

RAYMOND
ROLLER MILL

DASWELL

Dedicated to provide better machinery

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We help to build a better world



RAYMOND ROLLER MILL

Dedicated to provide better machinery

WE INSIST

Customers First | Dedication | Perseverance

COMPANY INTRODUCTION

2023



Daswell is a China based high quality machinery supplier. Our company has over 30 years experience. With several producing bases in China, we can provide many kinds of heavy machinery with high quality.

So far, our products are exported to more than 80 countries overseas, such as Germany, USA, Norway, Ireland, Philippines, Indonesia, Egypt and so on. In order to provide better service to customers, we established subsidiary companies and branch offices in different countries, like Philippines, Indonesia, Pakistan, Egypt, Peru, and Uzbekistan.

We are growing mainly by our good reputation year by year, as we always promise to supply high quality products with good service all the time.

Daswell aims to provide better machinery to create more value for customers, and help to build a better world together.

Company History Timelines

The Pursuit of excellence



Started producing

Original team started producing concrete machine.

1986



First exported to Columbia

First export order of concrete mixer to Columbia.

2009



First exported to Egypt

First crushing and grinding plant exported to Egypt.

2010



Registered Daswell

Registered Daswell , branding for high quality heavy machinery.

2012



Got CE certification

Got CE certification, and first exported to Ireland and Germany.

2013



Philippines branch company

Established branch company in Philippines.

2017



Pakistan, Indonesia branch company

Established branch company in Pakistan, Establishd branch company in Indonesia.

2019



Bangladesh, Malaysia branch company

Established branch company in Bangladesh, Established branch company in Malaysia.

2020



Peru, Mexico, Egypt branch company

Established branch company in Peru, Established branch company in Mexico, Established branch company in Egypt .

2022

OFFICE ADDRESS

China offices: No.2 CBD, Zhengzhou New District, Zhengzhou City
Binjiang District, Hangzhou city, Qingzhou city, Shandong Province

Philippines branch company: Henan Daswell Machinery (Philippines) INC. Phase 6 B5L12A
Lot 9 Brookside lane Brgy. San Francisco along Arnaldo, Highway Gen Trias Cavite, the Philippines.

Indonesia Branch company: PT. Daswell Indonesia Group
Komplek Pergudangan Green Sedayu Biz Park Cakung Blok GS 9 No. 35, Kel.
Cakung Timur, Kec. Cakung, Jakarta Timur 13910

Pakistan Branch company: DASWELL MACHINERY PAKISTAN (PRIVATE) LIMITED
57 HAJVERY COMPLEX, 2-MOZANG ROAD, LAHORE, Lahore Data Gunj Bukhsh Town

Bangladesh Branch company: DASWELL MACHINERY BANGLADESH LTD.
F-106, Mohakhali School Road, Dhaka-1212

Egypt Office: Elmearaj Elsofly, Cairo Building no 7127 Flat no. 1

Malaysia branch company: DASWELL MACHINERY MALAYSIA SDN. BHD.
Add: VO3-10-23A, SUNWAY VELOCITY DESIGNER OFFICE, LINGKARAN SV, SUNWAY VELOCITY,
JALAN COCHRANE 55100 KUALA LUMPUR W.P.KUALA LUMPUR MALAYSIA

Peru Branch company : DASWELL PERU E.I.R.L
Number 651 K Carrer JR. THE TREASURE, URB. TUPAC AMARU, SAN LUIS, LIMA, PERU.

Mexico Branch company : DASWELL MEXICO SA DE CV
Rio Guadiana 11, Colonia Cuauhtémoc, Mayor's Office Cuauhtemoc, Mexico City, Mexico

Uzbekistan Branch company : DASWELL LLC
9, Novesergeliyskaya str. Sergeli district, Tashkent city

GLOBAL OFFICE



Introduction

Daswell Raymond Roller Mill

Raymond roller mill is widely used in grinding calcite, limestone, talc, quartz, kaolin and other non-flammable and non-explosive materials with hardness less than 7 in the Mohs and humidity below 6%. It is mainly composed of main machine, classifier, air blower, finished cyclone separator, pipeline, motor and so on. Moreover, its finished product fineness is uniform and the sieving rate can reach 99%. This is a feature that is difficult to achieve with other grinding equipment.

