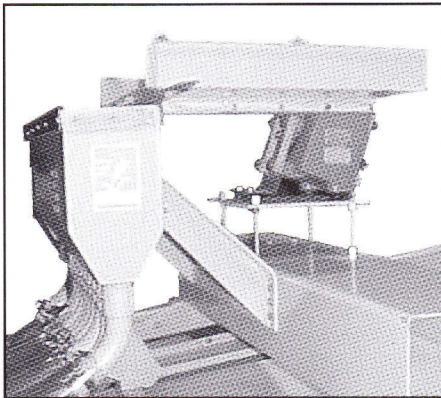


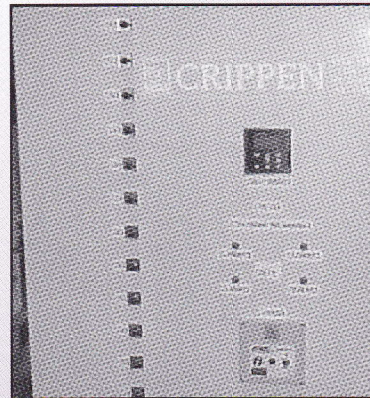
# "Tru-Sphere" Belt Separator



MODEL TS-12 BELT SEPARATOR



VIBRATORY FEED HOPPER



CENTRAL CONTROL CONSOLE



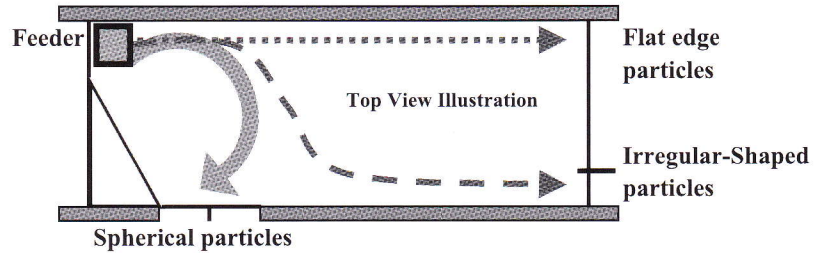
**CRIPPEN**

CRIPPEN  
MANUFACTURING  
CORPORATION



# 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.

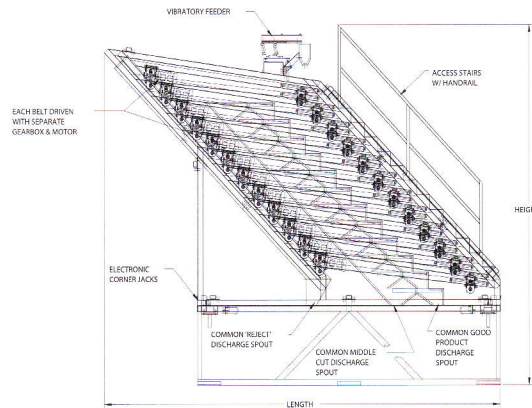


- Multiple 39" wide x 79" long sorting belts with integral curvature to increase the separation efficiency
- 4" diameter crowned head and tail pulleys
- Multiple right-angled direct gearbox drives with 1/2HP TEFC motor for independent belt drives
- AC variable speed controller to simultaneously adjust 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

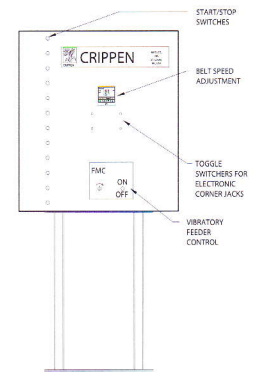
## CRIPPEN TRU-SPHERE

	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



<u>Models:</u>	<u>Capacity: Based on Soybeans</u>		<u>Motors</u>
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 HPMotors



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