Colloid & Corundum Disk Mills for the food industry
The IKA® Colloid Mills are used for wet milling of liquid to high viscous suspensions. The very stable bearing of the rotor shaft, the special mechanical seal as well as the milling chamber and the milling tools have especially been designed for the requirements of the food industry. This allows an easy and comfortable operation and cleaning of the IKA® mills. The precise and reproducible adjustment of the milling gap guarantees for a constantly high product quality.

**Colloid Mill | MK 2000**

**Fine milling of:**
- Mustard
- Chili
- Spice pastes
- Nuts
- Almonds
- Sesame
- Cocoa
- Soya beans
- Fruits
- Vegetables
- Fish pastes

**Pre-milling of:**
- Nuts
- Spices
- Soya beans
- Mustard
- Chili
- Meat pastes
- Juices

**Milling of:**
- Vegetables
- Fruits

**Type** | **Drive power [kW]** | **Capacity [l/h]**
--- | --- | ---
MK 2000/03 (magic LAB®) | 0.9 | 20 – 200
MK 2000/04 (PROCESS-Pilot) | 1.5 | 150 – 300
MK 2000/05 | 3.5 | 250 – 2,500
MK 2000/10 | 7.5 | 750 – 7,500
MK 2000/20 | 15 | 750 – 7,500
MK 2000/30 | 37 | 1,250 – 12,500
MK 2000/50 | 55 | 2,000 – 20,000
MK 2000/100 | 160 | 8,000 – 60,000

**Corundum Disk Mill | MCD 2000**

**Fine milling of:**
- Mustard
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**Pre-milling of:**
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- Spices
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- Mustard
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**Milling of:**
- Vegetables
- Fruits

**Type** | **Drive power [kW]** | **Capacity [l/h]**
--- | --- | ---
MCD 2000/03 (magic LAB®) | 0.9 | 1 – 20
MCD 2000/04 (PROCESS-Pilot) | 2.2 | 5 – 100
MCD 2000/05 | 4 | 10 – 200
MCD 2000/10 | 7.5 | 25 – 500
MCD 2000/20 | 11 | 45 – 1,100
MCD 2000/30 | 37 | 125 – 2,500
MCD 2000/50 | 75 | 200 – 4,500

Feeding of the product via funnel or by means of a pump
Precise adjustment of the milling gap
Product discharge at the lowest point of the chamber
Double acting mechanical seal
Stable bearing of the drive shaft
Belt drive – vibration free and at low noise level

Feeding module with funnel and auger
Precise and reproducible milling gap adjustment
Milling disks available in different grain sizes
Stable bearing of the drive shaft
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Cooling jacket integrated in the housing
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Example: Mustard line

- Preparation vessel for the mustard mash with propeller stirrer and pump
- Colloid mill for pre-milling of the mash
- 2 Hoppers for pre-milled mash with propeller stirrers
- Corundum disk mill for fine milling with feeding pump
- Heat exchanger with funnel and feeding pump for cooling and deaeration
- Degassing system with discharge pump
- Storage tank with discharge pump

Complete production lines from one source

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