99% Finished powder fineness is uniform
sieve passing rate can reach to 99%

35-180 μ m It can be used to produce 35-180
micron (80-600 mesh) products

10 No. 1 in sales for 10 consecutive years
World-class raymond roller mill quality

40⁺ Sold worldwide
more than 40 countries



Wide application field

Daswell Raymond Roller Mill

Applicable materials

■ Widely used in grinding material with Mohs' hardness less than 7, humidity below 6% of non-flammable and non- explosive material, such as calcite, limestone, talc, quartz, gypsum, feldspar, marble, wollite, bentonite, manganese ore, phosphate ore, ilmenite, mica, kaolin, barite, graphite, etc. The fineness of the finished product is between 180microns and 35 microns (0.180mm-0.035mm). Through the joint action of the analyzer and the fan, it can meet the requirements of different users. The mill is a high efficiency closed-circuit circulation milling equipment. Compared with the ball mill, it has the advantages of high efficiency, low power consumption, small footprint, small capital investment and no environmental pollution.

Application industry

■ Putty powder, double fly powder, paint, coating, highway powder, power plant desulfurization powder, plastic filling, toothpaste, paper making, etc.



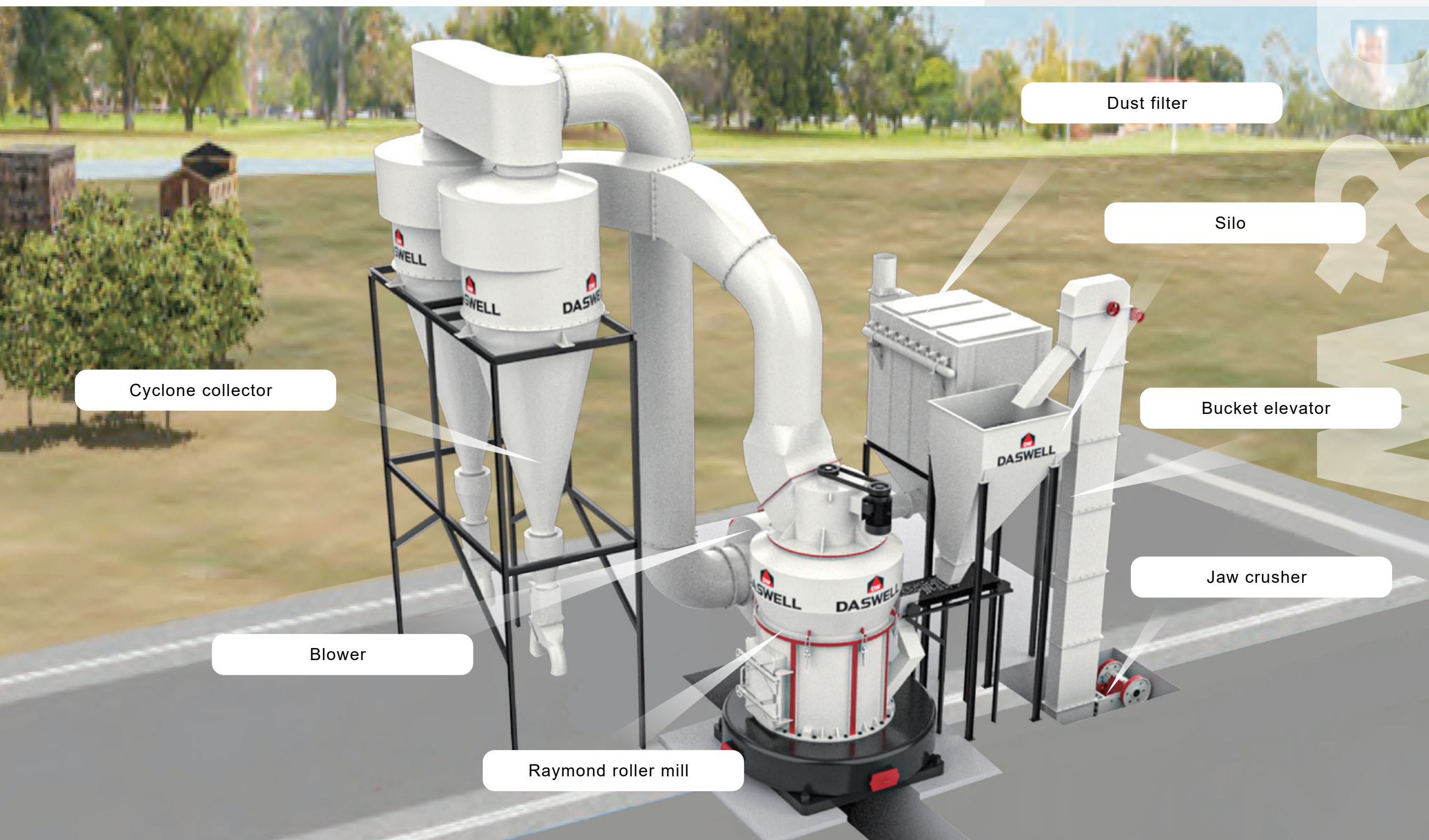
paint



Putty powder



plastic filling

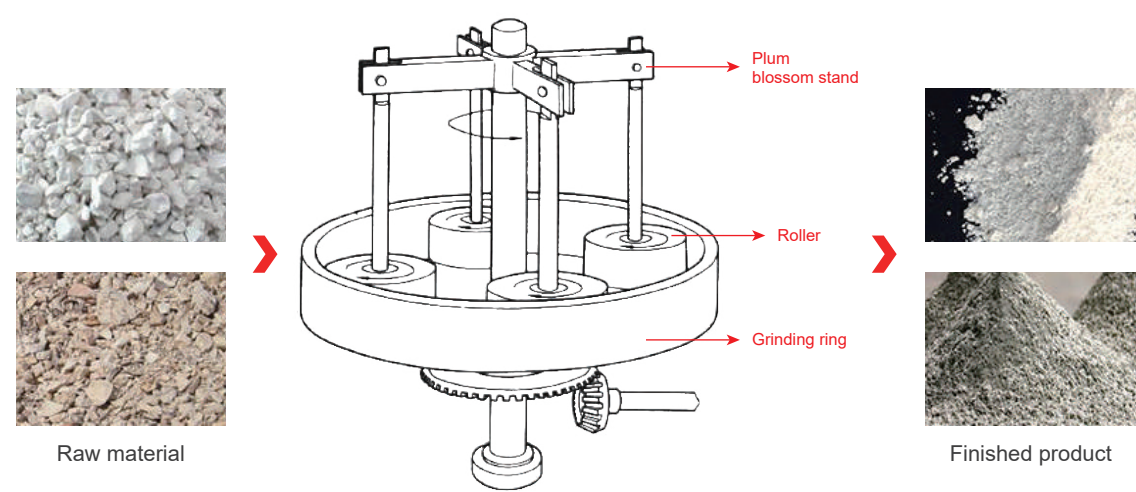


Working Principle

Daswell Raymond Roller Mill

Application industry

■ When Raymond mill works, the material to be crushed is added to the mill from the feed hopper on the side of the casing shell. The grinding roller device hanging on the plum rack of the main machine rotates around the vertical axis and rotates itself. Due to the centrifugal force when rotating, the grinding roller swings outward and presses against the grinding ring, so that the shovel shovels up the material and sends it between the grinding roller and the grinding ring, and achieves the purpose of grinding the material to small size due to the rolling and pressing of the grinding roller.



