 cm)
Deck Length	48" (122 cm)	48" (122 cm)	60" (152 cm)	60" (152 cm)	60" (152 cm)	60" (152 cm)	60" (152 cm)
Fan Motor	3 HP (2.25 kw)	5 HP (3.75 kw)	5 HP (3.75 kw)	5 HP (3.75 kw)	7.5 HP (5.7 kw)	15 HP (11.25 kw)	15 HP (11.25 kw)
Eccentric Motor	N/A	N/A	1 HP (.75 kw)	1 HP (.75 kw)	1.5 HP (1.2 kw)	2 HP (1.5 kw)	2 HP (1.5 kw)
Feed Motor	N/A	N/A	N/A	N/A	N/A	1 HP (.75 kw)	1 HP (.75 kw)
Shipping weight	1100# (500 kg)	1400# (635 kg)	2500# (1140 kg)	3050# (1386 kg)	5600# (2545 kg)	8000# (3636 kg)	9200# (4173 kg)
Length	56" (143 cm)	56" (143 cm)	63" (163 cm)	65" (165 cm)	69" (175 cm)	120" (307 cm)	150" (381 cm)
Width	39" (99 cm)	48" (121 cm)	54" (137 cm)	65" (165 cm)	83" (210 cm)	83" (210 cm)	83" (210 cm)
Height	60" (152 cm)	60" (152 cm)	76" (193 cm)	85" (215 cm)	94" (238 cm)	94" (238 cm)	96" (244 cm)

Crippen Manufacturing Company - U.S.A.

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STONERS

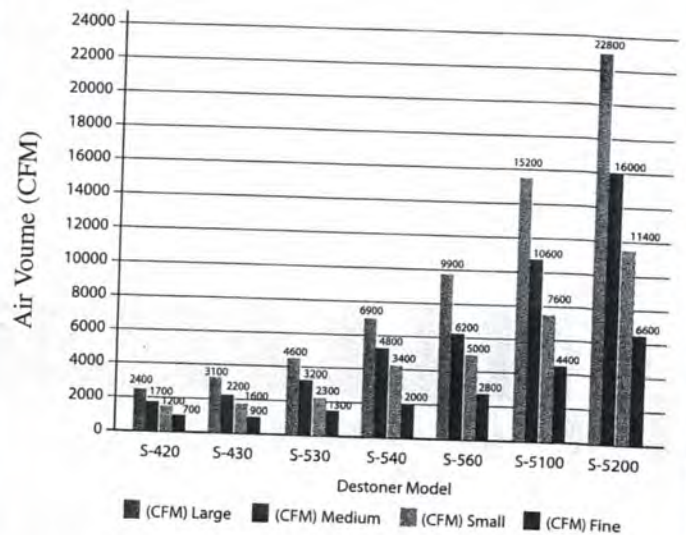
- PREMIUM QUALITY SEPARATIONS
- UNEQUALED CAPACITIES
- HEAVY DUTY CONSTRUCTION
- OPERATOR FRIENDLY

The finest available, CRIPPEN STONERS, produce world class density separations.

Stoners are capable of separating dry granular particles of uniform size which differ in specific gravity. They are applicable whenever you wish to remove a small amount of heavy contamination from the desired product. A typical application is removing stones, mud balls, glass and tramp metal (ferrous and nonferrous) from edible beans and rice.

Stoners can also be used in a wide variety of industrial applications. Whenever your product consists of dry granular, free flowing material, of uniform size and shape, our equipment can be employed to remove any particles which have a greater specific density than the desired product.

Stoner Full Dust Hood Air Requirements



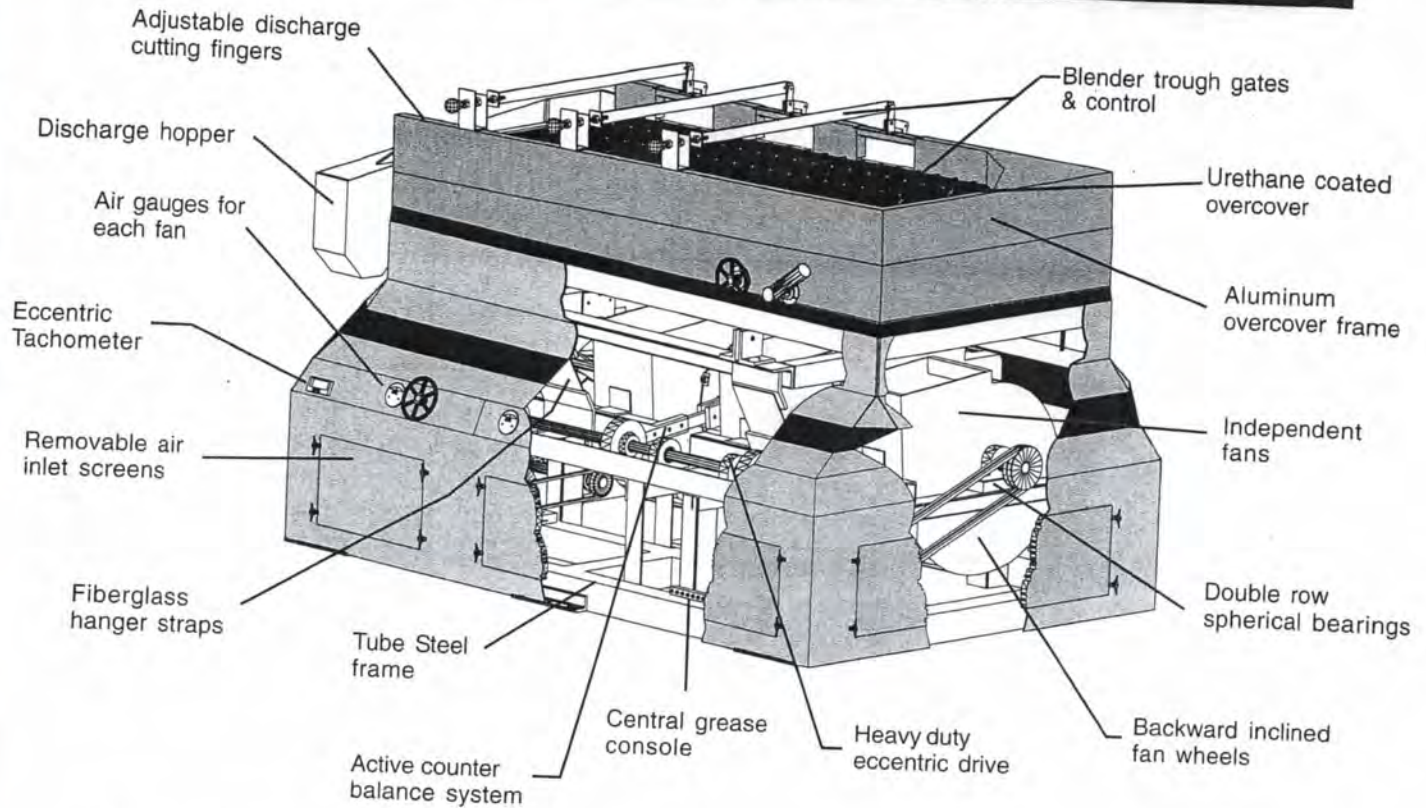
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CAPACITIES FOR CRIPPEN STONERS

