FEECO INTERNATIONAL

FEECO.com/agglomeration-equipment/

AGGLOMERATION EQUIPMENT

An overview on the equipment options for
agitation (non-pressure) agglomeration

AGITATION AGGLOMERATION EQUIPMENT

ROTARY DRUM



AKA: Agglomeration Drum, Balling Drum, Agglomerator, Ore Drum, Granulation Drum, Granulator

SIZE	CAPACITY
Drum Diameters **36" - 15'**	**500 LB/HR - 3500+ TPH**

TYPICAL APPLICATIONS

Fertilizers & Soil Amendments | Minerals | Gold, Silver, Copper Ores | Iron Ore Fines

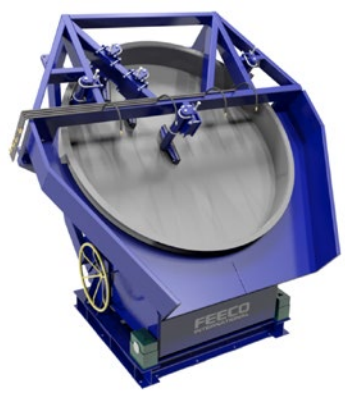
WORKS BY

Tumbling material in the rotating drum in the presence of a liquid.

KEY ADVANTAGE

High Capacity

DISC PELLETIZER



AKA: Pan Pelletizer, Pan Granulator, Disc Granulator, Granulator

SIZE	CAPACITY
Disc Diameters **24" - 25'**	**100 LB/HR - 100 TPH**

TYPICAL APPLICATIONS

Limestone | Gypsum | Soil Amendments | Chemical Powders | Fly Ash

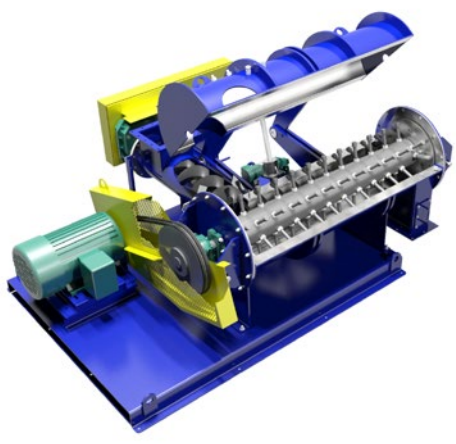
WORKS BY

Tumbling material on a rotating disc in the presence of a liquid.

KEY ADVANTAGE

Creates a premium product

PIN MIXER



AKA: Pin agglomerator

SIZE	CAPACITY
10" - 50"	**200 LB/HR - 70 TPH**

TYPICAL APPLICATIONS

Limestone | Gypsum | Coal Dust | Proppants | Clays & Ceramics | Compost | Chicken Litter

WORKS BY

Imparting an intense spinning action on the material to densify and agglomerate it.

KEY ADVANTAGE

Ideal for mixing fine materials

PUGMILL MIXER



AKA: Paddle Mixers, Pug Mills

SIZE	CAPACITY
14" - 78"	**500 LB/HR - 250 TPH**

TYPICAL APPLICATIONS

Agricultural Chemicals | FGD Scrubber Sludge | Lime for SO2 Neutralization | Animal Feed | Copper Concentrates

WORKS BY

Imparting a kneading and folding over motion with dual rotating shafts affixed with paddles.

KEY ADVANTAGE

Ideal for heavy-duty materials

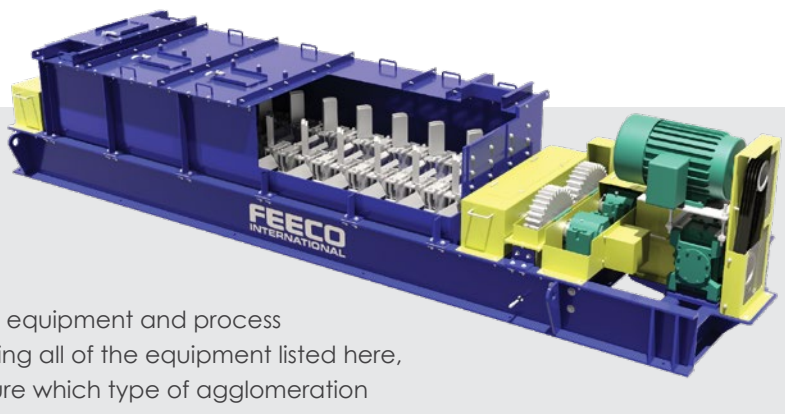
WHICH EQUIPMENT IS RIGHT FOR YOU?

Finding out which equipment type(s) will best suit your project is a balance of the factors listed below. Feasibility testing in a facility such as the **FEECO Innovation Center** can help to determine the best approach to meet your project requirements and develop a recipe for scale-up.

- Material Characteristics
- Product Goals
- Capital & Operating Costs
- Process Requirements



To learn more about the different approaches to agglomeration, see our ***Types of Agglomeration Infographic***



AGGLOMERATION SOLUTIONS

FEECO is the world's top provider of agitation agglomeration equipment and process solutions. We offer custom agglomeration equipment, including all of the equipment listed here, as well as process and product development services. Not sure which type of agglomeration is right for your material? Find out in our feasibility testing lab - The Innovation Center.

For more information, contact us today at ***FEECO.com/contact-us/***