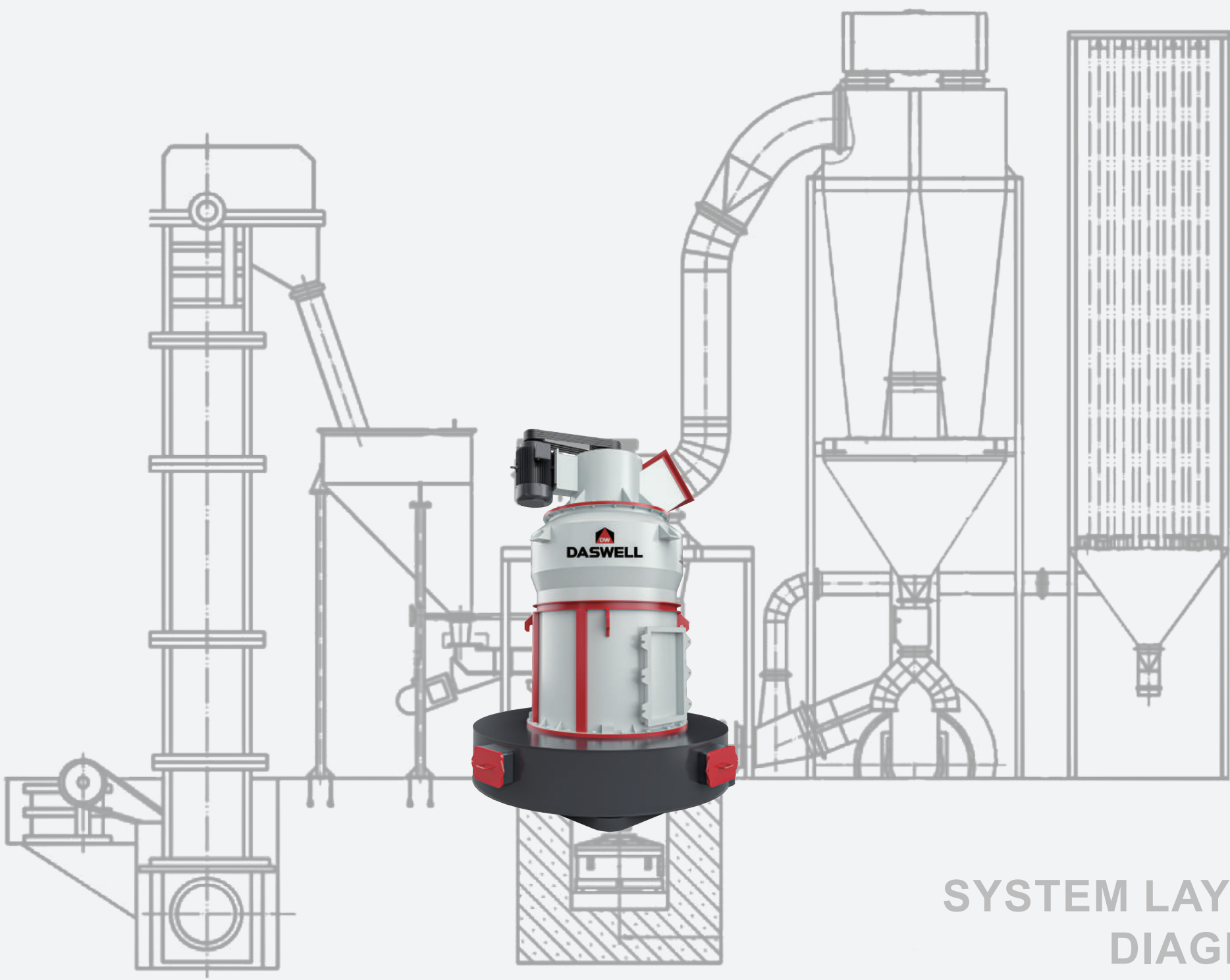
Main grinding assembly



Grinding ring



Roller



6 CORE ADVANTAGES

Daswell Raymond Roller Mill

High strength quality

- Finished powder fineness is uniform
- The main drive device of the grinding machine adopts closed gear box and belt wheel
- sieve passing rate can reach to

99%

Intelligent Control System

- The electric system adopts centralized control system
- The control system is 20% better than the industry

20%

Efficiency upgrade

- Large grinding area
- Blower improvement
- New grinding roller device

High air pressure

Comprehensive structural design

- Covers small area
- High classification accuracy
- The particle size of the finished product can be adjusted within 35-180 microns.

Material upgrade

- Made of high quality steel
- Large amount of shoveling material

Big shovel

Energy saving

- The dust pollution is small
- Arc no resistance air duct

Low pollution



N_{0.1} -- HIGH STRENGTH QUALITY

Finished powder fineness is uniform

sieve passing rate can reach to

99%



Transmission

The main drive device of the grinding machine adopts closed gear box and belt wheel, stable transmission and reliable operation.

