



We make

smaller  
smarter  
faster

# AF H2D 500



Number of Mills		2	
Disk Diameter (4 double faced discs)	in.	19.7	
	mm	500	
Total Electrical Power Requirement	HP	333	
	KW	248.3	
Mill Motor	HP	150	
	KW	112	
Voltages Available		As Required	
System Base Width x Depth	in.	93.615 x 88	
	mm	2378 x 2235	
System Maximum Height	in.	248	
	mm	6299	
Sifter Type		Centrifugal	
Total Sifter Screen Area ( 8 decks)	in <sup>2</sup>	4974	
	cm <sup>2</sup>	32096	
Method of Grind Gap Adjustment		External	
Rate Control Type (Temp, Amps, Both)		Both	
Computer Controls Included		Yes	
Touchscreen Adjustable High Temp Control		Yes	
Touchscreen Adjustable High Amp Control		Yes	
Production Rate	30 Mesh LLDPE	lb/hr	2000 - 3000
	600 microns	kg/hr	900 - 1400
Production Rate	20 Mesh rigid PVC	lb/hr	2000 - 3500
	840 microns	kg/hr	900 - 1600

For an accurate Production Rate, a test with our equipment is recommended.

Orenda AirForce™ Patented Technology  
**US Patent # 9, 468,929**  
**US Design Patent # D 734376**

All of our machines can be configured to accommodate smaller spaces, including lower ceiling heights.

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# AF H1D 500



Number of Mills		1
Disk Diameter (2 double faced discs)	in.	19.7
	mm	500
Total Electrical Power Requirement	HP	168
	KW	125.3
Mill Motor	HP	150
	KW	112
Voltages Available		As Required
System Base Width x Depth	in.	85.5 x 71
	mm	2171 x 1804
System Maximum Height	in.	220
	mm	5588
Sifter Type		Centrifugal
Total Sifter Screen Area ( 6 decks)	in <sup>2</sup>	3731
	cm <sup>2</sup>	24072
Method of Grind Gap Adjustment		External
Rate Control Type (Temp, Amps, Both)		Both
Computer Controls Included		Yes
Touchscreen Adjustable High Temp Control		Yes
Touchscreen Adjustable High Amp Control		Yes
Production Rate	30 Mesh LLDPE	lb/hr 1200 - 1800
	600 microns	kg/hr 550 - 800
Production Rate	20 Mesh rigid PVC	lb/hr 1200 - 2000
	840 microns	kg/hr 550 - 950

For an accurate Production Rate, a test with our equipment is recommended.

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**US Design Patent # D 734376**



# AF H1D 420



Number of Mills		1	
Disk Diameter (2 double faced discs)	in.	16.6	
	mm	420	
Total Electrical Power Requirement	HP	110	
	KW	82	
Mill Motor	HP	100	
	KW	75	
Voltages Available		As Required	
System Base Width x Depth	in.	85 x 71	
	mm	2159 x 1803	
System Maximum Height	in.	216	
	mm	5486	
Sifter Type		Centrifugal	
Total Sifter Screen Area (4 decks)	in²	3109	
	cm²	20060	
Method of Grind Gap Adjustment		External	
Rate Control Type (Temp, Amps, Both)		Both	
Computer Controls Included		Yes	
Touchscreen Adjustable High Temp Control		Yes	
Touchscreen Adjustable High Amp Control		Yes	
Production Rate	30 Mesh LLDPE	lb/hr	600 - 1200
	600 microns	kg/hr	300 - 550
Production Rate	20 Mesh rigid PVC	lb/hr	600 - 1200
	840 microns	kg/hr	300 - 550

For an accurate Production Rate, a test with our equipment is recommended.

