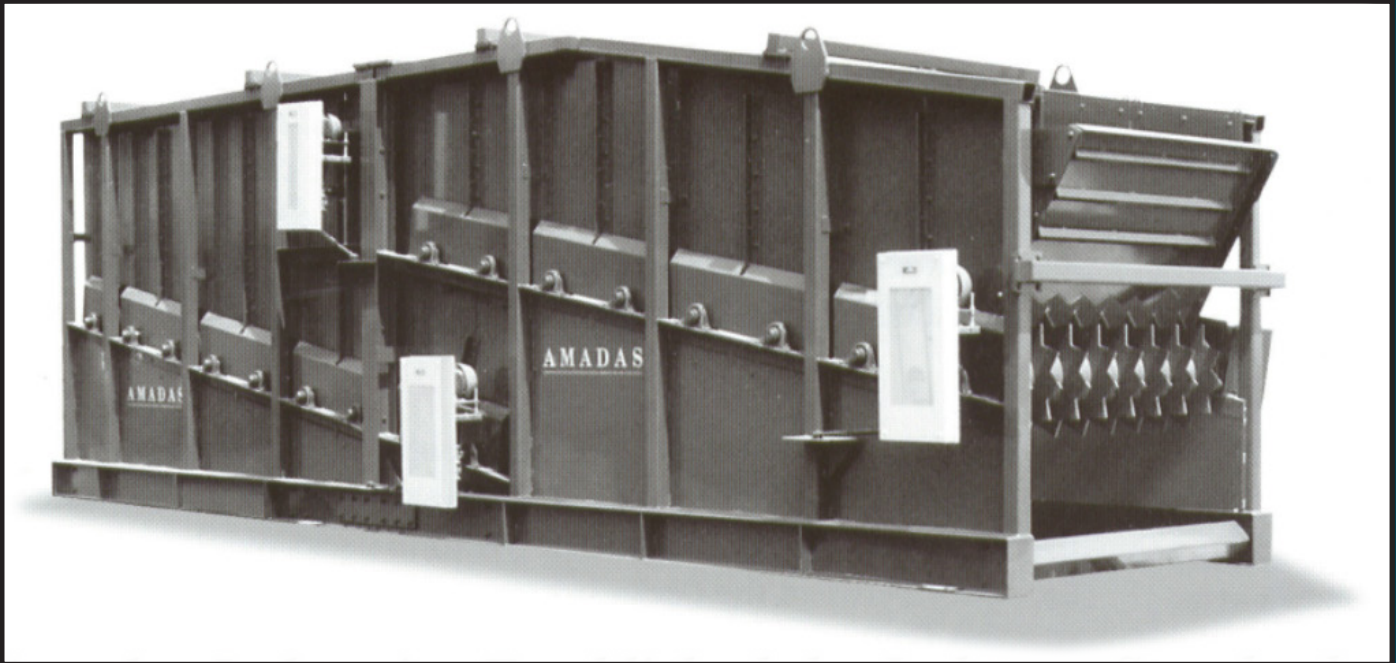




## *Model DS-72-18 OCC Star Disc Separation System*



The AMADAS Model DS-72-18 OCC Star Disc Separation System will reduce labor and overall operational costs while increasing throughput and production efficiency through the utilization of a dynamic new approach to function, serviceability, material flow, productivity, and safety.

Engineered and built for high production and dependable service, the Amadas OCC Star Disc Separator is designed to positively sort OCC from an institutional/commercial office waste stream. This is accomplished by infeeding the waste stream into the high agitation Star Disc Separator allowing office paper and other small miscellaneous contaminants to negatively separate from the larger, more rigid pieces of OCC to be carried over the top through to the discharge of the system.

Having designed and manufactured well in excess of 1000 disc separation systems currently in operation worldwide, in varied applications, we are confident that our knowledge and experience will result in our providing you with a system that will achieve your objectives.