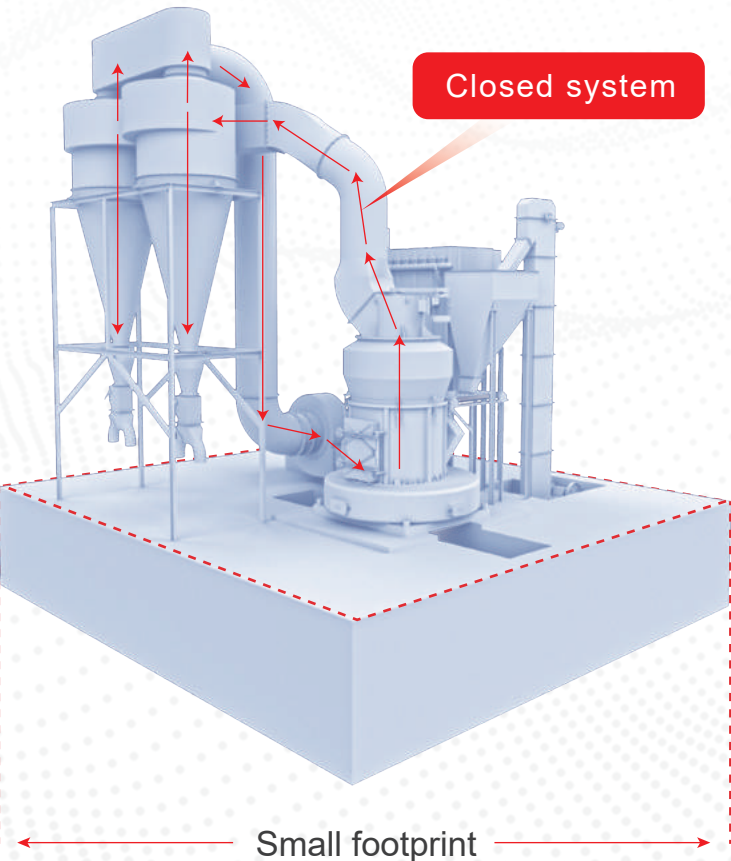


N_{0.2} -- COMPREHENSIVE STRUCTURAL DESIGN

Closed cycle processing

The traditional part of the analytical machine is changed from the drag type in the cavity to the hanging outside the cavity, so that the two rotations in the transmission cavity are isolated, and the center does not swing, thereby enhancing the stability of the work

- Raymond roller mill production line adopts vertical structure, covers small area, and it is a complete system to process the lumps to the finished powder.



High classification accuracy

large classification turbine is adopted, with high passing rate and large air volume. And the end face of the impeller and the end face of the outlet form a labyrinth seal, the system is not easy to form short circuit powder, and it has high classification accuracy, the particle size of the finished product can be adjusted within 35-180 microns.



