

We make naller marter

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 do	ublo faced discs)	in.	19.7
DISK DIAMETER (4 00	uble laced discs)	mm	500
Total Electrical Power	or Doguiromont	HP	320
Total Liectifical Fow	er nequirement	KW	238
Mill Motor		HP	150
IVIIII IVIOLOI		KW	112
Voltages Available As Requir			
System Base Width	y Donth	in.	86 x 84
System base widin	х Бериі	mm	2185 x 2134
System Maximum H	loight	in.	242
System Maximum I	leigiit	mm	6147
Sifter Type		Centrifugal	
Total Sifter Screen Area (8 decks)		in ²	4974
Total Silter Screen F	ilea (o decks)	cm ²	32096
Method of Grind Ga	Externa	al While Running	
Rate Control Type (T	emp, Amps, Both)		Both
Computer Controls	Included		Yes
Touchscreen Adjust		Yes	
Touchscreen Adjust		Yes	
Production Rate	30 Mesh LLDPE	lb/hr	2500 - 3500
FIUUUCIIOII Nale	600 microns	kg/hr	1136 - 1590
		PVC lb/hr 3000 - 40	
Production Rate	20 Mesh rigid PVC	lb/hr	3000 - 4000

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

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AF H1D 500

Number of Mills		1			
Disk Diameter (2 do	uble faced diece)	in.	19.7		
DISK DIAMETER (2 UU	uble laceu uiscs)	mm	500		
Total Floatrical Days	er Daguirament	HP	168		
Total Electrical Powe	r Requirement	KW	125		
Mill Motor		HP	150		
Mill Motor		KW	112		
Voltages Available			As Required		
Custom Daga Wielth	v Donath	in.	85 x 71		
System Base Width x Depth		mm	2159 x 1803		
Custom Maximum III	oight	in.	220		
System Maximum Height		mm	5588		
Sifter Type		Centrifugal			
Total Sifter Screen Area (6 decks)		in ²	3731		
		cm ²	24072		
Method of Grind Gap	Externa	l While Running			
Rate Control Type (T		Both			
Computer Controls I		Yes			
Touchscreen Adjusta	Yes				
Touchscreen Adjusta		Yes			
Production Rate	30 Mesh LLDPE	lb/hr	1600 - 2600		
Production Rate	600 microns	kg/hr 725 - 1180			
Draduation Data	20 Mesh rigid PVC	lb/hr	2400 - 3400		
Production Rate	840 microns	kg/hr	1100 - 1550		

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

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AF H1D 420







Number of Mills			1	
Disk Diameter (2 do	uhla facad discs)	in.	16.6	
DISK DIAMETER (2 00	uble laced discs)	mm	420	
Total Floatrical Days	or Doguiroment	HP	85	
Total Electrical Powe	r Requirement	KW	63	
Mill Motor		HP	75	
IVIIII IVIOLOI		KW	56	
Voltages Available			As Required	
Custom Dago Width	v. Donath	in.	85 x 71	
System Base width	х рериі	mm	2159 x 1803	
Custom Maximum II	aight	in.	213	
System Maximum n	railable se Width x Depth n ximum Height Screen Area (4 decks) Grind Gap Adjustmen	mm	5410	
Sifter Type		Centrifugal		
Total Ciftor Coroon A	ran (4 danka)	in ²	2487	
Total Sitter Screen A	rea (4 decks)	cm ²	16048	
Method of Grind Gap	thod of Grind Gap Adjustmen External While Runnin			
Rate Control Type (T		Both		
Computer Controls I	ncluded		Yes	
Touchscreen Adjusta	able High Temp Control		Yes	
Touchscreen Adjusta	able High Amp Control		Yes	
Production Rate	30 Mesh LLDPE	lb/hr	1100 - 1760	
Production Rate	600 microns	kg/hr	500 - 800	
Draduation Dat	20 Mesh rigid PVC	lb/hr	1540 - 2090	
Production Rate	840 microns	kg/hr	700 - 950	

