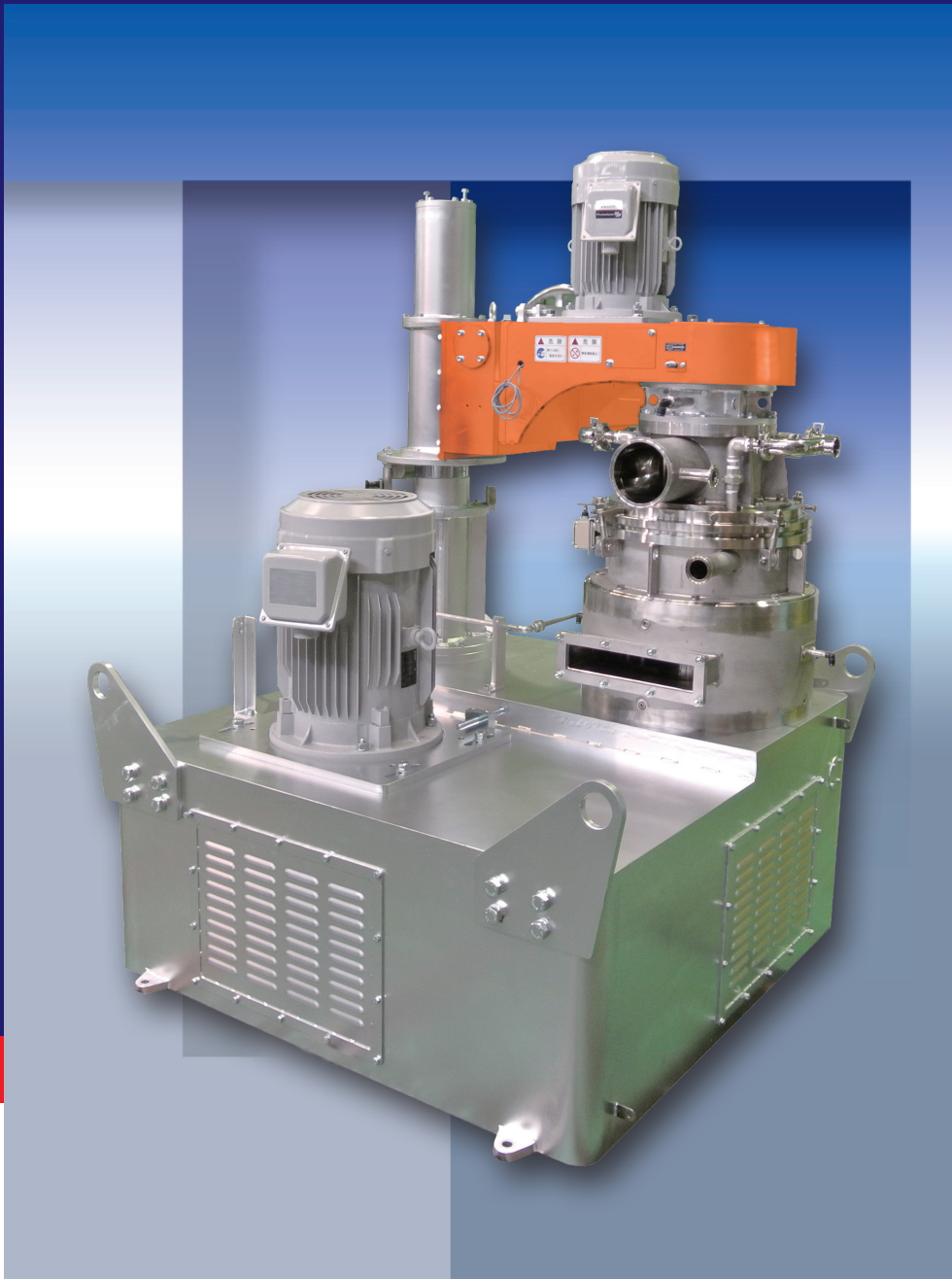


# HOSOKAWA / MIKRO ACM Pulverizer Model CR Impact Type Ultra Fine Mill

New  
Product



Process Technologies for Tomorrow

**HOSOKAWA MICRON CORPORATION**



Process Technologies for Tomorrow

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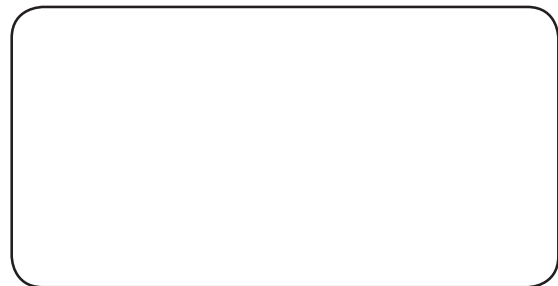
URL <http://www.hosokawamicron.com/>

1-9, Shodaitajika, Hirakata-shi, Osaka 573-1132, Japan  
TEL : +81-72-855-2224 FAX : +81-72-855-2679

**Hosokawa Micron (Korea) Ltd.**  
Phone : 82-2-420-5691, Fax : 82-2-420-5693  
URL : <http://www.hosokawakorea.co.kr/>

**Hosokawa Micron (Shanghai) Powder Machinery Co. Ltd.**  
Phone : 86-21-5306-8031, Fax : 86-21-6404-7579  
URL : <http://www.hosokawa.com.cn/>

**Hosokawa Micron (Malaysia) Sdn. Bhd.**  
Phone : 60-3-7725-7433, Fax : 60-3-7725-6433  
URL : <http://hosokawa.com.my/>



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Our quotations are authoritative with regard to orders.



