Company History

- Founded in 1981 by J. Beattey
- Primary focus on filtration and lubrication products.
- Environmental concerns of the early 90’s led to a search for waste minimization technologies.
- As a filtration supplier, centrifugal liquid solid separation equipment was a natural which led to a distributorship for a line of centrifuges.
- As their largest distributor, Midwest ultimately took over management for installation, service and support.
- Quickly we learned the cost of ownership was too great, as Centrifuges were mechanically complex and notoriously unreliable.
- Knowledge gained from the school of busted knuckles led to the design of CentraSep in 1998.
- 2005, majority of the company was sold to Hammond Kennedy Whitney, a Private Equity Firm.
- June 2009, Technology purchased by original majority holder and inventor under .... Advanced Separation Technologies, LLC
- July 2014, Advanced Separation Technologies begins operating as CentraSep Centrifuges.
Design Criteria

- **Make it Simple**
  - Reduce the number of moving components

- **Make it Reliable**
  - Eliminate wear components and reduce maintenance intervals

- **Make it Efficient**
  - Keep the fluid quiet

- **Make it Tough**
  - All Wetted Parts 316 Stainless Steel
  - Oversized Bearings
Traditional Two Motor Design
CentraSep “THE” Single Motor Centrifuge

- Single Motor
- All Stainless Steel
- Positive Locking Clutch
- Bottom Process Feed
- Bearings Outside of Fluid
- Bottom Solids Discharge
- Lifetime Warranty Option
CentraSep “THE” Single Motor Centrifuge
Mechanically Simple

- All moving components, excluding the motor and one cylinder, located in Rotor sub-assembly
- Quick change rotor assembly ensures maximum uptime.
How CentraSep Works
2 Primary Cycles – Process (collection) and Scrape (discharge)
How CentraSep Works – *PROCESS CYCLE*

- **Process Cycle**
- Clutch Engages Bowl & Blades
- Motor Drives Rotor Assembly
- Dirty Fluid Injected Into Rotor
- Clean Fluid Gravity Drains

*Revolutionizing Liquid Separation*
*A Division of Advanced Separation Technologies*
How CentraSep Works – **SCRAPE CYCLE**

**Process Cycle**

- **Clutch Disengages Blades from Bowl & Engages Top Clutch**
- **Motor Drives Bowl Blades Remain Stationary**
- **Solids Discharge**
Vertically Integrated Manufacturing

Machine Shop

Panel Shop

Service and Support

Quality Enhancement
Complete Engineering and System Design

Standard

Complete System
CentraSep Service & Support

- All Manufactured Components In Stock
- Complete Rotor Assemblies In Stock
- Standard Electrical Components In Stock
- Full Service Staff
- Rebuilt Rotor Exchange Program
- Lifetime Warranty Option Available
CentraSep and Glass Grinding Industry

- CentraSep initial glass install – 2001
- Glass Filtration represents 38% of all units in service
- Since 2010, 57% of CentraSep Systems put into service have been in Glass Filtration – Auto, Flat and Solar

CentraSep becomes “BEST PRACTICE”

- Goal every installation is to become our customer’s “Best Practice”
- Engineered for reliability, ease of maintenance, simple installation.
- Backed by service and support with Lifetime Warranty option.
- Nearly 68% of units installed in last 5 years have come from existing clients
Unparalleled Separation Efficiency

- Looking up from the bottom
- 1” Inlet Pipe Ensures no Chance for Plugging
- Accelerator Brings Fluid to Rotor Speed
- Positive Locking Clutch Eliminates Blade Oscillation and Fluid Slip
- Four (4) Blades Isolate Fluid into four zones
- Sub-Micron Solids Removal
CentraSep Glass Install Front Side Diametric View
CentraSep Glass Install Backside Diametric View
Glass Install Plumbing Schematic
Results & Benefits with CentraSep

- Greater Production Uptime
- Extended Fluid Life
- Improved Grinding Wheel Life
- Predictable Maintenance Cost
- Tighter Tolerances Held
- Disposable Media Savings
- Lower Sludge Disposal Cost – Reduced Volume
- Environmentally Friendly solution that makes economic sense “environomic”
Partial Customer List

- SAINT-GOBAIN
- Ford
- Chrysler
- Pilkington
- Oldcastle Glass
- Subaru
- Delta Faucet Company
- Toyoda Gosei Worldwide
- GM
- First Solar
- Toyota
- MultiGlass
- Commercial Insulating Glass Company
- Medtronic
- GIG
- KENWORTH
- Paragon Tempered Glass
- BD
- Continental Mirror Graphics Inc
- Guardian Glass - Automotive - Building Products

Dallas Flat Glass Distributors

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Global Presence

AUSTRALIA  INDIA  ITALY  NEW ZEALAND  BRAZIL
FRANCE  CHINA  ARGENTINA  CANADA  GERMANY
MEXICO  LUXEMBOURG  TURKEY  HUNGARY  MALAYSIA
POLAND  UNITED STATES  Indonesia

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