



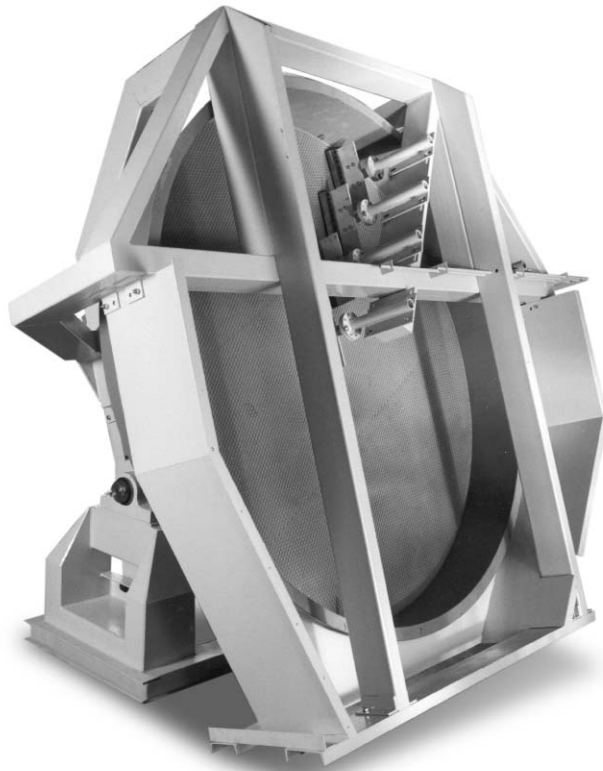
***Versatile
Pelletizer for a
Wide Range of
Applications***

MARS MINERAL

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Division of Woodward, Inc.

Disc Pelletizer



The Mars Mineral **Disc Pelletizer** is an adjustable pan device utilized in micro-pelletizing, pelletizing and conditioning applications in which a shallow pan and a smaller retained burden are desired. It can be used to pelletize materials such as taconites, copper, nickel, lead and zinc concentrates. Other applications include pelletizing of reclaimed sludge, moist filter cakes, coal, flue dusts, limestone, fertilizers and ores.



Disc Pelletizer

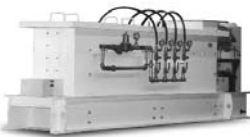
Other Products by



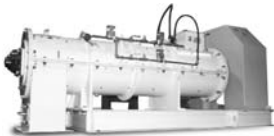
Drum Pelletizer is an inclined, deepdrum unit featuring an integral, rear-mounted auger feeder. It is ideal for densification and production of large diameter pellets.



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.



Ampel horizontal pelletizer/conditioner is utilized in applications requiring dedusting or conditioning of dust, fine powders and other minerals for disposal.



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 Mars Mineral Disc Pelletizer consists of a pan, drive and plows, which are supported on a heavy structural frame and base.

The pan is driven by an 1800 rpm TEFC motor through a vari-drive belt and heavy-duty gear reducer. It is mounted on the output shaft of the reducer for disc sizes from three feet to eight feet in diameter.

Disc pelletizers 10 feet in diameter and larger are equipped with constant speed cog-belt drives and are driven through motor, reducer, pinion and ring gear mounted behind the pan. Changes in pan rotational speed can be made through the proper selection of sheaves and belts.

The pan angle is adjustable within a range of 20 degrees to suit various pelletizing conditions and applications.

Pan speeds of disc pelletizers three feet to eight feet in diameter are variable by a 3:1 ratio.

The Mars Mineral Disc Pelletizer is equipped with a binder spray system which includes piping, tubing, nozzles, pressure gauges, valves, pressure regulator and strainer. For extremely

dusty or toxic applications, Mars Mineral will also provide a discharge chute and a dust cover as optional items.

This unit is a front feeding device. Various feeders are used in conjunction with it to accommodate a range of materials and accuracies. Selection may be made from volumetric screw feeders, belt or table feeders and gravimetric weighbelt feeders.



Mars Mineral Disc Pelletizer is equipped with binderspray system for use in micro-pelletizing, pelletizing or conditioning of a wide range of materials.

Disc Pelletizer Specifications

Model	Diameter	Depth	Capacity	HP	Length	Width	Height	Shipping Weight
P 30	3'	8"	.75	1	4'-0"	4'-0"	4'-0"	1,100
P 45	4.5'	9"	2.5	3	5'-0"	6'-0"	6'-0"	1,900
P 60	6'	10"	4.5	5	6'-3"	7'-5"	7'-5"	4,000
P-80	8'	1'-1"	10.0	15	7'-7"	9'-5"	9'-7"	12,000
P 100	10'	1'-31/2"	15.0	25	11'-6"	12'-4"	11'-10"	16,000
P 120	12'	1'-6"	25.0	40	12'-0"	14'-4"	13'-7"	28,000
P 140	14'	1'-8"	37.0	60	13'-5"	17'-0"	15'-10"	34,000
P 160	16'	1'-10"	56.0	75	14'-4"	19'-0"	17'-0"	38,000
P 180	18'	2'-0"	75.0	100	15'-6"	21'-0"	20'-3"	50,000
P 200	20'	2'-2"	100.0	125	16'-10"	23'-0"	24'-2"	70,000
P 220	22'	2'-4"	125.0	150	21'-8"	26'-7"	26'-11"	80,000
P 250	25'	2'-8"	140.0	200	22'-9"	29'-7"	27'-6"	95,000

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