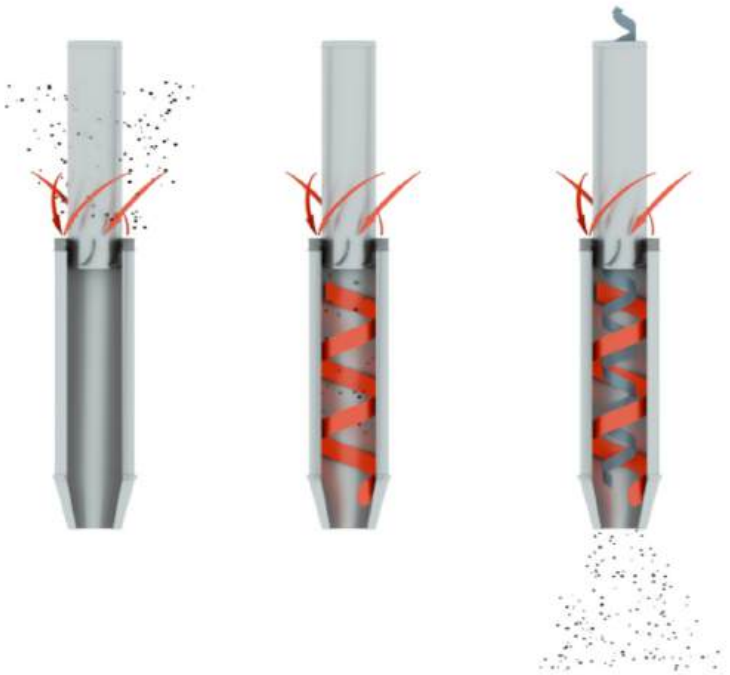
Mechanical Dust Collectors





Since the early 1970's, ProcessBarron has been designing, fabricating, installing, and maintaining mechanical dust collectors. In that time, we have established one of the best-known and widely respected reputations in the United States. Currently, there are over 600 mechanical dust collector installations in the United States and around the world that have been provided by our company. Our extensive customer list has been built by consistently providing dependable products along with industry knowledge and resourcefulness.

Although the mechanical dust collector is a simple device with few operating parts, ProcessBarron is constantly striving to improve its ability to perform. In fact, we believe that our company is the only one in the United States that is still conducting field and laboratory testing to improve the design of the mechanical dust collector.

ProcessBarron
Handle Everything Better

COMPANY CAPABILITIES

Our expertise comfortably covers complete new applications, retrofitting upgrade equipment into existing spaces and providing readily available parts for any emergency. With over forty years of experience, ProcessBarron is just a phone call away. Make your next mechanical dust collector project a success by making the call to us today.





MULTIPLE TUBE SIZES

ProcessBarron offers four different tube sizes:

- 9”
- 11.5”
- 14”
- 24”

Through our extensive application experience with mechanical dust collectors, we have established an excellent track record of selecting the right size tube for a particular application. The required air volume, particulate loading and ash characteristics are all taken into consideration when making a selection.

ProcessBarron knows that “one size does NOT fit all” in real world applications.





RETROFITS AND REPLACEMENTS

One of ProcessBarron's greatest strengths is our ability to repair, modify or replace another manufacturer's mechanical dust collector. Understanding and providing solutions for the required changes to existing ductwork, structural steel and connecting material handling equipment is always considered part of the project. Commonly used upgrade design features include:

- Conical discharge boots for greater collection efficiency
- Outlet tube turning vanes to improve pressure and airflow distribution
- 2-piece drop-in guide vane assemblies for easy replacement
- Properly sized tubes for the specific application

INDUSTRY APPLICATIONS

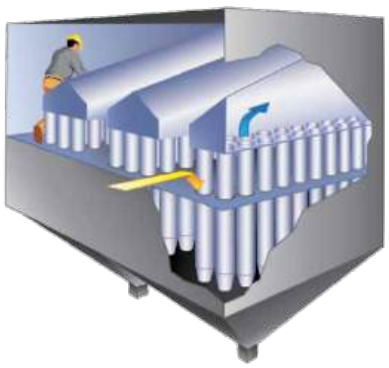
Wood Waste | Coal | Bagasse | Lime | Sludge | Coke | Pelletizing Iron Ore
Carbon Black | Clinker Cooler

Whatever the need, ProcessBarron has probably designed a mechanical dust collector for it. Our experience, and ability to provide equipment that always improves an "existing system", make ProcessBarron the only choice for all your mechanical dust collector needs.

ARRANGEMENT TYPES

ProcessBarron offers both **AU** (totally accessible) and **STD** (limited access) arrangements for their mechanical dust collectors. Both offer advantages that are important to consider.

AU Arrangement



- Easy access to all internal parts
- Lower velocities reduce internal part wear
- Greater flexibility with the casing arrangement
- Reduced hopper recirculation problems
- Improved overall performance and balanced flow

STD Arrangement



- Uses the least amount of space
- Lower initial cost
- Lower unit weight requires less support steel
- Less insulation and lagging required

COMPANY SERVICES

ProcessBarron
Handle Everything Better

Fuel & Ash Handling Systems

- Underpile Reclaimers
- Live Bottom Fuel Meter Bins
- Material Screening & Hog Towers
- Heavy Duty Screw & Drag Conveyors
- Underpile Drag Chain & Screw Conveyors
- Ash Storage Silos
- Ash Unloading & Conditioning Equipment
- Double Dump Valves & Rotary Feeders

Air & Gas Handling Systems

- Mechanical Draft Fans (Induced & Forced Draft)
- Boiler Upgrades & Stokers
- Economizers & Tubular Air Heaters
- Multiclone Dust Collectors
- Dampers & Expansion Joints
- Ductwork & Exhaust Stacks
- Draft System Assessment
- Efficiency Upgrades
- Steam Turbines - New & Maintenance

EMERGENCY REPAIR

ProcessBarron provides fast emergency repair services for equipment and components. Don't lose valuable time and money, call us today. Our emergency crews are ready to serve you 24 hours a day. For emergency repair, call: 800-226-3267.

SCAN HERE



Phone:
888-663-2028

Emergency Repair:
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ProcessBarron is an innovative leader in custom-engineered products and expert field services. We've been serving industrial customers since 1981 through our safety-focused, professional, and technically advanced teams driving smart, clean, and efficient production.