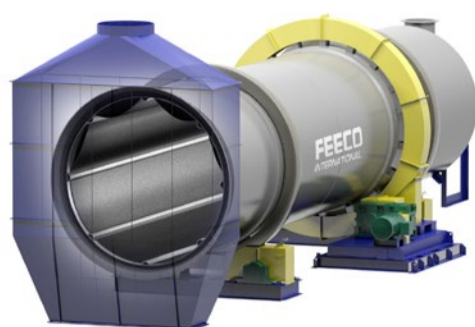


AGGLOMERATION EQUIPMENT

An overview on the equipment options for non-pressure and pressure agglomeration

NON-PRESSURE

ROTARY DRUM



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

SIZE	CAPACITY
Drum Diameters 3'-0" - 15'-0"	500 LB/HR - 3500+ TPH

TYPICAL APPLICATIONS

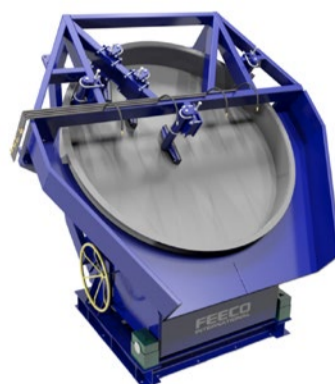
Fertilizers & Soil Amendments Minerals
Gold, Silver, Copper Ores Iron Ore Fines

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 2'-0" - 25'-0"	100 LB/HR - 100 TPH

TYPICAL APPLICATIONS

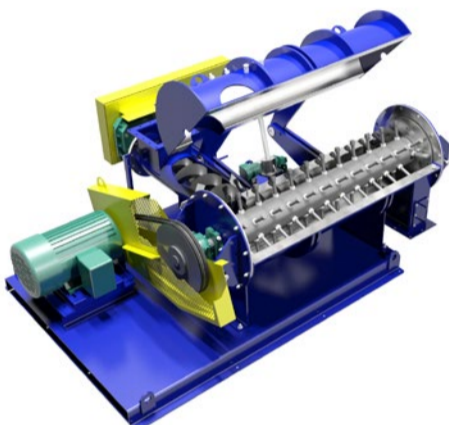
Limestone Gypsum Soil Amendments
Chemical Powders Fly Ash

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" - 4'-2"	200 LB/HR - 70 TPH

TYPICAL APPLICATIONS

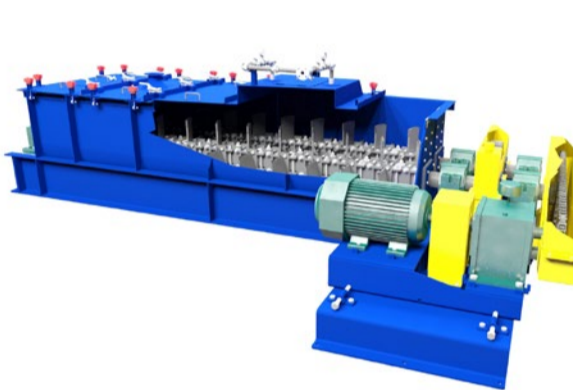
Limestone Gypsum Coal Dust
Proppants Clays & Ceramics Compost
Chicken Litter

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
1'-2" - 6'-6"	500 LB/HR - 250 TPH