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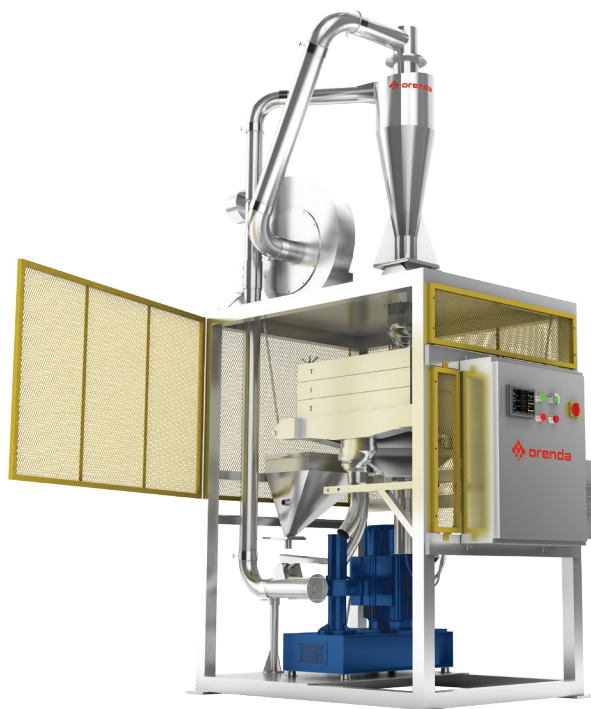
**US Patent # 9, 468,929**

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# AF H1D 250



Number of Mills		1	
Disk Diameter (2 double faced discs)	in.	10	
	mm	254	
Total Electrical Power Requirement	HP	55	
	KW	41	
Mill Motor	HP	50	
	KW	37.3	
Voltages Available		As Required	
System Base Width x Depth	in.	65 X 73.5	
	mm	1651 x 1867	
System Maximum Height	in.	176	
	mm	4420	
Sifter Type		Gyroscopic	
Total Sifter Screen Area ( 3 decks)	in²	1866	
	cm²	12036	
Method of Grind Gap Adjustment		External	
Rate Control Type (Temp, Amps, Both)		Both	
Computer Controls Included		Yes	
Touchscreen Adjustable High Temp Control		Yes	
Touchscreen Adjustable High Amp Control		Yes	
Production Rate	30 Mesh LLDPE	lb/hr	300 - 600
	600 microns	kg/hr	136 - 272
Production Rate	20 Mesh rigid PVC	lb/hr	400 - 700
	840 microns	kg/hr	180 - 318

For an accurate Production Rate, a test with our equipment is recommended.

Orenda AirForce™ Patented Technology

**US Patent # 9, 468,929**

**US Design Patent # D 734376**



Number of Mills		1
Disk Diameter (2 double faced discs)	in.	10
	mm	254
Total Electrical Power Requirement	HP	15
	KW	11
Mill Motor	HP	15
	KW	11
Voltages Available		As Required
System Base Width x Depth	in.	46 x 48
	mm	1168 x 1219
System Maximum Height	in.	70
	mm	1778
Rate Control Type (Temp, Amps, Both)		Manual

**Manufacturing Sharpening Coatings Service**

Orenda provides the following services:

- Manufacturing of new pulverizer discs / blades, segments, pelletizer rotors and granulator knives
- Sharpening of most makes of pulverizer discs / blades, segments, pelletizer rotors and granulator knives
- Coating of pulverizing discs with wear resistant materials
- Supplying parts for most makes of pulverizing equipment.
- Support in all aspects of the pulverizing process so that your equipment can be fine-tuned to function at peak efficiency
- Automation and upgrades to older pulverizers, size reduction equipment, rotomolding machinery and extruders

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# OPTIONS

OPTIONS PRICED ON REQUEST	PULVERIZER MODELS				
	AF H2D500	AF H1D500	AF H1D420	AF H1D250	AF LAB
Vacuum hopper loader		<b>x</b>	<b>x</b>	<b>x</b>	
Material pickup unit	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	
Finish material transfer unit	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	
Split easy clean swivel cyclone	<b>x</b>	<b>x</b>	<b>x</b>		
Pneumatic sieve compression system	<b>x</b>	<b>x</b>	<b>x</b>		
Quick clean gate	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	
Enclosed ladder to cyclone platform	<b>x</b>	<b>x</b>	<b>x</b>		
Swivel arm c/w chain hoist	<b>x</b>	<b>x</b>	<b>x</b>		
Bag house dust collector with blow back capabilities	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	
Secondary closed loop cyclone dust collector system	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	
Piping system for dust collector	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	
Metal separator	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	
Pulverizing discs	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
Sifter screens	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	
Chiller					
Pulverized Material Receiver					<b>x</b>
Transportation cost including insurance	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
Implant Technical training and startup	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	





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ASSOCIATION OF ROTATIONAL MOLDERS