Increased production capacity, improved reliability, enhanced maintenance and service features, increased performance efficiency—all this and more from the company committed to your continued success...**Amadas Industries.**

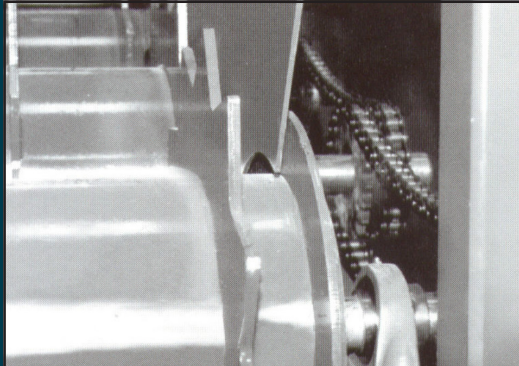


**AMERICAN MADE ★ ADVANCED DESIGN ★ ABSOLUTE SERVICE**

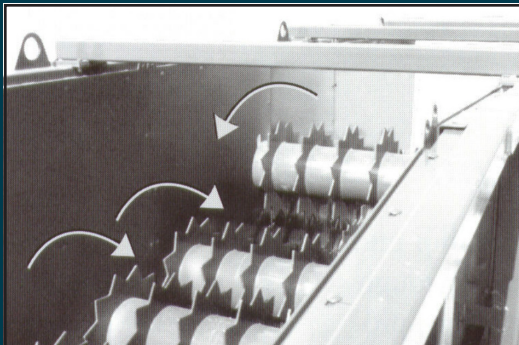


# Model DS-72-18 OCC Star Disc Separation System

## SPECIFICATIONS



The rotor shaft bearings are protected from possible damage by a unique design feature which provides an outer ring shield mounted on each rotor and located on the outside of the sidewall liners.



**EXCLUSIVE FEATURE:** An independently driven, adjustable "reversing" rotor integrated into the design at the transition point between the two main separation platform decks of the split-level design enhances separation by providing forced, aggressive turning and tumbling of material. This is extremely effective on large pieces of OCC. This rotor is vertically adjustable plus/minus 6".

### Structure

The system is comprised of a Star Disc Separation System integrated into a support with a heavy-duty main base frame constructed of 12" I-Beams. The reinforced side frames are constructed of structural steel tubing and cut and formed 3/8" plate steel. The sidewall liners are constructed from 1/4" steel plate and are bolted in place. Lifting eyes are provided for convenience in installation.

### Separation System

The system consists of two main separation platform decks, each inclined at a ten degree angle and integrated into the reinforced side frames in a split-level design. The platform decks overlap each other and the space between the docks is completely open to allow a free, unobstructed flow of material through the transition point between the two decks.

The system is equipped with eighteen rotors. Each rotor is fitted with custom designed, "STAR" profile discs for high agitation in OCC and constructed of 1/2" plate steel.

### Drives

Each of the two main separation platform decks is independently driven with a 7.5 HP TEFC, 3 Phase electric motor shaft mounted to a Dodge 25:1 heavy-duty gear reducer and a chain final drive to all rotors. When integrated with PLC controls and inverter drives (optional), each platform deck is capable of independent variable frequency drive and programmable for automatic over current reverse, anti-jam protection.

The exclusive "reversing" rotor is independently driven with a 2 HPTEFC, 3 Phase electric motor shaft mounted to a Dodge 25:1 heavy-duty gear reducer.

### Production Capacity

Several models are available with capacities up to 40 tons per hour.

### Options

- Inverter Drive Units, for variable frequency electric speed control.
- Abrasion-Resistant Plate for removable liners and discs.
- Custom widths, lengths, and "IFO" openings.
- Custom designed alternative disc profiles.
- Custom designed and fabricated stand and support structures.

### Dimensions

- Overall Width - 9'6"
- Overall Length - 33'9"
- Overall Height - 10'11"
- Inside Working Width - 6'0"
- Approximate Total Weight - 32,000 lbs.

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