Finished product size
35-180 μm

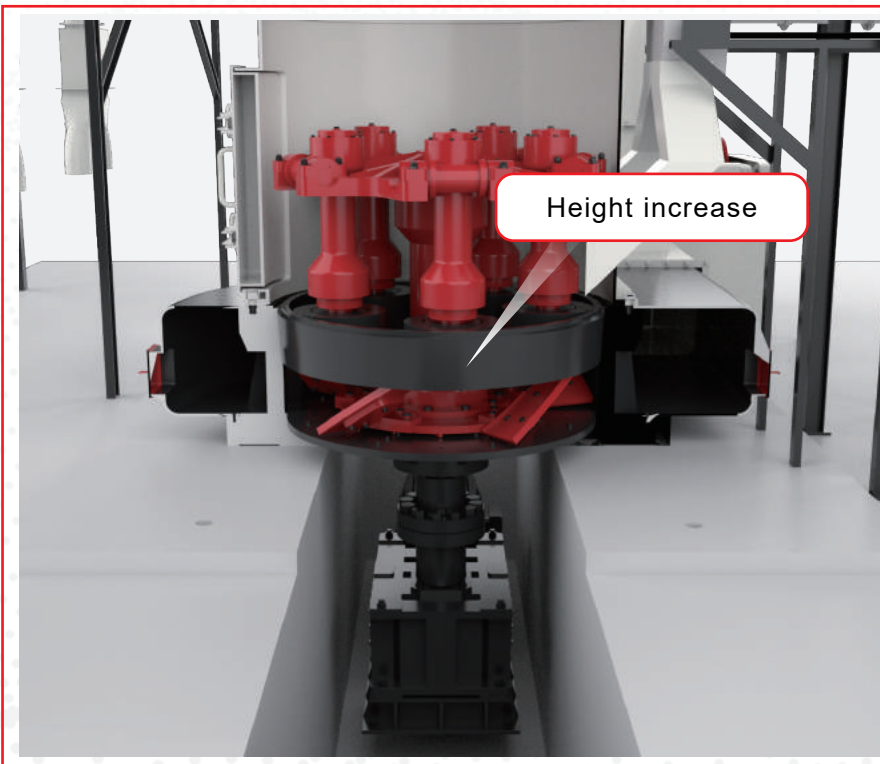
N_{0.3} INTELLIGENT CONTROL SYSTEM

- The electric system adopts centralized control system; the grinding workshop can basically realize unmanned operation and easy maintenance.
- The whole equipment has high output and low energy consumption.



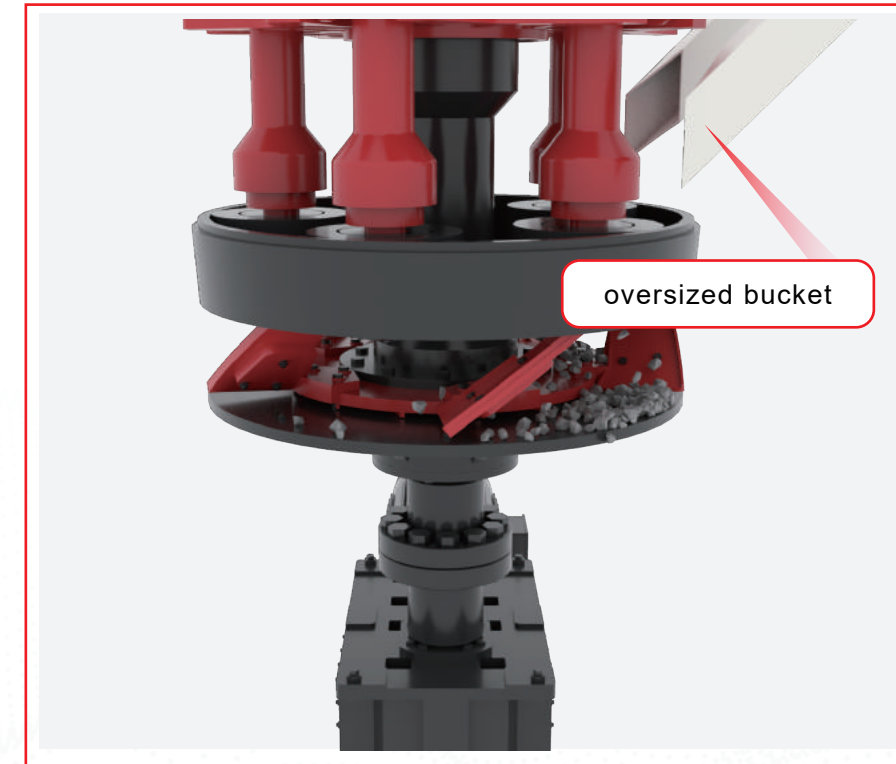
N_{0.4} EFFICIENCY UPGRADE

- **Large grinding area:** increased height of grinding roller and grinding ring.
- **New grinding roller device:** The grinding roller device adopts the new maintenance-free structure and reliable seal, and its bearing is lubricated by oil with low fuel consumption, low maintenance cost.
- **Blower improvement:** high pressure blower is used to increase air volume and air pressure, which greatly improves the pneumatic conveying capacity.



