



We make

smaller
smarter
faster

Pulverizing has never been simpler and more economical!

For superior quality and the most cost-effective equipment in the industry, customers turn to Orenda – the leader in ambient pulverizing equipment. Our revolutionary Airforce® cooling technology and auto gap adjustment yield the highest production rates in the industry, and makes the processing of a wider spectrum of materials possible.

Benefits include:

Up to Double the production rate of similar size conventional water-cooled pulverizing systems

Lower operating costs through 50% energy savings

Lower-maintenance cost-and reduced transportation costs

2.5X extended disc life

Optimal finished material quality

Orenda pulverizers have a longstanding track record for producing consistently high-quality powders for rotomolding, extruding, mixing, recycling, and other processes. With state-of-the-art controls that ensure optimally high production rates, our pulverizers reduce the size of polyethylene, PVC, Nylon, PET, UHMW and many more. Developed by our engineers under intense factory and field-testing conditions, our equipment handles even the most demanding applications trouble-free.

Contact us to book a demonstration or to order your new pulverizer today.

AF H2D 500



Number of Mills		2
Disk Diameter (4 double faced discs)	in.	19.7
	mm	500
Total Electrical Power Requirement	HP	320
	KW	238
Mill Motor	HP	150
	KW	112
Voltages Available		As Required
System Base Width x Depth	in.	86 x 84
	mm	2185 x 2134
System Maximum Height	in.	242
	mm	6147
Sifter Type		Centrifugal
Total Sifter Screen Area (8 decks)	in ²	4974
	cm ²	32096
Method of Grind Gap Adjustment		External While Running
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	2500 - 3500
	600 microns kg/hr	1136 - 1590
Production Rate	20 Mesh rigid PVC lb/hr	3000 - 4000
	840 microns kg/hr	1364 - 1818

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

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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
Mill Motor	HP	150
	KW	112
Voltages Available		As Required
System Base Width x Depth	in.	85 x 71
	mm	2159 x 1803
System Maximum Height	in.	220
	mm	5588
Sifter Type		Centrifugal
Total Sifter Screen Area (6 decks)	in ²	3731
	cm ²	24072
Method of Grind Gap Adjustment		External While Running
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 1600 - 2600
	600 microns	kg/hr 725 - 1180
Production Rate	20 Mesh rigid PVC	lb/hr 2400 - 3400
	840 microns	kg/hr 1100 - 1550

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AF H1D 420



Number of Mills		1
Disk Diameter (2 double faced discs)	in.	16.6
	mm	420
Total Electrical Power Requirement	HP	85
	KW	63
Mill Motor	HP	75
	KW	56
Voltages Available		As Required
System Base Width x Depth	in.	85 x 71
	mm	2159 x 1803
System Maximum Height	in.	213
	mm	5410
Sifter Type		Centrifugal
Total Sifter Screen Area (4 decks)	in ²	2487
	cm ²	16048
Method of Grind Gap Adjustmen		External While Running
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 1100 - 1760
	600 microns	kg/hr 500 - 800
Production Rate	20 Mesh rigid PVC	lb/hr 1540 - 2090
	840 microns	kg/hr 700 - 950

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

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AF H1D 320



Number of Mills		1	
Disk Diameter (2 double faced discs)	in.	12.6	
	mm	320	
Total Electrical Power Requirement	HP	61.5	
	KW	45	
Mill Motor	HP	50	
	KW	37	
Voltages Available		As Required	
System Base Width x Depth	in.	61 x 65	
	mm	1549 x 1651	
System Maximum Height	in.	187	
	mm	4750	
Sifter Type		Gyroscopic	
Total Sifter Screen Area (3 decks)	in²	1866	
	cm²	12036	
Method of Grind Gap Adjustmen		External While Running	
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	450 - 750
	600 microns	kg/hr	205 - 340
Production Rate	20 Mesh rigid PVC	lb/hr	550 - 900
	840 microns	kg/hr	255 - 410

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



AF H1D 250



Number of Mills		1	
Disk Diameter	in.	10	
	mm	250	
Total Electrical Power Requirement	HP	35	
	KW	26	
Mill Motor	HP	30	
	KW	22	
Voltages Available		As Required	
System Base Width x Depth	in.	53 X 71	
	mm	1346 x 1803	
System Maximum Height	in.	149	
	mm	3784	
Sifter Type		Gyroscopic	
Total Sifter Screen Area (2 decks)	in ²	1244	
	cm ²	8024	
Method of Grind Gap Adjustment		External While Running	
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	235 - 400
	600 microns	kg/hr	106 - 181
Production Rate	20 Mesh rigid PVC	lb/hr	285 - 575
	840 microns	kg/hr	130 - 260

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US Patent # 9, 468,929
US Design Patent # D 734376

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H1D 800

Number of Mills		1	
Disk Diameter		in.	31.5
		mm	800
Total Electrical Power Requirement		HP	218
		KW	160
Mill Motor		HP	200
		KW	147
Voltages Available			As Required
System Base Width x Depth		in.	112 x 72
		mm	2845 x 1829
System Maximum Height		in.	236
		mm	5994
Sifter Type			Centrifugal
Total Sifter Screen Area (8 decks)		in²	4974
		cm²	32096
Method of Grind Gap Adjustment		External While Running	
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	1480 - 3140
	600 microns	kg/hr	673 - 1427

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





Number of Mills		1
Disk Diameter	in.	10
	mm	254
Total Electrical Power Requirement	HP	10
	KW	7.35
Mill Motor	HP	10
	KW	7.35
Voltages Available		As Required
System Base Width x Depth	in.	50 x 49
	mm	1270 x 1245
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

OPTIONS PRICED ON REQUEST	PULVERIZER MODELS						
	AF H2D500	AF H1D500	AF H1D420	AF H1D320	AF H1D 250	H1D 800	AF LAB
Vacuum hopper loader		X	X	X	X		
Material pickup unit	X	X	X	X	X	X	
Finish material transfer unit	X	X	X	X	X	X	
Split easy clean swivel cyclone	X	X	X			X	
Pneumatic sieve compression system	X	X	X			X	
Quick clean gate	X	X	X	X	X	X	
Enclosed ladder to cyclone platform	X	X	X			X	
Swivel arm c/w chain hoist	X	X	X				
Bag house dust collector with blow back capabilities	X	X	X	X	X	X	
Secondary closed loop cyclone dust collector system	X	X	X	X	X	X	
Piping system for dust collector	X	X	X	X	X	X	
Metal separator	X	X	X	X	X	X	
Pulverizing discs	X	X	X	X	X	X	X
Sifter screens	X	X	X	X	X	X	
Chiller						X	
Pulverized Material Receiver							X
Transportation cost including insurance	X	X	X	X	X	X	X
Implant Technical training and startup	X	X	X	X	X	X	



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