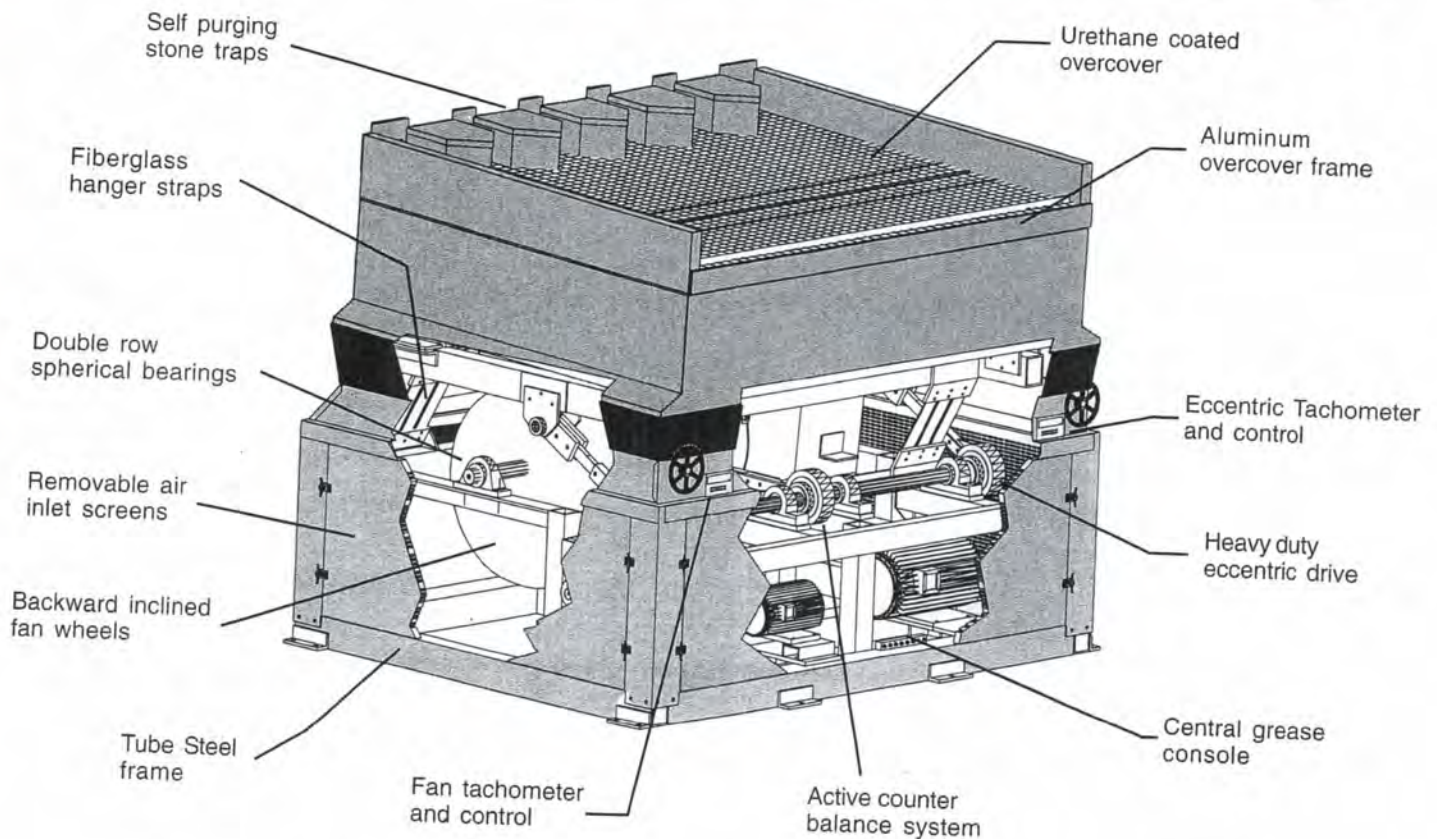
Models	Large 7/16" - 5/16" (Corn, Beans, etc.)	Medium 1/4" - 3/16" (Cereal Grains)	Small 3/16" - 1/16" (Millet, Sesame)	Fines > 50 Mesh (Glass, Clover)
SG-10	25-30 BPH (.68 MTPH)	15-25 BPH (.55 MTPH)	10-20 BPH (.3 MTPH)	5-10 BPH (.1 MTPH)
S-420	90-130 BPH (3 MTPH)	60-95 BPH (2.1 MTPH)	35-60 BPH (1.2 MTPH)	20-25 BPH (.6 MTPH)
S-430	120-175 BPH (4.1 MTPH)	85-125 BPH (3 MTPH)	50-80 BPH (1.8 MTPH)	25-30 BPH (.65 MTPH)
S-530	175-250 BPH (5.5 MTPH)	125-180 BPH (4.4 MTPH)	70-105 BPH (2.5 MTPH)	35-45 BPH (1 MTPH)
S-540	220-325 BPH (7.5 MTPH)	160-230 BPH (5.4 MTPH)	85-125 BPH (3 MTPH)	40-60 BPH (1.4 MTPH)
S-560	330-500 BPH (11.2 MTPH)	240-360 BPH (8.2 MTPH)	130-195 BPH (4.6 MTPH)	55-85 BPH (2 MTPH)
S-5100	550-850 BPH (20 MTPH)	390-610 BPH (15 MTPH)	220-335 BPH (8.2 MTPH)	100-145 BPH (3.5 MTPH)
S-5200	660-1020 BPH (23 MTPH)	470-730 BPH (14 MTPH)	265-400 BPH (9.3 MTPH)	120-175 BPH (4 MTPH)