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

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AF H1D 320



Number of Mills		1			
Disk Diameter (2 dou	ible faced discs)	in.	12.6		
DISK Diameter (2 doc	ible faced discs)	mm	320		
Total Electrical Power	r Paguiroment	HP	61.5		
Total Liectifical Fower	i nequirement	KW	45		
Mill Motor		HP	50		
Will Wotor		KW	37		
Voltages Available			As Required		
Custom Rose Width	Donth	in.	61 x 65		
System Base Width x	С Дерин	mm	1549 x 1651		
Custom Maximum Ho	in.	187			
System Maximum He	mm	4750			
Sifter Type		Gyroscopic			
Total Sifter Screen A	in ²	1866			
Total Siller Screen A	cm ²	12036			
Method of Grind Gap	External	While Running			
Rate Control Type (Te		Both			
Computer Controls Ir		Yes			
Touchscreen Adjusta		Yes			
Touchscreen Adjusta		Yes			
Production Rate	30 Mesh LLDPE	lb/hr	450 - 750		
Production Rate	600 microns	kg/hr	205 - 340		
Production Rate	20 Mesh rigid PVC	lb/hr	550 - 900		
riouuciioii naië	840 microns	kg/hr	255 - 410		

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

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AF H1D 250







Number of Mills		1			
Disk Diameter		in.	10		
DISK DIAMETER		mm	250		
Total Electrical Powe	r Doguiromont	HP	35		
Total Electrical Fowe	i nequirement	KW	26		
Mill Motor		HP	30		
IVIIII IVIOLOI		KW	22		
Voltages Available			As Required		
Custom Book Width	, Donth	in.	53 X 71		
System Base Width	С Дерит	mm	1346 x 1803		
Custom Mavimum III	night	in.	149		
System Maximum He	eigni	mm	3784		
Sifter Type			Gyroscopic		
Total Ciftar Caraan Araa (2 daala)		in ²	1244		
Total Sifter Screen Area (2 decks)		cm ²	8024		
Method of Grind Gap Adjustment		External \	External While Running		
Rate Control Type (Te	emp, Amps, Both)		Both		
Computer Controls In	ncluded		Yes		
Touchscreen Adjusta		Yes			
Touchscreen Adjusta	ble High Amp Control		Yes		
,	ble High Amp Control 30 Mesh LLDPE	lb/hr	Yes 235 - 400		
Touchscreen Adjusta		lb/hr kg/hr			
,	30 Mesh LLDPE		235 - 400		

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

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H1D 800

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Number of Mills			1		
Disk Diameter		in.	31.5		
		mm	800		
Total Electrical Power	or Requirement	HP	218		
Total Liectifical Fowe	er nequirement	KW	160		
Mill Motor		HP	200		
WIIII WOOO		KW	147		
Voltages Available		As Required			
System Rasa Width	y Donth	in.	112 x 72		
System Base Width x Depth		mm	2845 x 1829		
System Maximum Height		in.	236		
		mm	5994		
Sifter Type			Centrifugal		
Total Sifter Screen Area (8 decks)		in ²	4974		
		cm ²	32096		
Method of Grind Gap	o Adjustment	External \	External While Running		
Rate Control Type (T		Both			
Computer Controls I		Yes			
Touchscreen Adjusta		Yes			
Touchscreen Adjusta		Yes			
Production Rate	30 Mesh LLDPE	lb/hr	1480 - 3140		
Production Rate	600 microns	kg/hr	673 -1427		

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



AF LAB





Number of Mills		1
Diak Diameter	in.	10
Disk Diameter Total Electrical Power Requirement Mill Motor Voltages Available System Base Width x Depth	mm	254
Mill Motor	HP	10
Total Electrical Power Requirement	KW	7.35
Mill Motor	HP	10
IVIIII IVIOLOI	KW	7.35
Voltages Available		As Required
Disk Diameter Total Electrical Power Requirement Mill Motor Voltages Available System Base Width x Depth System Maximum Height	in.	50 x 49
	mm	1270 x 1245
Custom Maximum Haight	in.	70
Mill Motor Voltages Available System Base Width x Depth	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

PULVERIZER MODELS

	. 52.2.1.22.1.1.052.25						
OPTIONS PRICED ON REQUEST	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	
Split easy clean swivel cyclone	X	x	x			x	
Pneumatic sieve compression system	X	х	x			х	
Quick clean gate	x	х	x	X	х	х	
Enclosed ladder to cyclone platform	X	x	x			x	
Swivel arm c/w chain hoist	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	
Piping system for dust collector	X	x	X	X	X	x	
Metal separator	X	x	×	x	x	x	
Pulverizing discs	X	x	x	X	x	x	X
Sifter screens	x	х	х	x	х	x	
Chiller						x	
Pulverized Material Receiver							х
Transportation cost including insurance	Х	Х	X	Х	Х	x	х
Implant Technical training and startup	х	х	X	х	Х	x	



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