## ACM-CR:

ACM-CR is an impact type air classifying ultra fine mill that can apply to the fields required for jet mill.

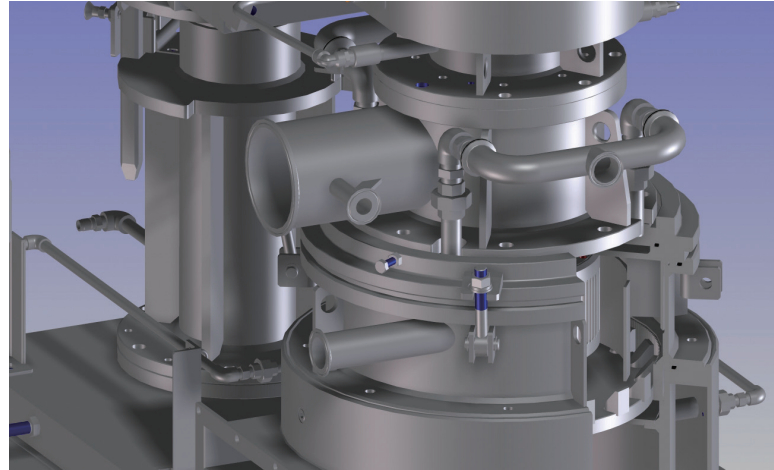
## SUMMARY

The ACM-CR is an ACM Pulverizer, widely used worldwide, with a high performance air classifier adopted from a jet mill. The result is a mechanical mill with performance approaching jet mill levels.

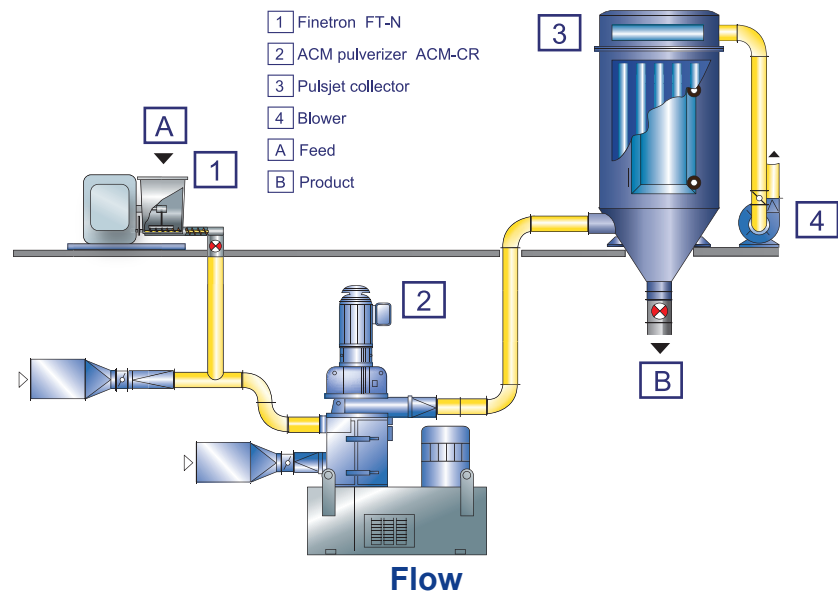
## PRINCIPLE

The ACM-CR operates with the same principles as the conventional ACM Pulverizer. The ACM utilizes a closed circuit grinding mechanism, and can re-grind the returned coarse material by the strong impact forces generated by the hammers and liner. The grinding rotor efficiently grinds material fed through the feed inlet. The ground powders and unground feed materials are pneumatic conveyed to the integrated classifying section by the circulating airflow. The fine powders are discharged through the classifying wheel and are as product. The coarse material drops down along the guide ring back to the grinding chamber due to centrifugal force of classifier.

ACM-CR achieves ultra fine grind with the combination of high speed grinding disc with specially designed hammers, and a unique built-in high performance classifier.