Capacity is a function of two variables, the difference in density between the contamination and good product, and the desired results. The above capacities are a sincere projection and are based on results achieved in the field. For more accurate projections, we encourage you to provide us with a typical sample of incoming product and guidelines for the quality you want to achieve.

GRAVITY SEPARATORS



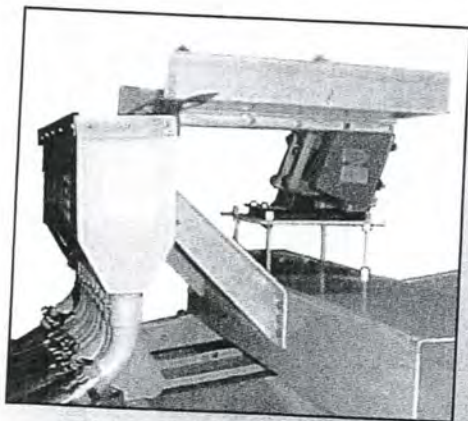
STONERS



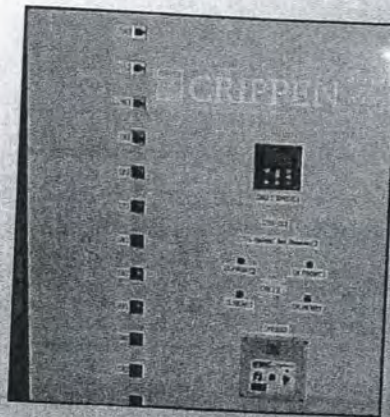
"Triu-Sphere" Belt Separator



MODEL TS-12 BELT SEPARATOR



VIBRATORY FEED HOPPER



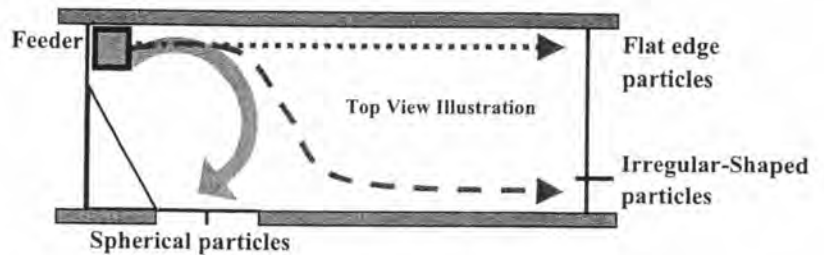
CENTRAL CONTROL CONSOLE



CR-ALWZ SZZDUAOH-CR-20 005A4Z

CRIPPEN "TRU-SPHERE" BELT SEPARATOR FEATURES

Crippen's Tru-Sphere Belt Separator provides a unique separation according to shape of product. Spherical shaped particles are separated from non-spherical particles with the use of special pitched conveying belts. Unit provides a uniform feed to each belt with an adjustable vibratory feed system. Spherical shaped particles roll towards the lower end of the conveying belt where strategically located discharge spouts with cutting fingers adjust the amount of product being directed to the discharge area. The irregular shaped particles travel beyond the discharge area to the rail side and are carried to a special discharge. Particles with flat edges (splits, stones, mud balls, etc.) upon introduction to the belt, will lie down and travel to the end of the belt into a separate discharge. A typical separation would be edible soybeans for markets where a uniform shaped product is preferred.

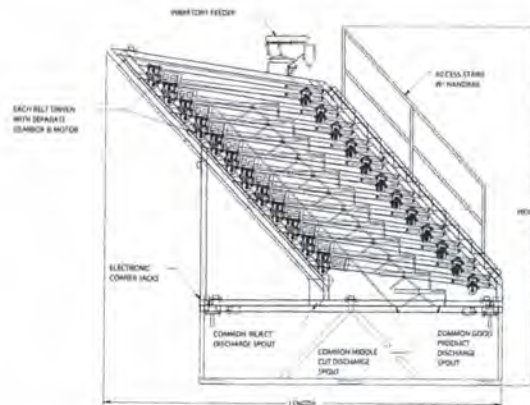


- Multiple 39" wide x 79" long sorting belts with integral curvature to increase the separation efficiency
- 4" diameter crowned head and tail pulleys
- Multiple right-angled direct gearbox drives with 1/2HP TEFC motor for independent belt drives
- AC variable speed controller to simultaneously adjust speed of all sorting belts
- Electric gear motors to adjust four (4) corner slope & tilt settings
- Control panel with individual ON/OFF switches for sorting belts, and toggle switches to adjust four (4) corner electric gear motors for tilt and slope
- Adjustable belt take up system at tail pulleys
- Electronic vibratory feeder with rheostat
- Product distribution manifold with multiple smooth wall feed tubes
- Individual adjustable feed gate for each individual belt
- "Continuous" belts to provide seamless operation
- Adjustable cutter knives to divide good product and rerun product; including hand wheel and position indicators
- Common "Good product" discharge spouting package
- Common "Middle Cut" product discharge spouting package
- Common "Reject" product discharge chute
- Stairway to allow access for cutter knife adjustment & maintenance

