



# Elgin Separation™

## Quality Low-Speed Decanter Centrifuges

### Key Features and Benefits



Four Stainless Epicentric Liquid-End Discharge Ports



Heavy-Duty Pillow Blocks with Premium Bearings



Four Wide-Mouth Solids-End Discharge Ports



SA-69 Gear Box with 80:1 or 140:1 Ratio

### Quality, Innovation, and Performance

As an original equipment manufacturer of decanter centrifuges, Astec | Elgin Separation knows how important quality design and manufacturing is to our customers. Utilizing high efficiency motors, precision bearings housed in heavy-duty pillow blocks, SA-69 premium gearboxes, stainless-steel epicentric liquid-end ports, and wide-mouth tungsten or ceramic-lined discharge ports, you can be rest assured Elgin centrifuges provide consistent performance for all your solids control needs.

Astec | Elgin Separation has installed facilities focused on repairing and refurbishing decanter centrifuges. Servicing the food rendering industry, we have developed a team of professionals specialized in working on Bird™ style centrifuges along with every other major manufacture in the industry. With a combined experience of over 50 years, Astec is your one-stop-shop for all repair, refurbish, and spare part needs.

| Model Number       | Apex 1842BD™   | Apex 1850BD™  | Apex 2438BD™   | Apex 2460BD™   |
|--------------------|--|---|--|--|
| Equipment Image    |  |  |  |  |
| Maximum G Force    | 1,130 G's  | 1,130 G's   | 1,130 G's  | 1,130 G's  |
| Maximum Speed      | 2,100 rpm  | 2,100 rpm   | 2,100 rpm  | 2,100 rpm  |
| Hydraulic Capacity | 80 gpm (5.0 lps)   | 80 gpm (5.0 Lps)  | 150 gpm (9.5 Lps)  | 150 gpm (9.5 Lps)  |
| Bowl Construction  | Stainless Steel  | Stainless Steel   | Stainless Steel  | Stainless Steel  |
| Bowl Diameter      | 18" (475 mm)   | 18" (475 mm)  | 24" (610 mm)   | 24" (610 mm)   |
| Bowl Length        | 42" (1,066 mm)   | 50" (1,270 mm)  | 38" (965 mm)   | 60" (1,524 mm)   |
| Weight             | 4,547 lbs (2,062 mm)   | 5,000 lbs (2,268 kgs)   | 6,300 lbs (2,858 kgs)  | 8,300 lbs (3,764 kgs)  |
| Dimension          | 97" (2,463 mm) L x 72" (1,828 mm) W x 34" (863 mm) H                               | 107" (2,718 mm) L x 78" (1,981 mm) W x 35" (889 mm) H                               | 104" (2,641 mm) L x 84" (2,134 mm) W x 37" (940 mm) H                                | 124" (3,149 mm) L x 82" (2,082 mm) W x 38" (965 mm) H                                |
| Gearbox Ratio      | 80:1 or 140:1  | 80:1 or 140:1   | 80:1 or 140:1  | 80:1 or 140:1  |



# Decanter Centrifuge Core Exchange Program

## Centrifuge Core Exchange Program<sup>1</sup>

Relative to our commitment to the product life cycle and asset management, Astec | Elgin Separation (“Astec”) offers a core exchange program. When you surrender your used core (rotating assembly) to Astec, a fully refurbished core will be delivered to you the same week<sup>2</sup>.

In turn, the core submitted by you, the Customer, in exchange for an Astec refurbished core will be provided to Astec in kind along with a fixed \$18,900 USD Core Exchange Fee. Our goal is to extend the life of your assets and minimize any potential down time.

## Complete In-House Quality Inspection & Repair

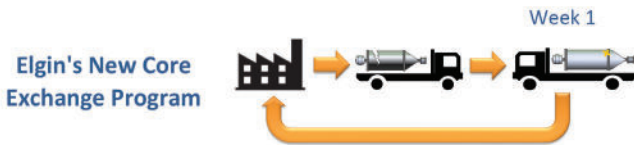
Astec has collected decades of experience servicing and refurbishing decanter centrifuges. As an original equipment manufacturer (“OEM”), Astec has a unique understanding of the design and key operating principles of the equipment it services. By deploying OEM quality control techniques and documented acceptance criteria, a higher standard and level of confidence can be expected from a decanter centrifuge that has been serviced by Astec.



*Fully refurbished core provided from Astec meets or exceeds industry standards.*



Superior Service and Delivery Through Astec



*Sign up today for Astec's Proprietary Core (“Bowl”) Exchange Program. When enrolled, you simply surrender your core and we will send you a replacement core the same week.*



*Astec's 4-Week Guarantee Includes our Proprietary Tear-Down & Quote Configurator that Provides Detailed Transparency on the Centrifuge Condition and Repair Services Recommended.*



<sup>1</sup>-Astec's Core Exchange Program is restricted to the centrifuge core (rotating assembly). The Customer core submitted in exchange for the Astec refurbished core shall be submitted to Astec with full title. The new Astec core will be provided with a full title. Both Astec and the Customer shall release all legal ownership of the cores exchanged. Customer cores that have undergone catastrophic damage are not eligible for Astec's Core Exchange Program. Complete details relative to defining catastrophic damage are available for review. The Astec refurbished cores shall be provided with standard warranty on parts and workmanship.

<sup>2</sup>- Initial enrollment in the program will result in receiving an Astec branded core equal or greater in value to the surrendered core. The customer core received, in exchange, will be repaired and placed into inventory on hold for same customer waiting future exchange. If at any time, the customer leaves the program, all surrendered cores in inventory become legal ownership of Astec.