

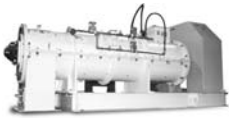







# Pelletizers at a Glance

Pelletizer	Used as Pelletizer	Used as Mixer	End Product		Capacity (tons/hour)
			Size	Shape	
 <b>Deep Drum</b>	Yes	No	1/4" to 1-1/2" dia.	Spherical	.5 to 125
 <b>Disc</b>	Yes	No	20 Mesh to 1-1/2" dia.	Spherical	.5 to 125
 <b>DP-14 Agglo-Miser</b>	Yes	Yes	50 Mesh to 4 Mesh	Spherical	.25 to 80
 <b>Ampel Conditioner</b>	Yes	Yes	4 Mesh to 1" dia.	Irregular	.5 to 50
 <b>Pin Mixer</b>	Yes	No	20 Mesh to 1-1/2" dia.	Spherical	Bench Scale
 <b>Mobile-Pak</b>	Yes	Yes	50 Mesh to 1-1/2" dia.	Spherical or Irregular	.5 to 3

## MARS MINERAL




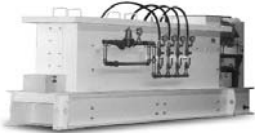
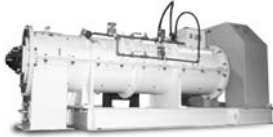

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Division of Woodward, Inc.



# Pelletizers at a Glance



Pelletizer	Description
 <b>Deep Drum</b>	The Mars <b>Drum Pelletizer</b> , an inclined, deep-drum unit, features an integral, rear-mounted auger feeder. Its deep-drum design makes it ideal for applications requiring long retention time for densifying. It is also an excellent choice for applications that require large, dense pellets for recycling, transporting or disposing.
 <b>Disc</b>	The Mars <b>Disc Pelletizer</b> , an adjustable-pan device used in micro-pelletizing, pelletizing and conditioning applications which require a shallow pan and smaller retained burden, can be used to pelletize a variety of materials including taconites, earthy hematites, copper, nickel, lead and zinc concentrates. It is also ideal for pelletizing reclaimed sludge, moist filter cakes, coal, flue dusts, fertilizers and ores.
 <b>Pin Mixer</b>	The Mars <b>Pin Mixer</b> is a pin-type solids processor designed for applications requiring high-energy input to materials for mixing or micro-pelletizing. Using the action of a high-speed rotor shaft and liquid additions, such as water, binders, surfactants or oil, this machine converts dust into small agglomerates.
 <b>Ampel Conditioner</b>	The Mars <b>Ampel Horizontal Pelletizer</b> - a rapid-agitation device used to mix, condition and pelletize dust, fine powders and other materials - produces either a conditioned, wetted product or a granular, free-flowing agglomerate. Featuring a wide range of applications for conditioning and pelletizing, its capacity ranges from one-half tph to 50 tph.
 <b>DP-14 Agglo-Miser</b>	The <b>"Agglo-Miser"</b> laboratory pelletizer, a multi-depth, bench-scale unit, is ideal for a wide range of batch and/or continuous tests for powder and dust pelletizing. Designed with three adjustable pan depths, a selection of pan speeds and a variety of pan angle variations, the Agglo-Miser can be operated either as a shallow disc or a deep drum, producing either micropellets, granules or large balls.
 <b>Mobile-Pak</b>	The Mars <b>Mobile-Pak</b> portable pelletizing system is ready for operation after only one electrical and one water connection and can be outfitted with a Disc Pelletizer, Deep Drum Pelletizer, Pin Mixer or Ampel Conditioner, depending upon customer requirements. Available for sale, as a rental unit and on a service contract with operators, the Mobile-Pak turns dust into free-flowing pellets for easy recycling or disposal.