

Colloid and Corundum Disk Mills for the food industry

IKA®



German technology
made in the USA

Colloid Mill MK

Pre-milling of:

Nuts
Spices
Soya beans
Mustard
Chili
Meat pastes
Juices

Milling of:

Vegetables
Fruits

Feeding of the product via
funnel or by means of a pump

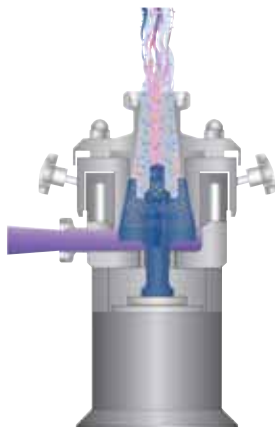
Precise adjustment
of the milling gap

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



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 require-

ments 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.

Type	Drive power kW	Capacity l/h
MK 2000/10	15	750 – 7,500
MK 2000/20	37	2,000 – 20,000
MK 2000/30	55	4,000 – 40,000
MK 2000/50	160	8,000 – 80,000

Corundum Disk Mill MCD

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

Feeding module with funnel and auger

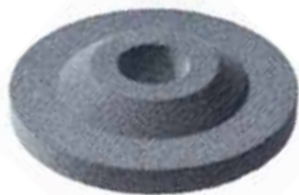
Cooling jacket integrated in the housing

Precise and reproducible milling gap adjustment

Milling disks available in different grain sizes

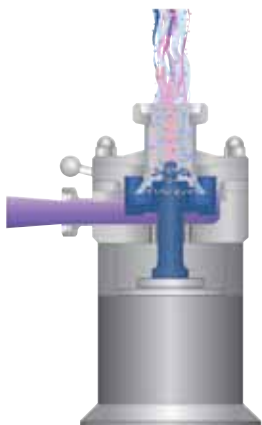
Stable bearing of the drive shaft

Belt drive – vibration free and at low noise level



The Corundum Disk Mills are used for wet milling and homogenizing of liquid, viscous and pasty products. The corundum disks are available in different grain sizes according to the required fineness. The axially movable stator is pressed against the rotor

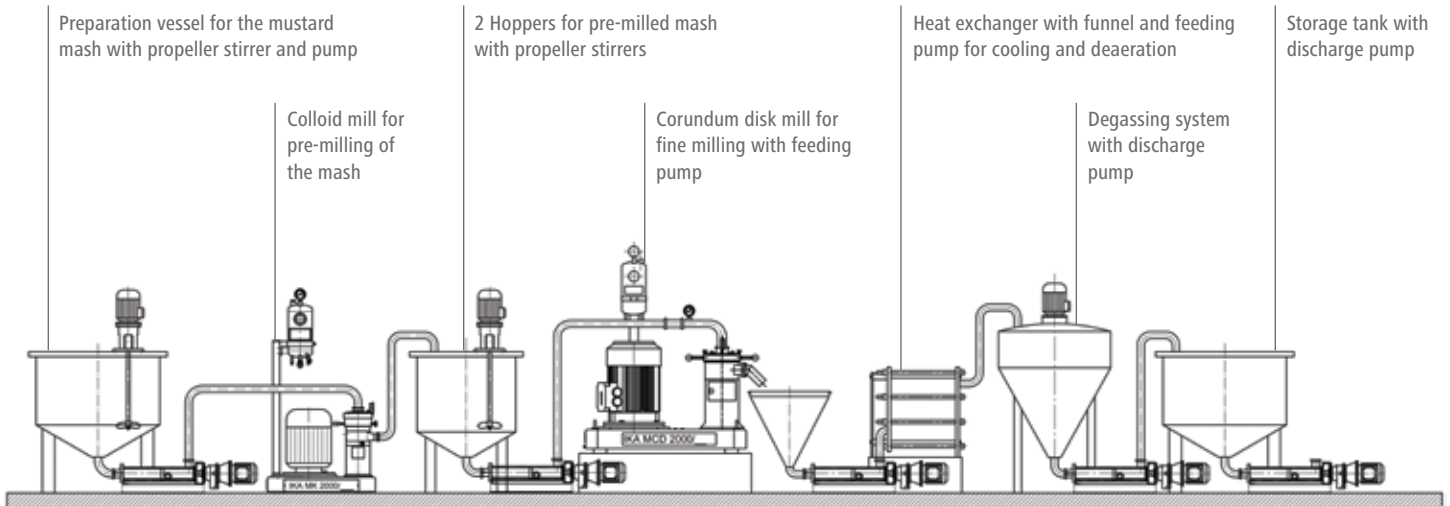
which runs at high speed. Due to the high shear forces the product is finely milled between the rotor and stator and then discharged through the lateral outlet of the milling chamber. A cooling jacket, integrated in the milling chamber, avoids an excessive heating of the product.



Type	Drive power	Capacity
	kW	kg/h
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

Complete production lines from one source

Example: Mustard line



Trials, process development



Design



Assembly



Commissioning

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designed
to work perfectly

