

RUBBER BALE/SLAB SIZE REDUCTION

CONTROLLED DUSTING & ACCURATE SIZING



WEDCOSM

WEDCO PROCESSING SERVICES IS AN ICO POLYMERS SERVICE MARK

RUBBER BALE / SLAB SIZE REDUCTION SERVICES ... TO A CRUMB OR FINE POWDER

WE GRANULATE ALL TYPES OF RUBBERS AND ELASTOMERS

WEDCOSM has extensive experience in granulating a wide variety of rubbers and elastomers such as nitriles (NBR), including hydrogenated and carboxylated, styrene based elastomers (SBR), EPDM, polyacrylate elastomers, polyisoprenes, fluoropolymers and fluoroelastomers, and all other elastomeric and rubber copolymers and terpolymers. We work closely with our customers to develop the optimal particle size, types and loading levels of partitioning agents, and the optimal packaging design.

FLEXIBLE SOLUTIONS

Like all WEDCOSM size-reduction systems, our granulator capabilities are flexible and can be tailored to meet the customer's needs. When very light loadings of partitioning agents are required, we can add another in-line process that gently works the dusted crumb in order to improve adherence and maximize surface coverage and shelf-life. When higher loadings are required to maximize shelf-life but may not be acceptable for the end-use application, we can supplement the granulation with a JIT secondary process to remove all excess dust just prior to shipping. This results in maximum storage time but gives the customer a final product that has the required low loading of partitioning agent. Whether it is fine tuning the percentage or type of partitioning agent, designing the most effective packaging type, or scheduling to match a customer's production usage, WEDCOSM has always worked closely and confidentially with our customers to ensure that the final crumb form arrives at the final location as a free-flowing material.

WHEN A FINE RUBBER POWDER IS NEEDED...

In certain applications, the rubber crumb needs to be in a finer form than a granulator alone can achieve. Our cryogenic grinding systems can size-reduce rubber crumb down to powder ranging in size from 6-100 mesh, depending on the type of rubber. Our unique system design and advanced controls consistently and efficiently produce fine powders with minimal moisture content.



WEDCOSM can convert your rubber bales or slabs to a specific and consistently sized crumb from 1/4" to 3/4" or finer powder. An integral part of this process is dusting the crumb with partitioning agents such as talc, calcium carbonate, fumed silica, zinc stearate, or other materials that will prevent re-agglomeration of the smaller particles. Our equipment accurately applies the partitioning agent directly to the ground rubber during the size-reduction operations. This allows for uniform and homogenous contact with the material which maximizes the efficiency of the partitioning agent and minimizes the loading required to keep the finished product in a free-flowing state while maximizing its shelf-life.



TOLL PROCESSING SERVICES

RUBBER BALE / SLAB SIZE REDUCTION SERVICE

- Convert to 1/4", 3/8", 1/2", 5/8" or 3/4" free-flowing crumb
- Dust the crumb with partitioning agents for extended shelf-life
- Optimize partitioning agent type and percentage
- Cryogenically convert the crumb down to a fine powder to exacting particle size specifications

RESEARCH & PRODUCT DEVELOPMENT

With our technical expertise in powder development, modification, and characterization, coupled with years of practical experience and diverse production capabilities, we can assist our customers in the development, refinement, and full-scale production of new powdered materials.



PROCUREMENT SERVICES

WAREHOUSING

ABOUT WEDCOSM SERVICES

For over 40 years, WEDCOSM Processing Services, an ICO Polymers service mark, has been an industry leader in providing toll and contract size-reduction, blending, and compounding services. We process tens of millions of pounds per year in our five conveniently located, ISO 9001-2000 certified facilities, with the versatility to accommodate small R&D runs.



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