TYPICAL APPLICATIONS

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

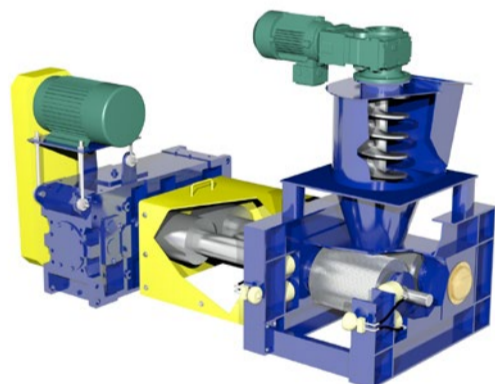
WORKS BY

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

KEY ADVANTAGE
Ideal for heavy-duty materials

PRESSURE

COMPACTOR



AKA: Roll Press, Double Roll Press

CAPACITY
100 LB/HR - 50 TPH

TYPICAL APPLICATIONS

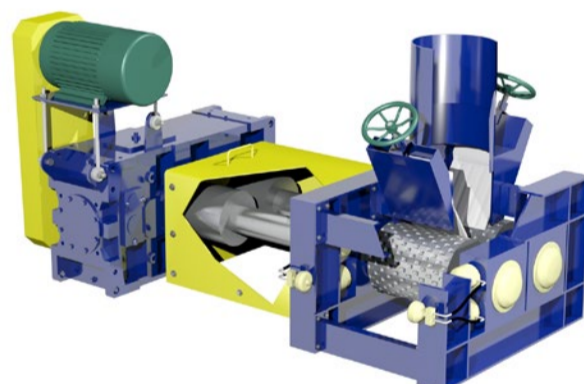
Fertilizers Chemicals Pharmaceuticals
Detergents Potash

WORKS BY

Pressing material into a compacted sheet and breaking the sheet into granules

KEY ADVANTAGE
Dry process

BRIQUETTER



AKA: Roll Press, Double Roll Press

CAPACITY
100 LB/HR - 100 TPH

TYPICAL APPLICATIONS

Charcoal Lignite Water Softener Salt
Metallic Oxides Coal

WORKS BY

Pressing material into a desired shape using two rolls, each with one half of the shape

KEY ADVANTAGE
Produces large agglomerates

WHICH EQUIPMENT IS RIGHT FOR YOU?

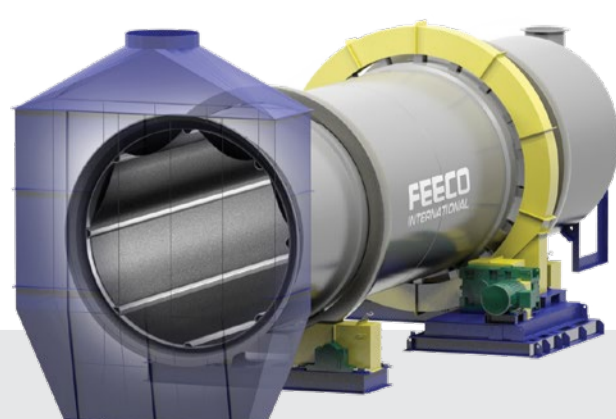
Finding out which equipment type(s) will best suit your project is a balance of the factors listed below. Feasibility testing in a facility such as the **FEECO Innovation Center** can help to determine the best approach to meet your project requirements and develop a recipe for scale-up.

Material Characteristics

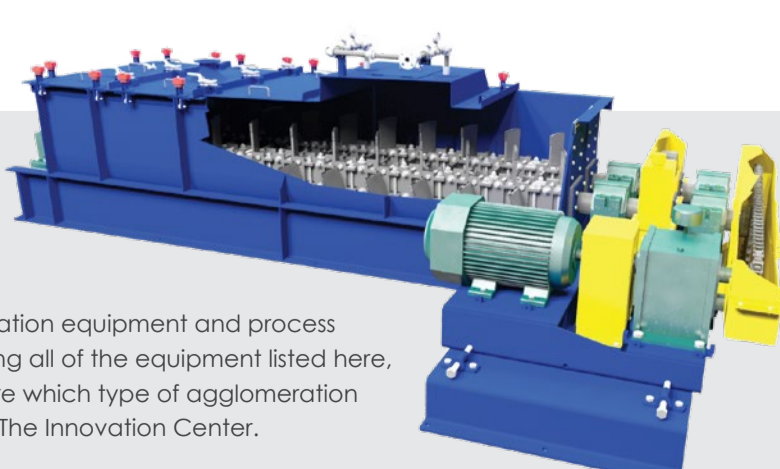
Product Goals

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 tumble growth 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