



SPRAY TECHNOLOGY FOR BAKERIES

Upgrade your plant's efficiency and product quality with BETE spray technology. For over 70 years, our expertise in nozzle design, engineering, and manufacturing has empowered leading bakeries to streamline operations, cut waste, and reduce costs.

Our comprehensive range of spray nozzles, fabrications, and spraying systems for the baking industry, combined with our dedicated team of experts, ensures that your baked goods meet the highest standards. Choose BETE for solutions that exceed expectations and elevate your baking process to grow your bottom line.

EXPLORE BETE'S RANGE OF INDUSTRIAL BAKING SPRAY APPLICATIONS

COATING & MOISTENING

- Precision spray coating of chocolate and glazes onto baked goods, temperature control options available
- Precisely dose water and oil for dough moistening or to adhere toppings like sesame seeds, sprinkles, salt, and more
- Spray chocolate, yogurt, and other ingredients in coating drum systems
- Exact coating of oil, butter, and egg wash (natural or synthetic) on bread, crackers, and pastries for browning

LUBRICATION

- Conveyor and process equipment oil lubrication
- Precisely spray release agents onto pans, molds, and bakeware

HUMIDIFICATION & STEAM

- Humidify storage spaces, proofing equipment, and baking ovens
- Use steam as a moist heat cooking method in oven systems

CLEANING & SANITATION

- Apply mold inhibitors and antimicrobials
- Wash process ovens, conveyors, and equipment
- Clean process/blending tanks, storage tanks, and totes

PLANT OPTIMIZATIONS

- Compressed air solutions for blow-off/cleaning, drying, spot-cooling, and static elimination
- Spray lances and manifolds for optimal nozzle placement and positioning
- Water conservation and treatment solutions



ACHIEVE RELIABILITY, SAFETY, & QUALITY IN YOUR BAKERY WITH OUR INNOVATIVE SPRAY TECHNOLOGY SOLUTIONS



ENSURE PRECISE SPRAY CONTROL & FLEXIBLE AUTOMATION WITH FLEXFLOW® SPRAY SYSTEMS

Our automated spray systems, like the **FlexFlow**, ensure precision spray control and flexible automation for applying coatings such as glazes, egg wash, and antimicrobials onto products or oils and release agents onto process equipment. Combine the **Electric HydroPulse® (EHP)** automatic spray nozzle with the FlexFlow spray controller, and you have an expertly engineered solution for precise intermittent spraying capabilities.

- **Hygienic design**
- **Capable of cycling on/off up to 150 cycles per second**
- **Improve product consistency with uniform and repeatable coverage**
- **Reduce consumption of expensive coatings**
- **Eliminate overspray waste and improve product quality**
- **Exact target coatings secure a clean and safe environment**



FlexFlow® Spray Control System & Electric HydroPulse® (EHP)

MAXIMIZE CLEANING EFFICIENCY WITH BETE TANK WASHING NOZZLES

BETE specializes in spray technology for hygienic tank and equipment cleaning, offering a complete line of products for an extensive range of tank sizes and soil types. Our tank cleaning nozzles maximize efficiency and remove soils effectively. Our engineering experts can recommend the ideal spray nozzle for your tank cleaning solution.

PREVENT DOWNTIME WITH CLOG-RESISTANT STATIONARY NOZZLES

- **No moving parts, durable**
- **Low maintenance**
- **Options that allow up to three times the free passage of standard spray balls**

CLEAN FASTER & REDUCE WATER CONSUMPTION WITH ROTARY SPRAY HEADS

- **Up to 40% water savings compared to static spray balls**
- **Greater impact penetrates difficult soils**
- **Reduces the use of costly chemicals**



HydroClaw®



**HydroWhirl®
Orbitor 100**



HydroWhirl® S

