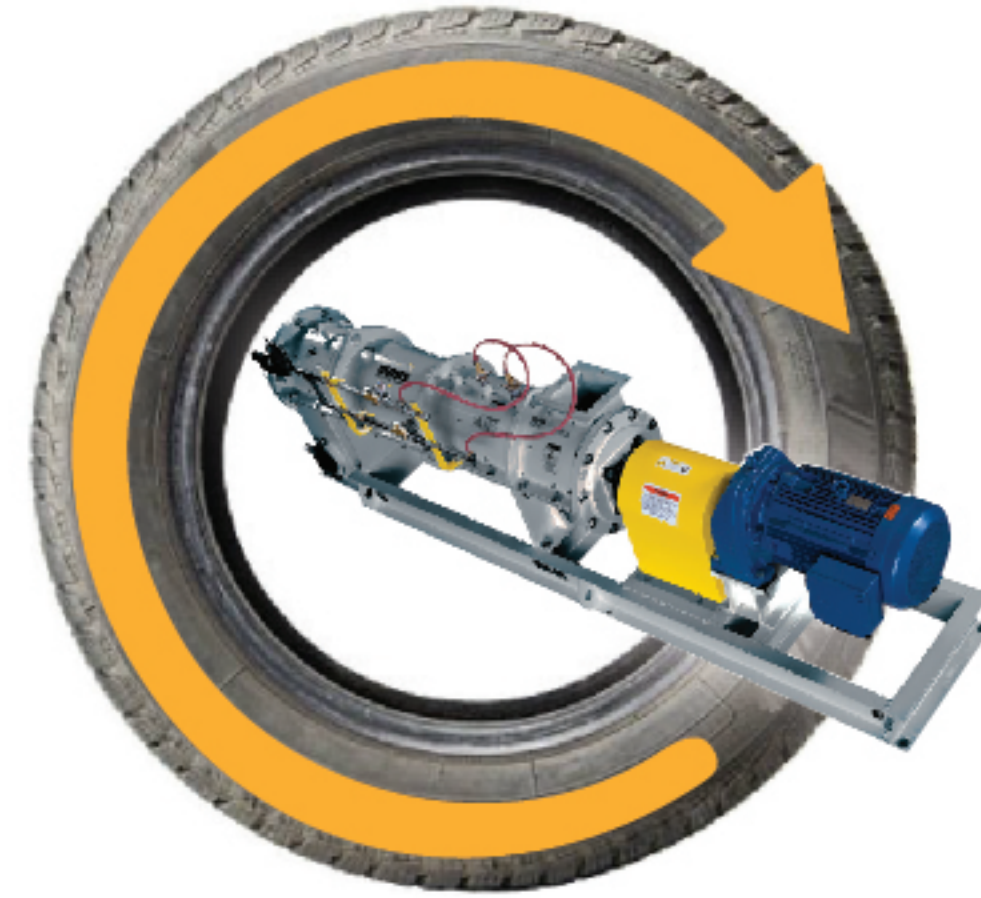


Mars Mineral Adds Value

We can help you tap into these industries with suitable rCB pellets customized per application.

- Aerospace
- Appliance
- Automotive
- Coatings
- Electronics
- Industrial
- Marine
- Packaging
- Plastics
- Rubber (Non-Automotive)
- Tire



Pelletizing tire pyrolysis rCB creates a sustainable closed-loop system.

The Intersection of Innovation and Sustainability

Mars Mineral's advanced pin mixer technology offers tire recyclers a groundbreaking solution: the ability to repurpose carbon black recovered from waste tires into dense, high-quality, higher-value pellets that help recyclers achieve their revenue potential. These aren't just any pellets but valuable commodities eagerly sought after by manufacturers in myriad applications. Partnering with Mars Mineral isn't just a step towards sustainable operations — it's a leap towards a circular economy where a waste material finds a second purpose.

Why Mars

Mars Mineral is a global leader in designing and manufacturing agitation pelletizing equipment. Learn more at www.carbonblackpellets.com or contact info@marsmineral.com or +1 724-538-3000.