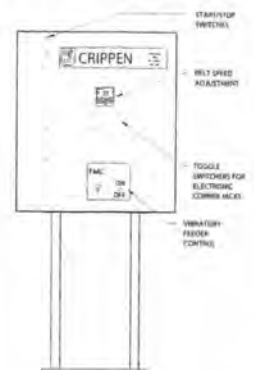
CRIPPEN TRU-SPHERE

	TS-4	TS-8	TS-12
LENGTH	157-7/16"	174-1/8"	206-1/8"
	3998 mm	4423 mm	5235 mm
WIDTH	61-1/8"	61-1/8"	61-1/8"
	1552 mm	1552 mm	1552 mm
HEIGHT	108-3/4"	147-1/8"	181-3/16"
	2762 mm	3737 mm	4602 mm
WEIGHT	5,100 lbs.	6,800 lbs.	8,500 lbs.
	2313 Kg	3084 Kg	3855 Kg

MODEL TS-12



CONTROL PANEL



Models:	Capacity: Based on Soybeans	Motors
TS-4, Four Belt Unit	70 - 80 BPH 1.9 - 2.1 MTPH	Four (4) - 1/2 HP Motors
TS-8, Eight Belt Unit	130 - 160 BPH 3.5 - 4.3 MTPH	Eight (8) - 1/2 HP Motors
TS-12, Twelve Belt Unit	200 - 240 BPH 5.4 - 6.5 MTPH	Twelve (12) - 1/2 HP Motors



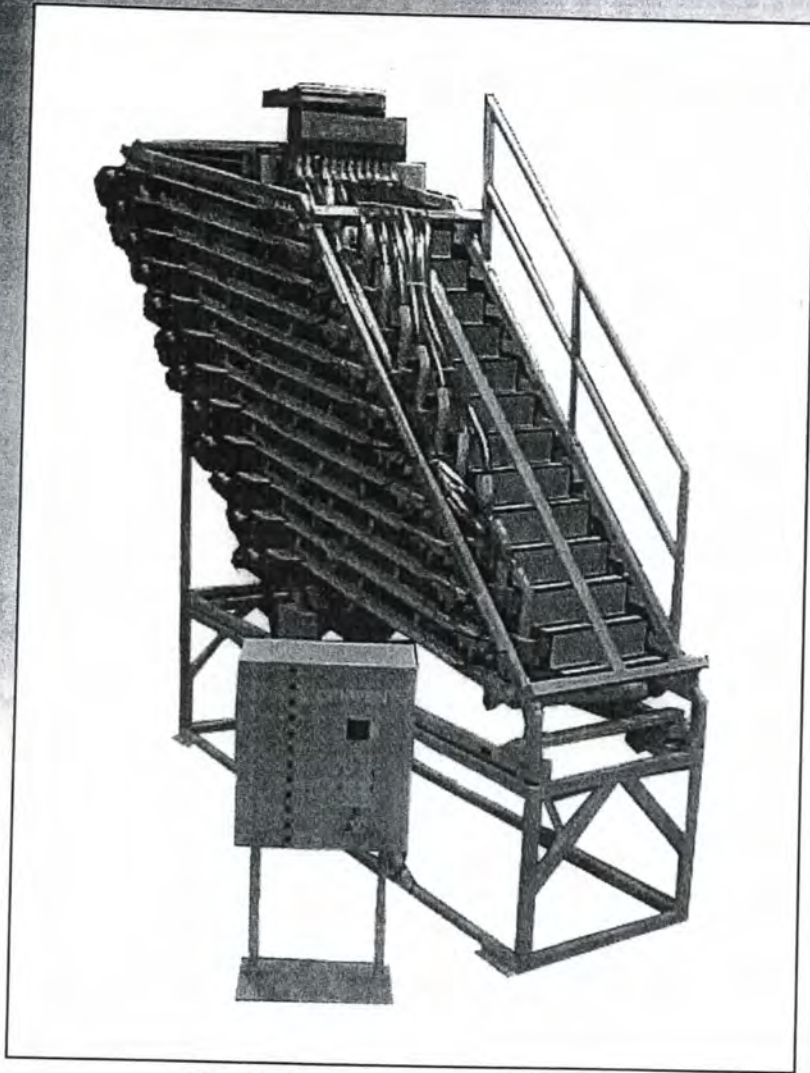
CRIPPEN MANUFACTURING COMPANY - U.S.A

St. Louis, Michigan 48880

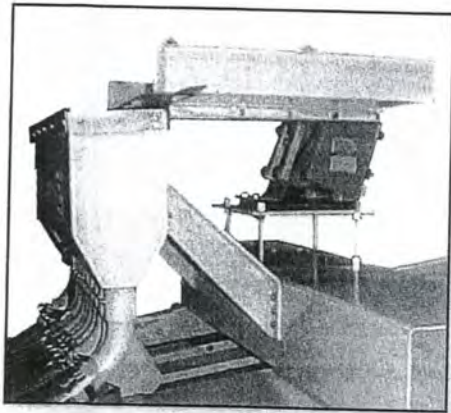
PHONE: (989) 681-4323 * FAX: (989) 681-3818

