

Spray Nozzles and Spray Headers for Moisturizing, Coating, Roll-cooling and more

BIM series and BIM Spray Header Pneumatic Fine Fog Nozzles

BIM series pneumatic nozzles produce fine atomization with mean droplet diameter 10-100µm. Ideal for moisture control, spraying lubricant on the dryer-roll & canvas and cooling calendar-roll.



Moisture control for preventing cardboard from warping/ cracking

■ Excellent atomizing performance

BIM series nozzle produces uniform and fine atomization. It can also change spray volume according to the line-speed while keeping droplet size unchanged.

■ Reduced maintenance time

Unique inner design greatly minimizes clogging. Designed using fewer components for easier maintenance.

■ Wide selection

Available in 3 kinds of spray patterns (flat spray/hollow cone/full cone), 15 types of spray capacities with 8 types of connecting adaptors. Compact spray header combining conduits for air and liquid is also available.

KB series Hydraulic Fine Fog Hollow Cone Nozzles

KB series hydraulic spray nozzles produce fine atomization with mean droplet diameter 40-100µm. Suitable for moisture control for paper and cardboard corrugating machinery. Also available are spray headers equipped with KB nozzles, which can control spray in accordance with paper width.



Spray header with KB nozzles assembled



Moisture control for cardboard with KB nozzles

Headquarters

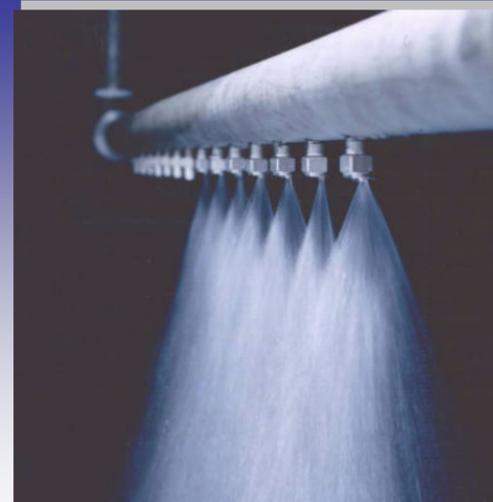
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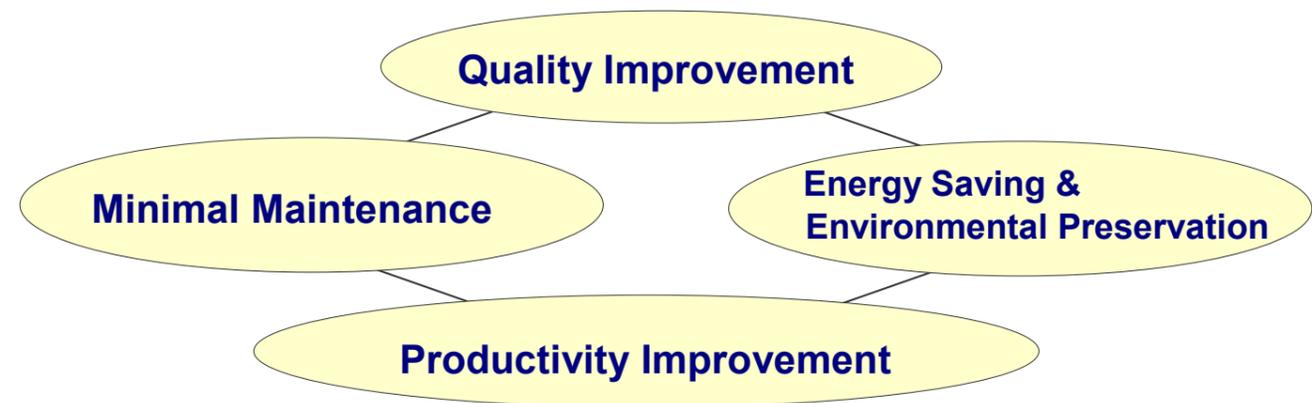
We have our branches and affiliate companies around the world—in China, USA, The Netherlands, Thailand, Indonesia, and more. Please see our website for the nearest contact.

<https://www.kirinoikeuchi.co.jp/eng/company/location/>

IKEUCHI's Spray Nozzles for Paper & Pulp Industry



Cleaning effect, minimal maintenance, quality improvement, reduce wasted water, energy savings, and more... IKEUCHI's CERJET® spray nozzles help solve various problems in paper & pulp making process as indispensable tools.



CERJET® Paper Trimming Nozzles

CMP-T series

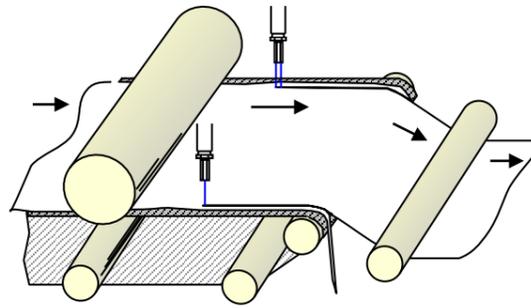


Single orifice trimming nozzle



Double orifice trimming nozzle

Excellent Sharpness, Long Lasting



■ Excellent trimming performance

Unique inner structure achieves long and clear solid stream and sharp edge trimming without turbulent flow. It solves serious troubles such as winding of paper web and contributes to stable operation.

