

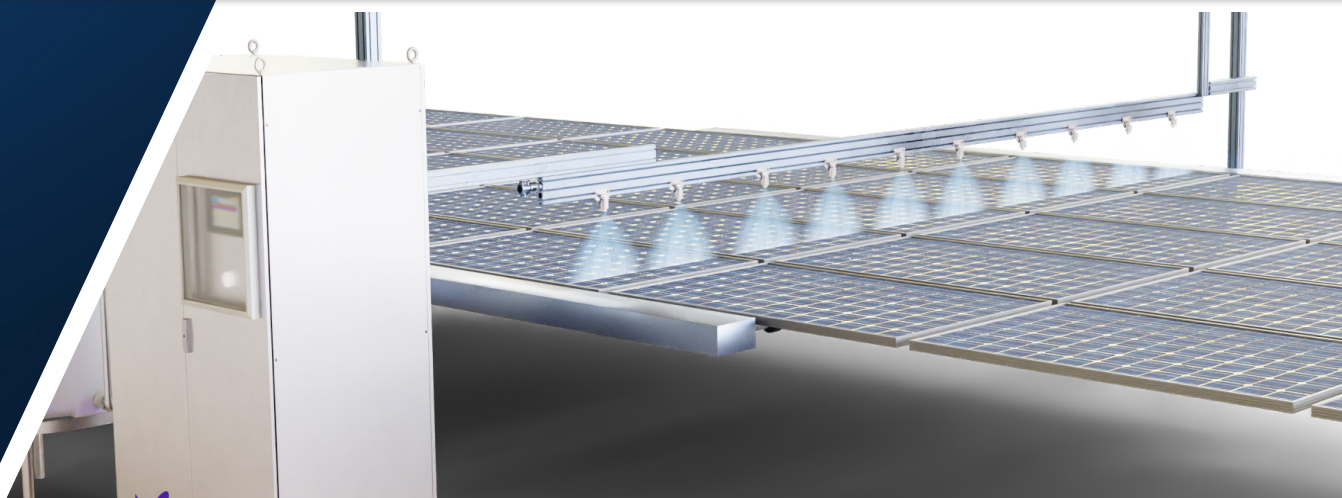


Spraying Systems Co.
Experts in Spray Technology



FLAT GLASS COATING BOOSTING SOLAR PANEL EFFICIENCY WITH COATING

NOZZLES // COATING



www.spray.com

· AEROSOLS · CHEMICAL · ENERGY · FOOD · **FLAT GLASS** · PHARMA · STEEL · AUTOMOTIVE · BUILDING MATERIALS · CHEMICAL · ELECTRONICS · COOLING · **COATING** · DRYING · DUST CONTROL · FIRE PROTECTION · HUMIDIFICATION · LUBRICATION · MINING · TANK CLEANING · TANK CLEANING · **SPRAY CONTROL** · AUTOMATED · DISINFECTION · SPRAY LANCES · ACCESSORIES · **NOZZLES** · SPRAY GUNS



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UNDERSTANDING THE CHALLENGE //

