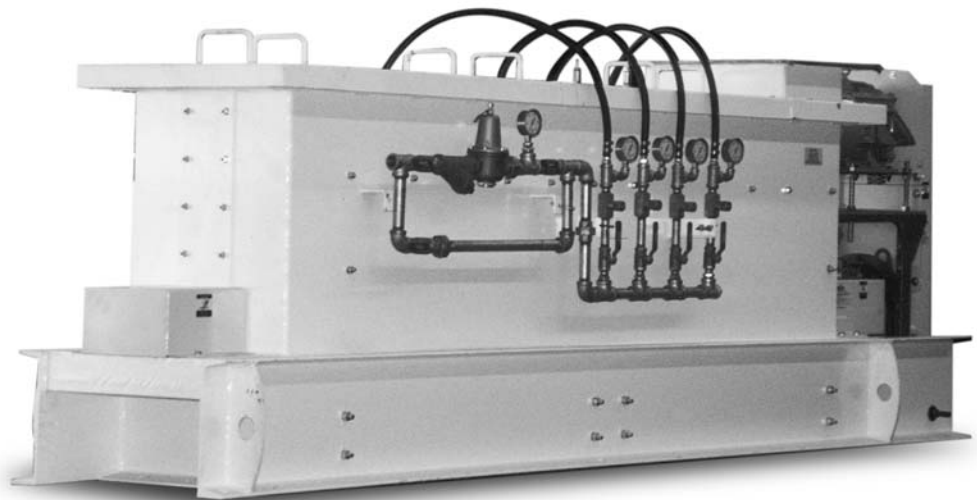




***Pelletizing,  
Conditioning  
or Mixing of  
Material Fines.***

# Ampel Pelletizer



## **MARS MINERAL**

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Division of Woodward, Inc.

The Mars Mineral **Ampel Horizontal Pelletizer** is a rapid-agitation device used to mix, condition and pelletize dust, fine powders and other materials. This equipment produces either a conditioned, wetted product or a granular, free-flowing agglomerate. It features a wide range of applications for conditioning and pelletizing at capacities ranging from one-half tph to 50 tph.



# Ampel Pelletizer

## Other Products by



**Disc Pelletizer** is ideal for micropelletizing a wide range of materials. Available in various sizes from 3 ft. to 25 ft. diameter. Provides 20° angle adjustment.



**Drum Pelletizer** is an inclined, deepdrum unit featuring an integral, rear-mounted auger feeder. It is ideal for densification and production of large diameter pellets.



**DP14 Agglo-Miser** laboratory pelletizer is a multi-depth, bench-scale unit that permits a wide range of batch and/or continuous tests for powder and dust pelletizing. multi-depth, benchscale unit that permits a wide range of batch and/or continuous tests for powder and dust pelletizing.



**Pin Mixer** for advanced pin-type micro-pelletizing. This new design from MMC is ideal for dedusting/dust wetting, solids/liquid mixing, preconditioning, chemical reactions and fluffing.

The patented design of the Ampel Pelletizer features a rubber bottom trough with a single-shaft rotor assembly that extends the length of the trough. Elongated mixing arms with specially-designed wedge-shaped mixing blades extend radially from the assembly. Either a variable or constant-speed drive is used to power the assembly.

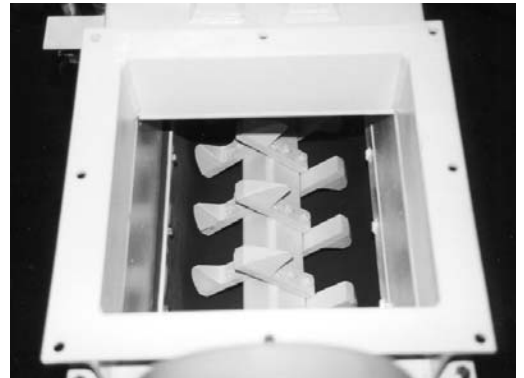
The blades are furnished in a variety of metal compositions. The sharp leading edges of the blades face the direction of rotor rotation, with the speed of rotor and blades adjusted to the correct movement and conditioning/pelletizing action and through-put of the material being processed.

The bottom of the trough is formed of flexible rubber, which is attached to the stationary upper trough, producing a flexing surface that resists material buildup, improves material flow and increases wear resistance. For applications in which rubber cannot be used, other materials including metal or plastic bottoms may be used.

The Ampel is equipped with a water spray system above the inlet section of the pelletizer to apply finely atomized water spray or binder additives.

The Ampel unit provides granulation of agricultural chemicals, fertilizers, pesticides, chemical consumer products, carbon powders and flue dust from dust collectors. It conditions flyash, cement or lime kiln dust, foundry dust, iron oxide, friction material waste, lead fume and zinc oxide.

The Ampel is also ideal for processing moist difficult-to-feed materials, combining moist and dry feed, mixing two or more materials and preparing feed materials for subsequent processing.



*Detail shows Ampel trough design and wedge-shaped mixing blades of the rotor assembly.*

## Ampel Horizontal Pelletizer/Conditioner Specifications

Model	Trough Width	Trough Length	Capacity	HP	Length	Width	Height	Weight
A150	1'-0"	5'-0"	3.0	5	7'-6"	1'-5"	2'-8"	1,400
A175	1'-6"	7'-6"	7.0	10	10'-9"	2'-2"	3'-7"	2,800
A210	2'-0"	10'-0"	15.0	15	14'-0"	3'-0"	4'-4"	5,000
A315	3'-0"	15'-0"	30.0	30	18'-9"	3'-10"	5'-2"	11,000
A418	4'-0"	18'-0"	50.0	50	23'-0"	4'-10"	6'-10"	19,500

CAPACITY IN TONS PER HOUR THROUGHPUT, BASED UPON FREE FLOWING MATERIAL WEIGHING 80 PCF. SPECIFICATIONS AND DIMENSIONS ARE FOR GENERAL USE ONLY.