USA WATS: (800) 872-2474

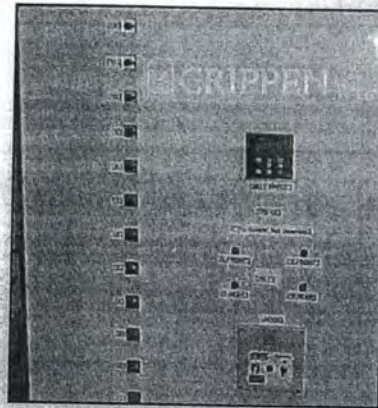
"Tru-Sphere" Belt Separator



MODEL TS-12 BELT SEPARATOR



VIBRATORY FEED HOPPER

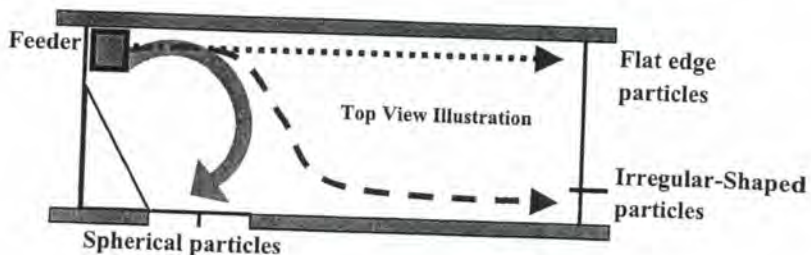


CENTRAL CONTROL CONSOLE

CRIPPEN
CORPORATION
1000 WEST 10TH AVENUE
DENVER, COLORADO 80202

CRIPPEN "TRU-SPHERE" BELT SEPARATOR FEATURES

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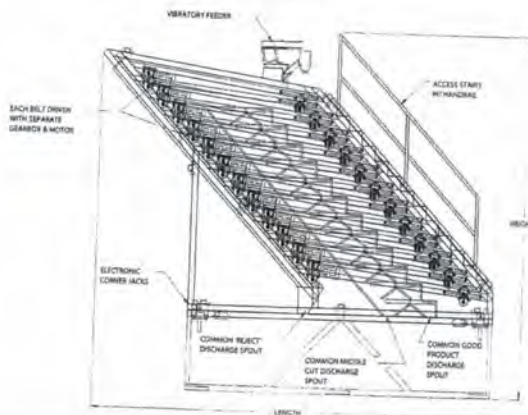
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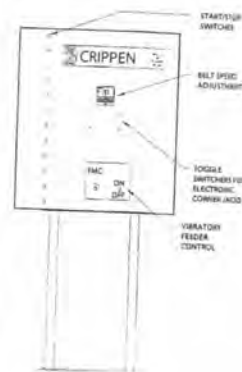
CRIPPEN TRU-SPHERE

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	2313 Kg	3084 Kg	3855 Kg

MODEL TS-12



CONTROL PANEL



Models:

