



ACM 系列微磨粉系统 Micron Grinding System Of Series ACM

ACM 系列微磨粉系统具有高速粉碎、空气分级、旋风分离、筛分及超细粉收集等功能。调节系统的运行参数可以获得理想、稳定的粉末粒径分布。ACM系列微磨粉系统是生产粉末涂料的主要设备。也可用于颜料、钙粉、炭粉、药品及食品的粉碎。

主要先进技术性能:

- 粒径分布稳定
- 产品粒径分布可调
- 产量高
- 磨体温度监控
- 系统压力监控 (选购)
- 螺旋/风力进料系统
- 回收率高 (≥98%)
- 易于清机和维修
- 符合欧洲ATEX防爆设计标准
- 操作安全

The micron grinding system of series ACM is designed with high speed grinding, air classifying, cyclone separating, sifting and fine powder collecting. A perfect particle size distribution of powder coatings could be obtained by adjusting the running parameters of micron grinding system. This Grinding System can be also used to produce other product such as pigment, calcium, carbonate, medicine and food.

Feature

- Stable particle size distribution
- Particle size distribution adjustable
- High output
- Grinder Temperature monitor
- System pressure monitor(option)
- Screw/pneumatic feeding(option)
- Cooling air intake(option)
- Recovery rate ≥98%
- Easy to clean and maintenance
- Comply with European ATEX design standard for preventing explosion
- Safe to operate

从粒径分布曲线可以得到有关ACM微磨粉系统的重要信息:

- 对ACM微磨粉系统技术性能总的评价
- 为正确选用ACM微磨粉系统运行参数提供依据
- 关于ACM微磨粉系统回收率的信息

The particle size distribution curve and data will provide important information concerning to ACM micron grinding system:

- Appraisalment about the technical performance of particle size distribution
- Guidance for select and optimum the operation parameters of ACM micron powder grinding system
- Estimating the recovery rate of ACM micron grinding system.

型号及规格 Specification

型号 Model	ACM-10	ACM-15	ACM-20	ACM-30	ACM-40	ACM-50	ACM-60
产量 Throughput (Kg/h)	200	300	400	600	800	1000	1200
主机功率 Rotor Motor (kW)	7.5	11	15	22	30	37	45
主机转速 Rotor Speed (rpm)	7000	7000	6500	5500	4200	3800	3000
分级功率 Classifier Motor (kW)	1.5	1.5	1.5	4	5.5	7.5	7.5
分级转速 Classifier Speed (rpm)	0-2980	0-2980	0-2980	0-2980	0-2980	0-2980	0-2980
风机功率 FanMotor (kW)	7.5	11	15	30	30	37	45
风量 Air Intake (m ³ /h)	1000	1500	2000	3000	4000	5000	6000
外形尺寸 Dimension (m x m x m)	6.5 x 1.7 x 4.0	6.8 x 1.7 x 4.3	7.0x1.8x4.3	7.2 x 1.8 x 4.3	9.0 x 2.2 x 4.8	12 x 3.2 x 6.5	16 x 4.2 x 7.9



Yantai Yuanli Machinery Manufacturing Co. Ltd

ACM GRINDING SYSTEM-E Series



I.General information

Model	ME-10	ME-15	ME-20	ME-25	ME-30	ME-35	ME-50	ME-60
Capacity (KG/H)	100-150	150-200	200-300	300-400	400-500	500-600	600-800	800-1000
Main Drive(kW)	7.5	11	15	15	22	22	30	45
Classifier power(kW)	1.1	2.2	2.2	2.2	3	4	4	5.5
Blower power(kW)	7.5	11	15	22	22	30	30	45
Feeding drive power (kW)	0.55							
Rotary screen power (kW)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Total installed power(kW)	14	25	35	42	49	59	73	98
Air consumption(M ³ /MIN)	30	40	45	60	60	70	70	90
Over Dimension(MM)	6500*2700*3600	6500*2700*3600	7500*2800*4200	7500*2800*4200	8500*2800*4500	9500*2800*4500	10000*3000*4700	11000*3000*4800
Weight(KG)	2100	2350	3700	4200	4500	4850	5500	6541

II. Main Characteristics:



- ✧ Split - Hinged Grinding Chamber to allow easy access and cleaning the mill internals.
- ✧ Satisfied Particle Size Distribution.
- ✧ Electric opening mill cap quipped with safety limit switch.
- ✧ Butterfly valves installed at air inlet for air distributing.
- ✧ Rotary sieve discharge port is equipped with dust collector to reduce dust spread
- ✧ Ground feeding system to match with cooling conveyor's trolley.
- ✧ Designed negative pressure air inlet mechanism of grinding cover increases the difficulties to stuck powder at impeller and grinding cover.
- ✧ Materials:
 - Liner: 38CrMoAL
 - Pin: GCr15
 - Hammer: Cr12Mov
 - Shroud ring: Stainless Steel
 - Classifier: Stainless Steel

III Electrical Control

- ✧ Chinese top brand Gearbox
- ✧ **Siemens/ABB** Main Drive
- ✧ **Siemens** PLC
- ✧ **Schneider** Inverter
- ✧ **Siemens/Schneider** Inverter
- ✧ **Schneider Main** LV electrical parts
- ✧ **SKF** Bearings




IV Standard configuration:


Description	E series	Pictures
Ground Feeder	include	
Over-sized powder recycling system	include	

Semi Weighing System	include	
Heat Exchanger (Enlarge one model)	include	

V. Optional

<p>Additive feeder (PPS)- Twin screw</p> <ul style="list-style-type: none"> ✓ Twin screw feeder for additive feeding ✓ The feeder is intalled on frame with casters for easy clean and maintenance. ✓ One stirrer installed inside of hopper for easy flow of additive. ✓ Feeding motor: 0.18 kW, AC motor 	
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VI Standard Spare Parts List

Components	Pictures	Free Quantity
Pipe clamp		2PCs
Filter bag		1 set
Filter bag Spring frame		4 sets

Pulse valve		3PCs
Digital Apmeter		1PC
PT100		2PCs
Bolts		8PCs
Nuts		8PCs
Flat belt/V-Belt		2 set
Main Chamber Rotor		1PC
Main Chamber Rotor bearing		1 Set
Classifier		1set
Pins		2 Sets
Teeth Ring		1PC
Pin Disk without pins		1set

Sieve Screen frame		1 set
Sieve clamp		4 sets
Sieve screen		6PCs

Note: Pictures are for reference only, please refer to the actual product