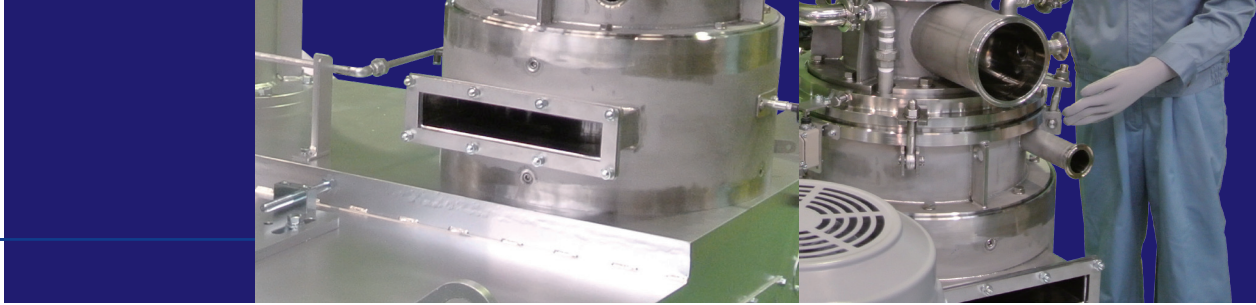


Structure



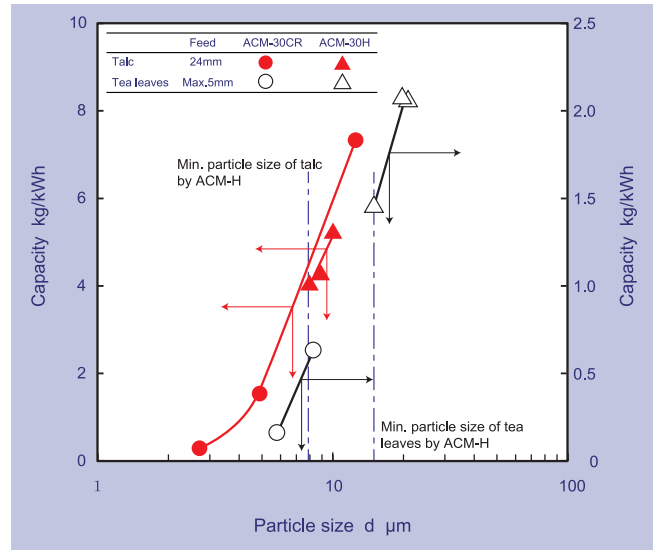
## SPECIFICATION

Model		ACM-	30CR	60CR
Motor	Mill	(kW)	22	45
	Classify	(kW)	7.5	15
Alr volume		(m <sup>3</sup> /min)	20	40
Dimensions	Width	(mm)	1300	1950
	Length	(mm)	1300	1800
	Height	(mm)	2100	2700
Approx. mass		(kg)	1800	5000

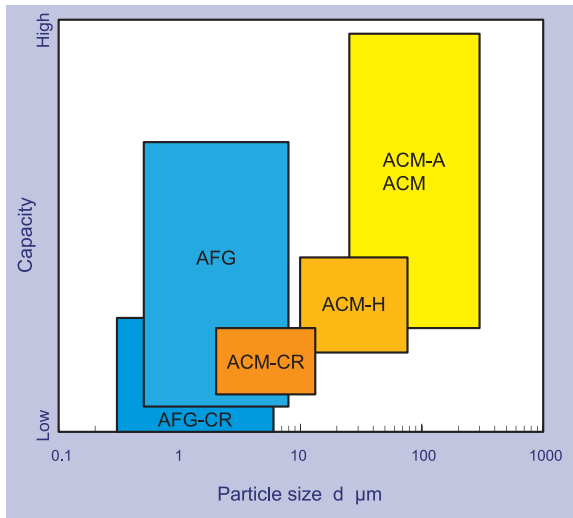


## FEATURES

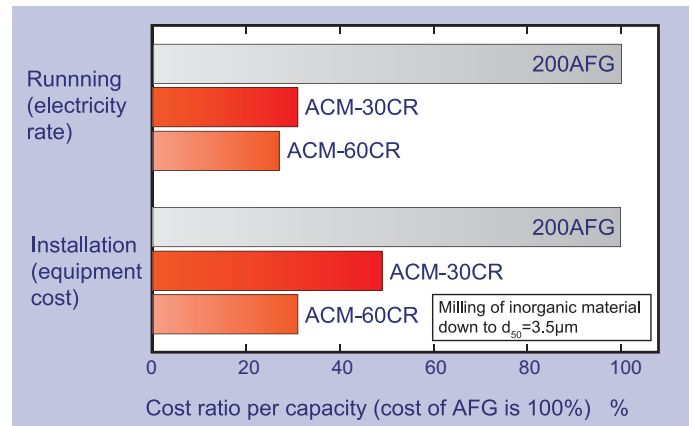
- High grinding ability**  
 It is available to ultra fine region approaching jet mills.
- Reduction of running & installation costs** (Compared with jet mills)  
 Lower costs, due to mechanical grinding principle of ACM-CR, that doesn't required expensive to run compressor
- Easy to adjust particle size**  
 Adjusting particle size during operation is just a matter of the rotating speed changing of classifying wheel and adjusting air volume.



**Comparison with conventional ACM (ACM-H)**



**Selection diagram**



**Costs comparison to jet mill**

## APPLICATION

ACM-CR works on the same principle as the ACM Pulverizer and has the same wide range of applications.

Feed	Feed particle size	Average particle size of product ( $\mu\text{m}$ )	Capacity (kg/h)
Natural graphite	$d_{50} = 150\mu\text{m}$	2.6	10
		10	70
Talc	$d_{50} = 24\mu\text{m}$	2.6	15
		4.6	60
		12	205
Green tea (Tea leaves)	Max. 5mm	6.0	12
		9.0	28
		15	65

The above data is reference by ACM-30CR.