TS-4, Four Belt Unit

Capacity: Based on Soybeans

TS-8, Eight Belt Unit

TS-12, Twelve Belt Unit

70 - 80 BPH

130 - 160 BPH

200 - 240 BPH

1.9 - 2.1 MTPH

3.5 - 4.3 MTPH

5.4 - 6.5 MTPH

Motors

Four (4) - 1/2 HP Motors

Eight (8) - 1/2 HP Motors

Twelve (12) - 1/2 HP Motors



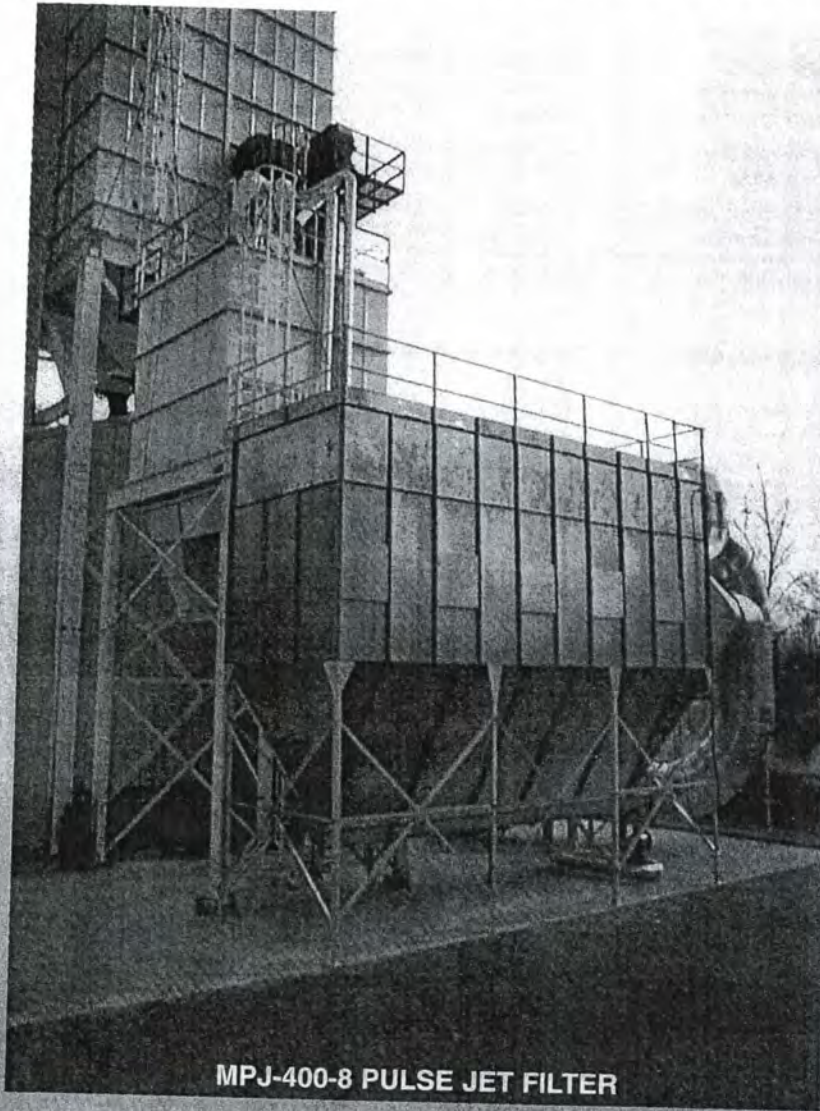
CRIPPEN MANUFACTURING COMPANY - U.S.A

St. Louis, Michigan 48880

PHONE: (989) 681-4323 * FAX: (989) 681-3818

USA WATS: (800) 872-2474

"MPJ" PULSE JET FILTRER SYSTEMS



MPJ-400-8 PULSE JET FILTER



GOYEN CLEANING CONTROL TIMER



STANDARD BLOW TUBE INSTALLATION

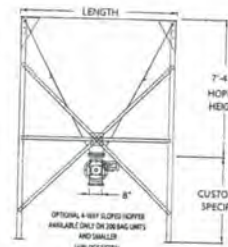
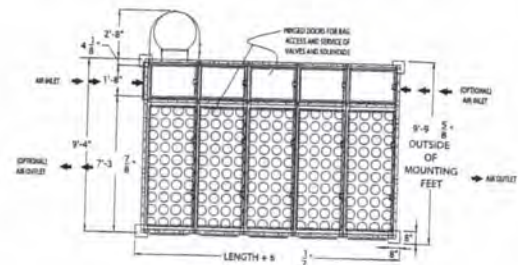
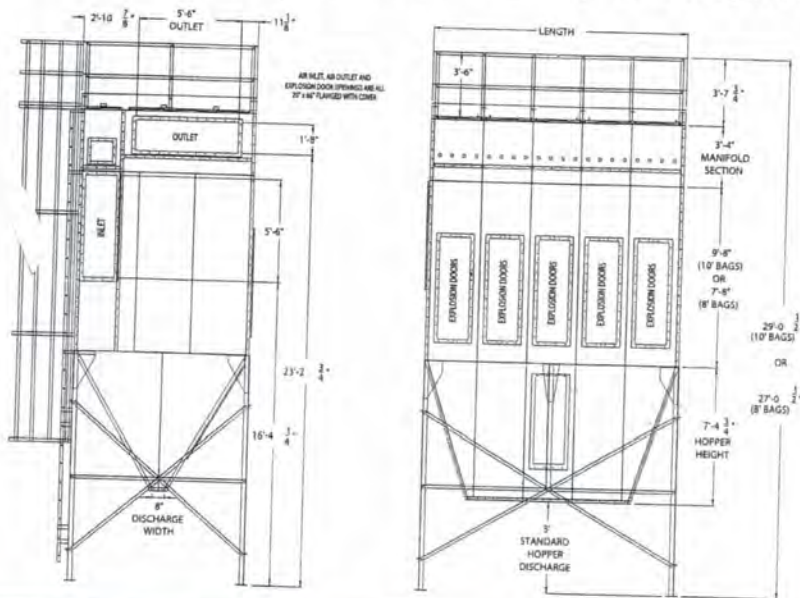


CRIPPEN
CORPORATION
2000 W. 100th St.
Cincinnati, OH 45241
Tel: (513) 752-1000
Fax: (513) 752-1001

... A New Age

CRIPPEN "MPJ" PULSE JET FILTER FEATURES

- Galvanized "bolt-together" modular construction using 12 gauge panels; allows for future expansion of the unit
- Digital Controller with the option of "On Demand" or "Continuous Timer" cleaning modes; controller includes surge protection and is housed in a NEMA 4X enclosure
- Magnahelic pressure gauge with continuous pressure drop display & settings for high & low pressure drop settings for "On Demand" cleaning mode
- Automatic "Blow-Down" feature enables the controller to be programmed to operate the cleaning cycle from 0 to 25 times after the collector fan has been shut down
- Heavy 16 oz. Singed polyester filter bags with snap bands and up to 99.9% cleaning efficiency on particle sizes down to 1 micron
- Optional 10" Ø augers for two-way sloped hopper discharges with gear reducer drives, or common auger/airlock gear reducer drive
- Standard explosion relief panels with safety chains on each 40 bag module
- Automatic header manifold tank drain valve to automatically discharge any moisture collected in the header manifold tank once every cleaning cycle
- Goyen "high quality" components including digital controllers, diaphragm valves, remote pilot valves, aluminum bulk head connectors, & automatic tank drain
- Safety-caged access ladder to filter top with perimeter hand rail for easy, safe access to "top removal" filter bags & galvanized bag cages
- Standard two-way 60° sloped hoppers with optional 4-way hoppers available up to the MPJ-200 Series
- Optional 8" Ø and 10" Ø "rubber-tipped" airlocks with direct gear reducer drives & 3/60/230-460V TEFC motors
- Crippen can offer complete air system engineering & design services, including fan sizing, air pipe sizing, air pipe layout, installation drawings, etc.
- Crippen can supply all equipment & materials required to complete the installation, including fans, air piping, connectors, etc.



MPJ MODEL	LENGTH
MPJ-40	3'-0"
MPJ-80	5'-8"
MPJ-120	8'-4"
MPJ-160	11'-0"
MPJ-200	13'-8"
MPJ-240	16'-4"
MPJ-280	19'-0"
MPJ-320	21'-8"
MPJ-360	24'-4"
MPJ-400	27'-0"

Model Number	Number of Bags	Bag Length	Cloth Area (Square Feet)	CFM Capacity 8:1 A/C Ratio	CFM Capacity 10:1 A/C Ratio	CFM Capacity 12:1 A/C Ratio	Req. SCFM of Air @ 90 PSI	Length Dimension
MPJ-40-8	40	96"	492	3,936 CFM	4,920 CFM	5,904 CFM	7 to 8	3'-0"
MPJ-40-10	40	120"	615	4,920 CFM	6,150 CFM	7,380 CFM	8 to 10	3'-0"
MPJ-80-8	80	96"	984	7,872 CFM	9,840 CFM	11,808 CFM	13 to 16	5'-8"
MPJ-80-10	80	120"	1230	9,840 CFM	12,300 CFM	14,760 CFM	15 to 20	5'-8"
MPJ-120-8	120	96"	1476	11,808 CFM	14,760 CFM	17,712 CFM	18 to 26	8'-4"
MPJ-120-10	120	120"	1846	14,760 CFM	18,460 CFM	22,152 CFM	22 to 30	8'-4"
MPJ-160-8	160	96"	1968	15,744 CFM	19,680 CFM	23,616 CFM	25 to 36	11'-0"
MPJ-160-10	160	120"	2460	19,680 CFM	24,600 CFM	29,520 CFM	28 to 39	11'-0"
MPJ-200-8	200	96"	2460	19,680 CFM	24,600 CFM	29,520 CFM	33 to 45	13'-8"
MPJ-200-10	200	120"	3076	24,600 CFM	30,760 CFM	36,912 CFM	36 to 49	13'-8"
MPJ-240-8	240	96"	2952	23,616 CFM	29,520 CFM	35,424 CFM	39 to 52	16'-4"
MPJ-240-10	240	120"	3690	29,520 CFM	36,900 CFM	44,280 CFM	43 to 60	16'-4"
MPJ-280-8	280	96"	3444	27,552 CFM	34,440 CFM	41,328 CFM	46 to 65	19'-0"
MPJ-280-10	280	120"	4306	34,440 CFM	43,060 CFM	51,672 CFM	50 to 70	19'-0"
MPJ-320-8	320	96"	3936	31,488 CFM	39,360 CFM	47,232 CFM	52 to 72	21'-8"
MPJ-320-10	320	120"	4922	39,360 CFM	49,220 CFM	59,064 CFM	57 to 80	21'-8"
MPJ-360-8	360	96"	4428	35,424 CFM	44,280 CFM	53,136 CFM	56 to 82	24'-4"
MPJ-360-10	360	120"	5537	44,280 CFM	55,370 CFM	66,444 CFM	62 to 90	24'-4"
MPJ-400-8	400	96"	4920	39,360 CFM	49,200 CFM	59,040 CFM	63 to 92	27'-0"
MPJ-400-10	400	120"	6152	49,200 CFM	61,520 CFM	73,824 CFM	68 to 100	27'-0"