■ Long lasting

Alumina ceramic orifice (99%) as hard as ruby keeps sharp trimming effect for long period.

■ Easy maintenance

Nozzle body and strainer are detachable and individually exchangeable. Nozzle orifices are color-coded by orifice diameter size for easy identification.

	Conventional Nozzle	CMP-T
Solid stream Press.: 1.5MPa		
Trimming section		

Comparison of solid stream and trimming section



Color coded by orifice size

New trimming nozzle CM-F series is also available. Please inquire with us for details and leaflet.

CERJET® Wire & Felt Cleaning Nozzles

MOMOJet® series



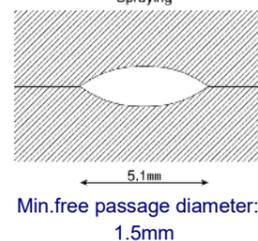
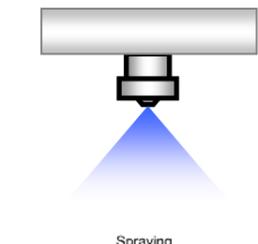
Flat spray



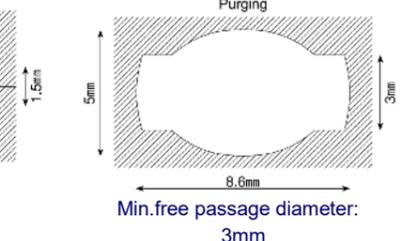
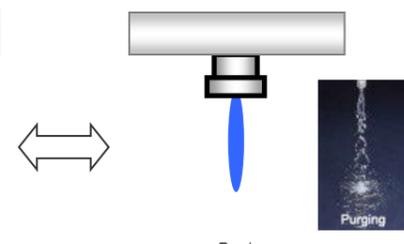
Solid Stream Jet

Self-cleaning Flat spray/Solid stream

[Spraying]
Press.: 0.2MPa



[Purging]
Press.: 0.03MPa



■ Innovative self-cleaning function

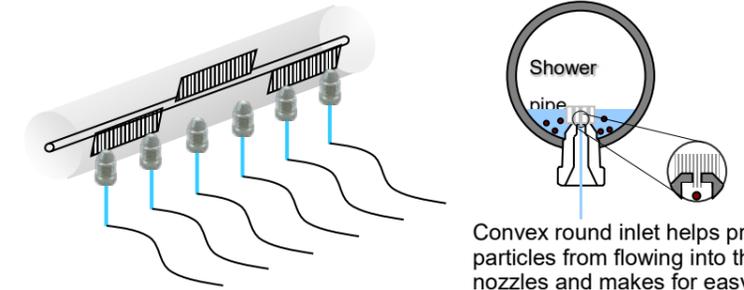
If clogged, by reducing the pressure to 0.03MPa, the nozzle tip is retracted and purges foreign particles. By increasing the pressure to 0.2MPa or above, normal spraying is restored.

CERJET® Wire & Felt Cleaning Nozzles

CRP-(AL99) series



Convex Round Inlet Solid Stream Jet



Convex round inlet helps prevent particles from flowing into the nozzles and makes for easy cleaning by the inner rotating brush.

■ New Anti-clogging design

Convex round inlet inside the shower pipe helps prevent particles from flowing into the nozzles and minimizes clogging. Short water-path enables easy and through cleaning by bristles of the brush located inside the shower pipe.

■ Excellent durability

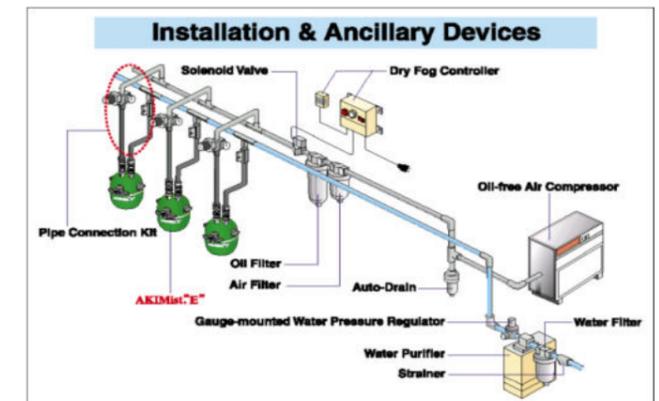
Nozzle orifice made of 99% high-alumina ceramic provides stable performance with longer life.

Humidifiers for Paper-dust Suppression, Static Charge Prevention

AKIMist® "E" Dry Fog Humidifiers



AKIMist® "E" Dry Fog Humidifier



Installation and ancillary devices of AKIMist® "E"

■ Non-wetting "Dry Fog"

"Dry Fog", so fine that it looks like smoke, can humidify targets directly without wetting them. Worldwide-patented AKIJet® nozzles spray very fine and uniform Dry Fog with mean droplet diameter 7.5µm and spray volume as large as about 10L/hr.

■ Stable humidity control

With Dry Fog sprayed over 4 meters horizontally, AKIMist® "E" can increase and maintain humidity in a large room or small spot according to the machine layout. Ideal for static electricity prevention for paper feeding, for paper-dust suppression, moisture control in rewinding, slitting packaging process, and more.

■ Easy installation

Portable Dry Fog Humidifier AE-T set is easy to install, just connect to water supply and compressed air. Automatic control is possible with a humidity controller (optional).