5000
Square Meters



4

Continents



8

Sales Reps



2

Test Options



14

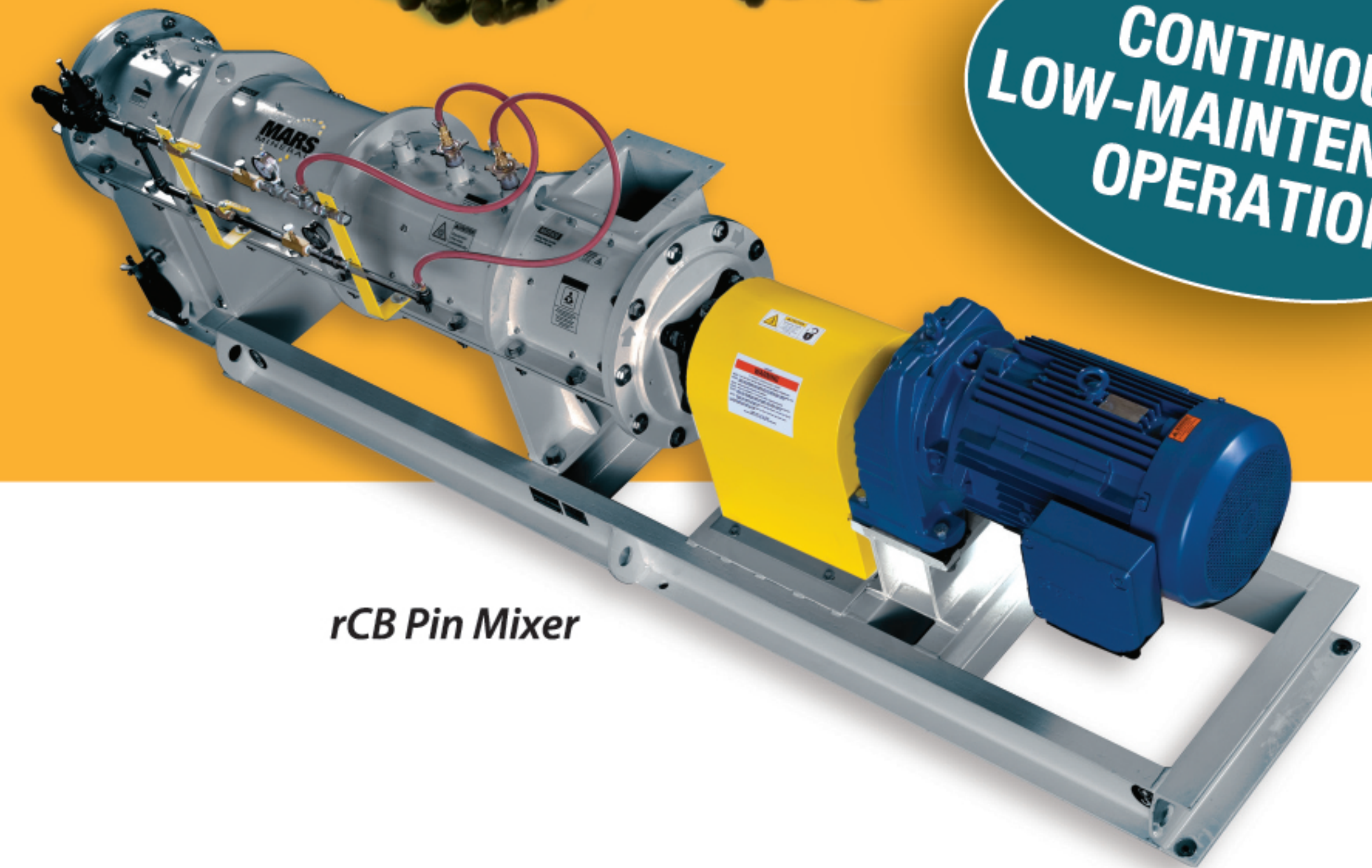
Global Installations



Scan our QR code to see our installation map.



128 Myoma Road
Mars, PA 16046 USA
tel: +1 724-538-3000
fax: +1 724-538-5078
info@marsmineral.com
www.carbonblackpellets.com



rCB Pin Mixer

**CONTINUOUS
LOW-MAINTENANCE
OPERATION**

ACHIEVE REVENUE AND COMPLIANCE TARGETS



Sustainable Pelletizing Solutions Since 1972



Sustainable Solution to an Endless Problem

Over one billion end-of-life tires (ELTs) worldwide are scrapped or incinerated each year, causing environmental and public health problems.

Tire pyrolysis is a recognized choice for the safe recycling of ELTs. Mars Mineral's pin mixers convert carbon black, recovered from ELTs through tire pyrolysis into ASTM-grade pellets that are used to manufacture valuable products, from asphalt additives to UV protectants.

By pelletizing, we can address the longstanding problem of tire disposal, turn waste into valuable resources, and take a step forward in our journey toward a more circular economy.



Mars Mineral Pin Mixers

Mars Mineral has pelletized many powders generated across a wide range of industrial applications over the past 50+ years. We have the application knowledge and the go-to technology needed by tire pyrolysis companies worldwide. Our pin mixers can generate high first-pass yields of 125-1000 micron-sized pellets with requisite hardness in the 20-gram to 50-gram range, which is the sweet spot for rubber and plastics manufacturers.

Our equipment converts rCB into pellets that are easier to store and transport for various end-uses. This material circularity offers a more carbon-neutral alternative to the traditional production of carbon black.

