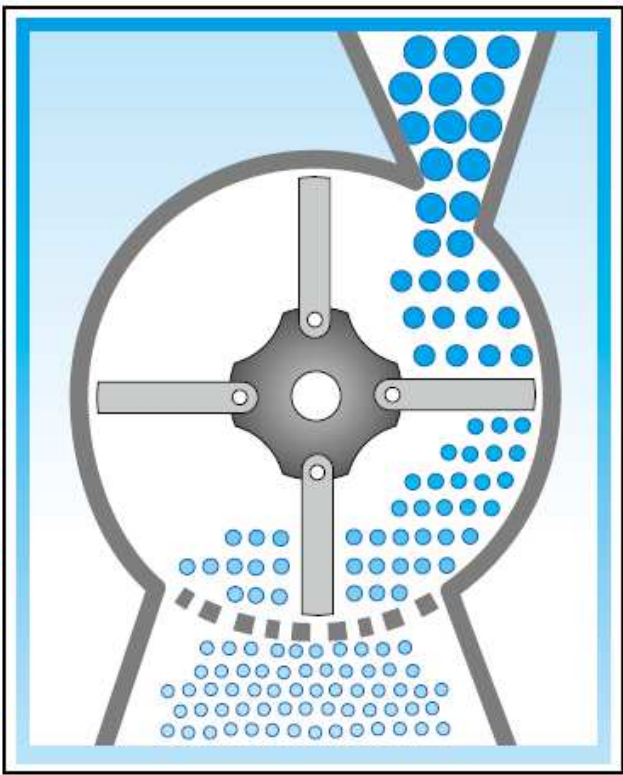
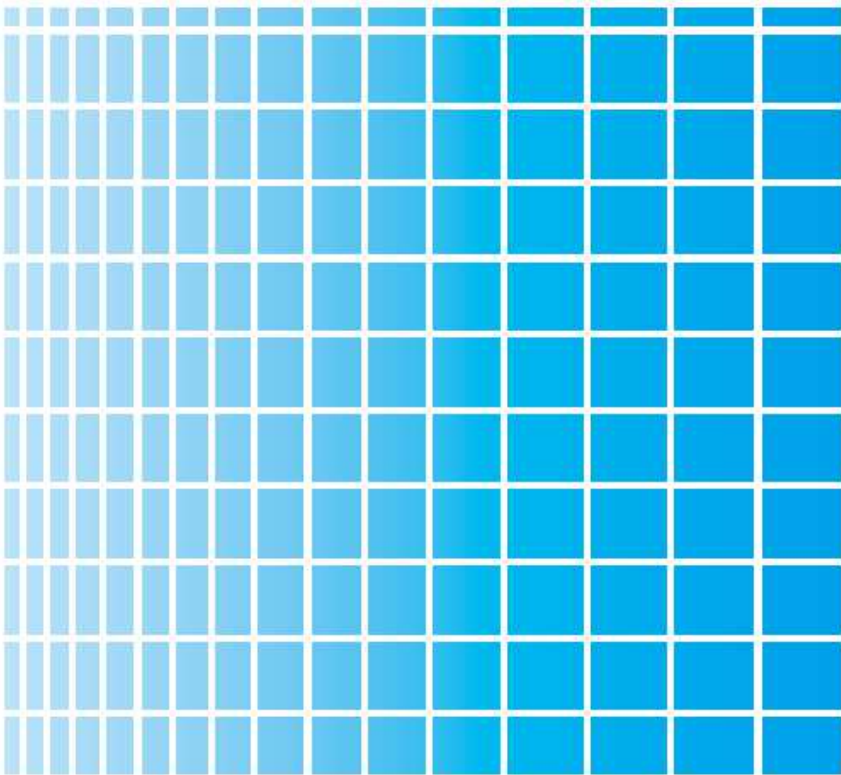


Company profile



MAKINO MFG CO., LTD.

Company's History & Outline

How about Convenient and unique company?

The performance and the evaluation of Makino-type crusher which is our main product has proven by our history which continues for over 90 years.

For the later industry development, we met various demands with the diversification. We improved our crushers and developed various crushers, and also classifier, transporter, mixer, dust-collector. We design every equipments about powders and the plant which utilized those equipments and produce and sale them. We pursue "Convenient and unique company" as powders equipments' manufacturer and we pushed forward improvement of our products as a matter of course of development, we have aggressively tied up with regardless of inside and outside the country, superior equipment manufacturers.

We return to basics most which "How can we manufacture the products at a low cost, high performance and reliable?" and the review of the equipments and facilities are pressed us. Also crushing technology and powders production technology are necessary for recycling campaign to be derived from the environmental problem on the earth scale. Therefore our technology which has long experience and know-how for a crusher and powders production is evaluated.

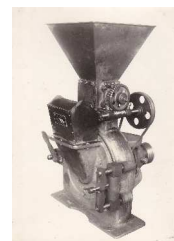
In the future, we do not forget a mission as powders equipments' manufacturer and make an effort still more. We look forward to receiving further patronage.

Company History

Feb. 8, 1926	Makino Iron Works was established by Giichirou Makino. Production start of Makino type pulverizer
Jun. 4, 1943	Reorganization into Makino Mfg. Co., Ltd.
1958	Yasuo Makino assumed the position of president.
1990	Sole sales representation of QUALITY CONTROL EQUIPMENT in Japan and started to import & sale the Auto Sampler.
1991	Sole sales representation of PELLETRON CORP in Japan & Taiwan and started to import and sale the Deduster.
1992	Sole sales representation of Ramsey in Japan and started to import and sale Auto Sampler.
2001	Toshimitsu Makino assumed the position of president.
2002	Sales representation of ZERMA Co. in Japan and started to import & sale the crusher for plastics.
2004	Sales representation of MINOX Co.in Japan and started to import & sale the analysis screen device.
2011	Sales representation of Strautmann and Martin-Yale and started to import & sale the recycling machines for work papers.
2012	Recognized the story of Katsushika town workshops of the brand which is recognized in Katsushika-ku



The history of MAKINO starts in 1926.