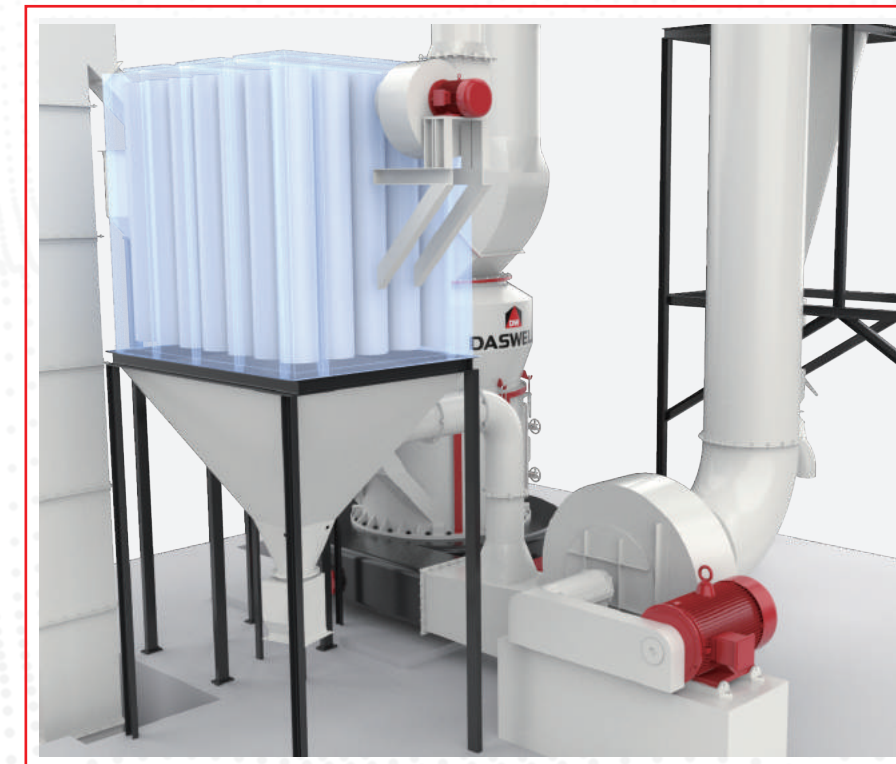
N_{0.5} MATERIAL UPGRADE

- The important parts of Raymond mill are made of high quality steel, its wear-resisting parts are made of high-performance wear-resisting materials, and the whole machine has high wear-resisting performance and reliable operation.
- **Large amount of shoveling material:** large shovel blade is used to send materials to the middle of grinding roller and grinding ring to the maximum extent for grinding. The shovel is made of alloy steel, durable.



N_{0.6} ENERGY SAVING

- The residual air is collected by bag type dust collector or pulse dust collector, and the dust pollution is small.
- **Arc no resistance air duct:** The air duct adopts arc no resistance air duct design to reduce air resistance and reduce air loss, thus it has good material flow direction, so as to increase the powder passing rate of the classifier.



Main specification: |

Daswell Raymond Roller Mill

Technical parameter							
Model	3R1000	3R1224	3R1328	4R1630	4R1730	4R1830	4R2130
Roller quantity (piece)	3	3	4	4	4	4	4
Max. feeding size (mm)	20	20	20	30	30	35	35
Product size (μm)	25-180	35-180	35-180	35-180	35-180	45-180	45-180
Capacity (t/h) (based on different raw material fineness)	1-7	2-10	2-14	2.5-24	3-25	6-30	12-40
Roller ring outer diameter (mm)	Φ970	Φ1280	Φ1300	Φ1620	Φ1700	Φ1850	Φ2150
Total power (kw)	97	145	202	264	322	417	545

Construction Cases

Daswell Raymond Roller Mill



Corporate Culture

Build a better world with high-quality products

With 37 years of focus on machinery and equipment manufacturing, we adhere to the original intention, only to make better machinery and equipment.

1986-2023

Enterprise mission: Build a better world.

Enterprise vision: Dedicated to provide better machinery

Enterprise values: Customer-oriented, dedicated employees as our foundation, take an unremitting effort.

After-Sales Service

Daswell--Be a good helper to customers

DASWELL upholds the integrity management, customer first service tenet, in addition to the excellent product and excellent solution design, DASWELL also has a thoughtful perfect pre-sale and after-sale technical services, help solve the problems from project consultation, field survey, and sample analysis to the project design, installation, debugging, maintenance, etc. Ensure that all parts are properly connected with customers and timely solve customer needs.

- DASWELL has skilled and experienced after-sales maintenance service engineers, who can timely provide satisfactory solutions to customer problems.
- We will build a WeChat group or WhatsApp group for each customer. If you have any questions, you can feedback at any time. We will provide uninterrupted service for you 24 hours, 365 days.
- Within the warranty period (within 12 months from the date of completion of debugging), we will provide repair for the damage caused by human causes, and only charge the cost price for the materials and accessories used in the repair. Our company is responsible for the repair or replacement of any problem or damage caused by non-human causes.
- Adequate parts library. There are various types of accessories for all kinds of equipment in the accessories library to prevent the operation and production of customer equipment from being delayed due to the lack of accessories.