CRIPPEN MANUFACTURING COMPANY - U.S.A.

St. Louis, Michigan 48880

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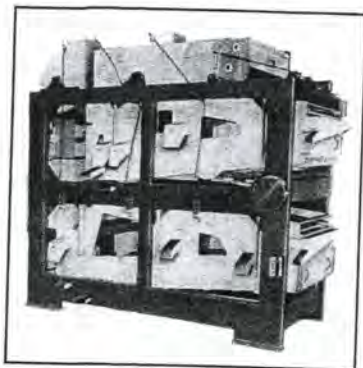
Crippen Mfg. Co.



Mailing address: P.O. Box 128, Alma, MI 48801

Plant address: 400 Woodside Drive, St. Louis, MI 48880

Phone 989-681-4323 • Fax 989-681-3818 • USA WATS 800-872-2474



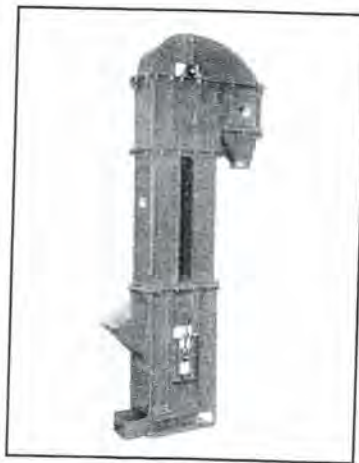
Cleaners . . .

Crippen air screen cleaners for virtually every cleaning application. Capacity ranges from 15 to 10,000 bushel per hour. Pre-cleaners with integral reel scalpers for high moisture, high capacity applications. Commercial Grain Air/Screen Cleaners with maximum sifting area for high tolerance grain cleaning applications. Precision Cleaners with multiple flow configuration and up to three individual air systems. Mobile Seed Cleaners for on site cleaning.



Density Separation Equipment . . .

Crippen Density Separators offer the best quality separations at any capacity. No longer is it necessary to sacrifice quality of separation for higher capacities. Crippen unique deck configurations and refined air control make it possible to achieve the ultimate separations at the highest capacities. All Crippen Density Separators feature tachometers, air flow gauges, urethane coated over-covers, rugged tubular steel frame construction and precise dynamic counter-balancing as standard equipment. Find out why Crippen Density Separators are becoming the industry standard, contact our factory today.



Conveying Equipment . . .

Bucket elevators ranging in capacity from 160 to 3,000 bushel per hour for your gentle handling requirements. Capacities ranging from 1,500 to 40,000 bushel per hour for the high capacity applications. Heavy duty constructions include painted inside and out, galvanized, hot dipped galvanized, and stainless steel to satisfy all your conveying needs.

Belt conveyors designs include self cleaning slider bed and roller bed construction. Our capacity ranges are from 100 to 5,000 bushels per hour, and feature smooth top crescent top belting.

Vibratory conveyors, vibratory sifters, and scalper are available for all your gentle handling needs. Different degree of slopes are available depending on the application.