Catalog (1939)



Catalog (2017)

Head office



- Sales
- Engineering
- Manufacturing
- Purchase

2-11-8, Higashi Yotsugi, Katsushika-ku,
Tokyo 124-0014, Japan
TEL:+81-3-3691-8441 FAX:+81-3-3691-8445

Chiba factory



- Test Lab.
- Development
- Research



164 Shin-minato, Mihama-ku, Chiba,
Chiba Pref. 261-0002, Japan
TEL:+81-43-246-2770 FAX:+81-43-246-5731

Products



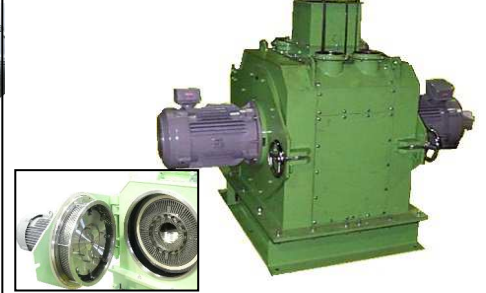
Hammer crusher (HC)

- Impact type crusher
- Smashed by beaters with the high-speed rotating
- Lump materials crushed into several millimeters



Makino-type DD

- Screen type pulverizer
- Suitable for any kind of raw materials for grinding
- Efficiency improves by direct drive.



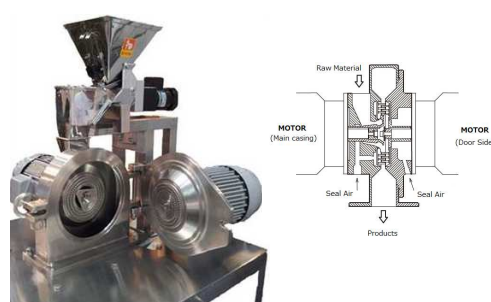
Makino-type DW

- Twin chamber type
- Large capacity with small space
- Efficiency improves by direct drive



Exceed mill (EM)

- Screen-less high speed fine Impact pulverizer
- Fine grinding for detergent, cosmetics, chemical products
- It crushes by super-high-speed turn very finely.



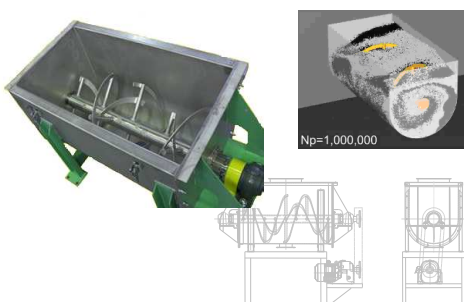
Exceed mill (EM-1A)

- Screen-less high speed fine pulverizer with two opposing pin disks
- An ideal machine for grinding highly adhesive materials



Rotary cutter (RC)

- Shearing mechanism pulverizer
- Product size is adjusted by the screen size.
- High performance with small motor



Ribbon mixer (RMM)

- Batch type simple Mixer
- Mixer has double helix structure for good mixing
- Powder behavior checked by computer simulation



Pot blender (PBS)

- Rotating and swing mechanism
- Directly mixing without take out powder from container
- Mixing for small quantity, for avoid contamination



Micro sifter (MS)

- In-line type air classifier
- Classified particles accurately with the screen
- MS sieve powders containing moisture or oils or electrostatic material

Other technology in MAKINO

Crushing	Protruding teeth crusher, Chip crusher, low speed cutter mill, Twin axial crusher,.....
Pulverizing	Disc type pulverizer, Crusher for film, Makino Type- mini Mill, Micro powder,.....
Separation	Clean sifter, Deduster, Vibrating separator, Magnet separator, Magnet bar,.....
Dryer	Drawer dryer, Hot air roast machine,.....
Detector	Flow detector, Tilt switch, Flow switch,.....
Transportation	Pneumatic transportation, Pivot conveyor, Rotary Valve, Pellbow.....
Others	Bag Filter, Measuring instrument, Auto Sampler,.....



Delivered Equipments and Systems

- Food and feed industry
 - Spices and Seasoning grinding plant (Ginger, Pepper, Chinese medicine, ...)
 - Grain powder production facility (Rice, Soybean, Starch, ...)
 - Sugar, Kelp, Fish meal, Vitamins, Green tea,
- Chemical industry
 - Calcium carbonate, wood, plastic, Carbon fiber, ...
- Recycle industry
 - Battery, Cement board, Electric board, Plastic, Aluminum, Metal separation,...

Overseas business partners

Sampler QCEC (USA)
Deduster: Pelletron Corporation (USA)
Flow switch, Tilt switch: Thermo Ramsey Inc. (USA)
Air Jet sieve: MINOX Siebtechnik GmbH (Germany)
Cutter mill: ZERMA (China)
Shredder: STRANUMANN (Germany), Intimus (Germany)
Rotary Valve: TAICON (Taiwan)

Company information

Capital: 20,000,000 yen
Working staff: 31
Business & Management department: 10
Technical department: 6
Production department: 13
Test & development department: 2



MAKINO MFG CO., LTD.

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