



***Spraying Systems Co.***  
Experts in Spray Technology



## **A Guide to Spray Technology for the Beverage Industry**



Spray  
Nozzles



Spray  
Control



Spray  
Analysis



Spray  
Fabrication

Spray Nozzles and Risers for

# Washing & Pasteurizing

**Correct nozzle spacing cleans cans in hard to reach areas and ensures uniform pasteurization**

Nozzle spacing in our Can Wash Riser is optimized for use in washers so that every area of even the hardest-to-clean can is effectively washed and rinsed.

Narrow angle nozzles and optimal nozzle spacing allow the spray to effectively penetrate the conveyor mat without knocking over the cans. This style of riser can also be designed to work with hollow cone nozzles in a pasteurization process to ensure a uniform distribution of liquid over the entire conveyor width.



Can Wash Riser

**Cut maintenance time in half with quick-change spray nozzles**

With a simple quarter turn, ProMax® QuickJet® nozzles can be installed and removed in seconds, without any tools. QuickJet nozzles are constructed of ProMax, a glass-reinforced engineering grade of polypropylene, which offers excellent chemical resistance and durability. ProMax nozzles minimize caking problems that are typically experienced in the chemical stages of the washer.



QuickJet Nozzle



# Spray Nozzles for **Conveyor & Equipment Cleaning**

## **Sanitary features meet 3A CIP standards**

With sanitary pin connections and self-draining surfaces, the 28500R Nozzle meets 3A standards for clean-in-place applications. The fluid-driven, rotating nozzle is easy to install in CIP systems because it does not require an external power source. Rotational velocity varies with fluid pressure.



**28500R Nozzle**

## **Automated cleaning reduces downtime and labor costs up to 80%**

Designed to increase cleaning impact up to four times greater than conventional rotating nozzles, the 63225 Spray Balls are excellent for cleaning, sanitizing and foaming applications in both containers and equipment.



**63225 Fixed Spray Balls**

# Air Control Products for **Can & Bottle Drying**

## **Complete customizable air knife packages for all blow-off and dry-off applications**

WindJet® Air Knives have a unique design that directs a high volume of air out of the knife in a straight, uniform, stream. Consistent control of the air stream along the length of the knife combined with various blower output options makes it possible to effectively blow-off and dry-off any bottle or can design for a wide variety of applications.

With the right air knife package, water can be removed from the domes of empty cans between washer stages without knocking them over. For filled bottles and cans even the smallest drops can be removed.

WindJet Air Knives are also lightweight and easy to maneuver. The blowers are energy-efficient, significantly lowering operating costs in comparison to compressed air.



**WindJet  
Air Knives**

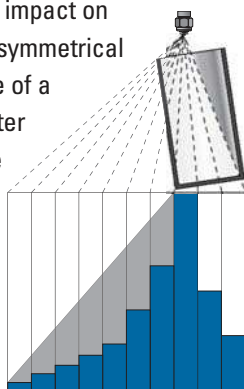
# Spray Tips for Can Coating

## Patented can coating tip gives full coverage using less coating

Our new Can Coating Tip sprays a patented distribution pattern that gives superior strand weights from the top to the bottom of the can but uses less coating material than competitive nozzles. With coating being the second largest operating expense following aluminum, this simple change in nozzle design can make a significant impact on your bottom line. Cuts in the orifice create an asymmetrical spray distribution that is calibrated to the shape of a 2-piece, 12 oz. or 16 oz., 2.4 inch (61 mm) diameter beverage can. Coating is applied exactly where it is needed significantly reducing can weights.



Can Coating Tip



### Spray Distribution Pattern

- Wasted coating from competitor's nozzle
- Spraying Systems' patented distribution pattern

## Nozzle Compatibility Chart

Can coating tips are compatible with Nordson® A20A and MEG spray guns.

If you're using Nordson nozzle:	Replace with Spraying Systems Co. nozzle	Flow Rate @ 500 psi
Low flow versions of 122015, 122415, 122009, 122323	BC172-TC	.069 gpm
122015, 122415	BC272A-TC	.077 gpm
122009, 122323	BC-372-TC	.090 gpm
90/10 or 80/10	BC572-TC	.120 gpm
16 oz. can	BC572W-TC	.120 gpm
16 oz. can	BC1072W-TC	.170 gpm



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