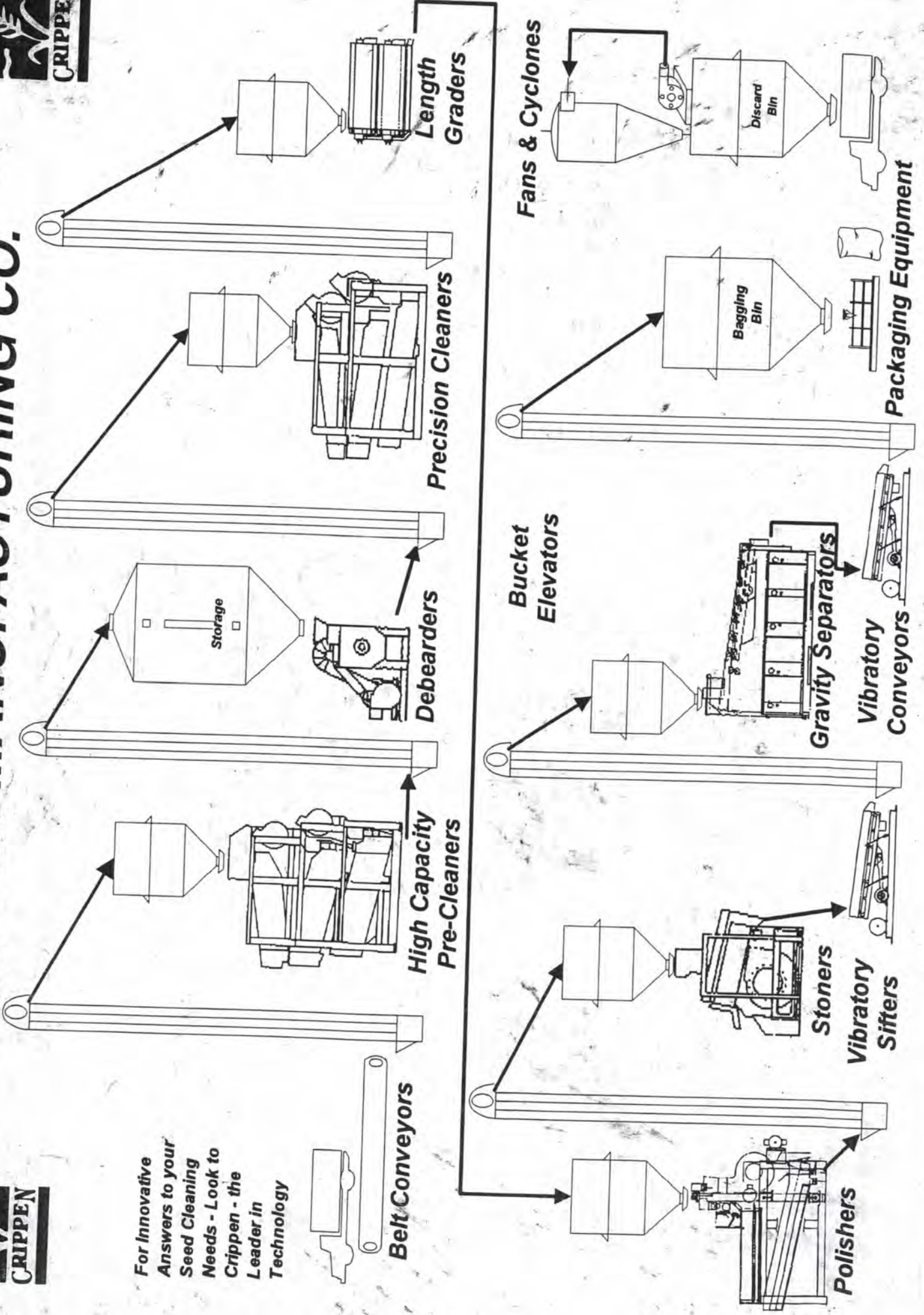
Plant Layout & Design . . .

Crippen Manufacturing has a full-time System Technician on staff and welcomes the opportunity to work with you on any project. We can offer the entire plant layout design or assist with any portion of the project. By working with our worldwide sales network, local millwrights and contractors, Crippen Manufacturing has been very successful at providing our customer the best service and equipment available. When Crippen is actively involved with the project we can insure that the optimum units (both capacity and performance) are installed in the proper sequence and that the facility will operate at optimum efficiency. Contact us and take advantage of this valuable service. Crippen Manufacturing is dedicated to customer satisfaction and by working together we can insure that you receive the most for your equipment expenditures.

CRIPPEN MANUFACTURING CO.



For Innovative
Answers to your
Seed Cleaning
Needs - Look to
Crippen - the
Leader in
Technology



SPECIFICATIONS

Series	I	II	III	IV	V	VI	VII	VIII
Capacity @ water level cup fill	160 to 400 BPH	325 to 790 BPH	470 to 1,235 BPH	700 to 1,460 BPH	1,045 to 2,160 BPH	1,550 to 3,000 BPH	2,000 to 2,400 BPH	3000 BPH
Cubic Feet Per Hour	200 to 500 CFH	406 to 988 CFH	588 to 1,544 CFH	875 to 1,825 CFH	1,306 to 2,700 CFH	1,938 to 3,750 CFH	2,500 to 3,000 CFH	3750 CFH
Belt Speed FPM	103 Slow Speed 316 High Speed	110 268	123 Slow Speed 319 High Speed	153 318	153 Slow Speed 318 High Speed	182 356	182 Slow Speed	182 Slow Speed
Head Shaft RPM	75 Slow Speed 230 High Speed	80 195	75 Slow Speed 195 High Speed	70 145	70 Slow Speed 145 High Speed	67 110	67 Slow Speed	67 Slow Speed
Bucket Size	4" x 3" 4 1/4" x 3 1/2"	5" x 4" 5 1/4" x 4 1/2"	6" x 4" 6 1/4" x 4 5/8"	7" x 4" 7 5/16" x 4 5/8"	8" x 5" 8 1/8" x 5 3/4"	10" x 5" 10 1/8" x 5 3/4"	(2) 8" x 5" 8 1/8" x 5 3/4"	(2) 10" x 5" 10 1/8" x 5 3/4"
Bucket Spacing	3 1/4"	4"	4"	4"	4 1/2"	4 1/2"	5 1/2" or 4 1/2" Staggered	4 1/2" Staggered
Pulley Diameter	5 1/4"	5 1/4"	6 1/4"	8 3/8"	8 3/8"	10 3/8"	10 3/8"	10 3/8"
Head & Boot Construction	14	12	12	12	12	12	12	10
Legging Construction	14	14	14	14	14	14	14	14

Standard Features:

- Polyethylene Buckets • Two Piece Split Bonnet • Lagged Head Pulleys • Wing Grain Saver Boot Pulleys • Flanged Discharge Transition • All Seam Welded Legging For Dust and Weatherproof Seal • Regreasable Roller Bearings • UHMW Lined Adjustable Deflector Plate • Inspection Doors Located At Discharge And On Up Leg, Inside And Out For Easy Access • Interchangeable Tapered Inlet Hopper With Bolt On Cover For Opposite Side • All Jigged Construction For Quick Assembly • Pre-punched PVC Belting • Mild Steel, G-90 Galvanized, Hot Dipped Galvanized, And Stainless Steel Construction Available • Capacities Are Calculated @ Water Level Cup Fill • Special Inquiries Encouraged • Complete Line Of Accessories Available •

CRIPPEN MFG. CO.

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 Phone: (517) 681-4323 • Fax: (517) 681-3818