- Lab & Pilot Scale Pelletization
- Pelletization Process Consultation
- Pelletization Equipment Rental
- Onsite Technical Consultations & Service

Ideal Feedstock for Automotive Products

Let us show you how our customized pin mixer solutions can generate the requisite round pellets needed to produce:

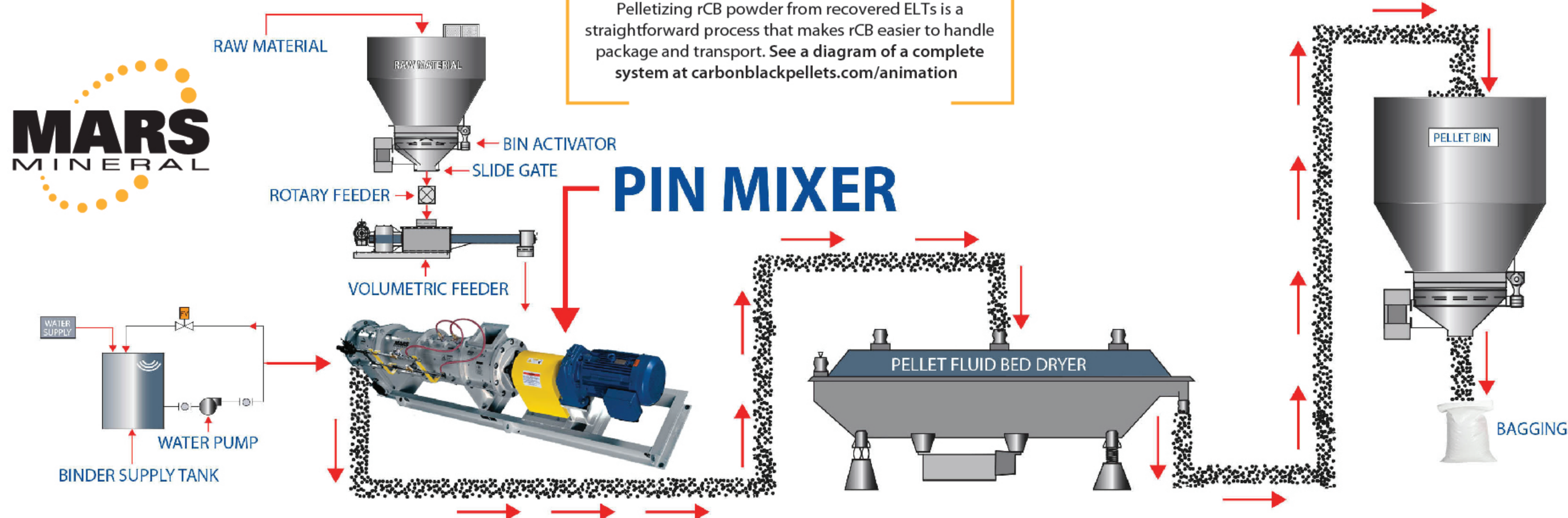
Green Tires

- Dashboards
- Door Panels
- Hoods
- Hoses
- Belts
- Rocker Panels
- Spoilers
- Trucks



Turn ELTs into a Revenue Source

Pelletizing rCB powder from recovered ELTs is a straightforward process that makes rCB easier to handle, package and transport. See a diagram of a complete system at carbonblackpellets.com/animation



The Mars Mineral Pin Mixer is the enabling technology that transforms powder into pellets.

Why Pelletize?

- > **Market Demand:** The rCB market was valued at USD 124.32 million in 2021 and is expected to reach USD 743.37 million by 2029.
- > **Sustainability:** Pelletizing transforms carbon-rich powder into a valuable commodity to be reintroduced into the industrial ecosystem.
- > **Improved Handling and Shipping:** Pelletized rCB is easier to handle, transfer, ship, and unload than powder.
- > **Less Dust:** Pelletizing reduces worker respiratory risks, product contamination, and the need for ventilation and dust collection systems.
- > **Waste Reduction:** Pelletizing can lead to a higher yield, minimizing waste.
- > **Consistent Dosing and Mixing:** Pellets provide a uniform weight and volume.
- > **Enhanced Flowability:** Pellets offer improved feeding and metering.
- > **Uniformity:** The consistency offered by pelletizing is demanded by end-users for more predictable results.
- > **Quality:** Through lab and pilot-scale palletization, pellet size, shape, density, and hardness can be determined upstream to meet application specs.
- > **Higher Revenue:** Buyers will pay a premium for pelletized rCB over the unwieldy powdered form.
- > **Outstanding ROI:** Mars Mineral pin mixer is built with high-quality components and workmanship needed to provide years of continuous, consistent operation with minimal routine maintenance.