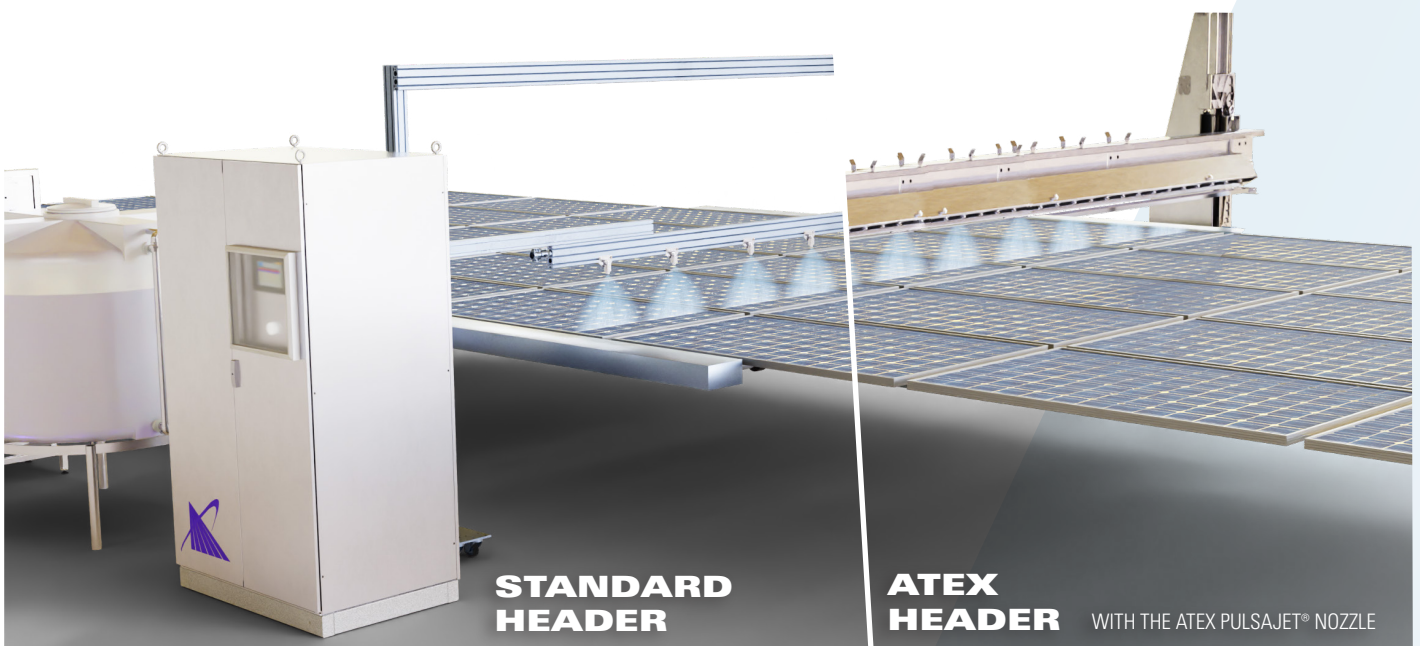
The solar energy sector faces numerous challenges, particularly when it comes to maintaining the efficiency and longevity of solar panels. Environmental factors such as corrosion, discoloration, heat, humidity & hard water can significantly impact the performance of solar panels. These issues not only reduce the efficiency of the panels but also increase maintenance costs & shorten their lifespan. Ensuring consistent and durable protection against these elements is crucial for manufacturers aiming to deliver high-quality solar panels that meet the growing demand for renewable energy.



THE SPRAYING SYSTEMS FLAT GLASS COATING SYSTEM //

Spraying Systems Co. presents the Flat Glass Coating System, a cutting-edge solution for the solar industry. This system applies a protective coating to prevent corrosion and discoloration, keeping solar panels efficient & durable.

The Spraying systems uses PulsaJet® nozzles for precise, uniform coating. These nozzles adjust automatically for different panel size and speeds, ensuring consistent application with minimal waste. The system continuously monitors and adjusts zoning, flow, and dosing in real-time to maintain top-notch results.



**STANDARD
HEADER**

**ATEX
HEADER** WITH THE ATEX PULSAJET® NOZZLE

KEY BENEFITS AND FEATURES

Ease of Maintenance:

Reduces clogging and simplifies header access, saving time and minimizing downtime.

Environmental Sustainability:

Prevents over-spray and pollution, supporting cleaner, sustainable manufacturing.

System Components:

Offers optional reverse osmosis units, buffer tanks, and UV filters for stable water and system protection.

Advanced Control:

Includes a touchscreen for precise PulsaJet® control and adjustable spray manifolds for optimal coverage.



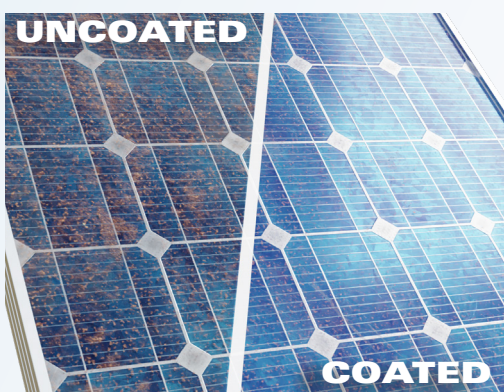
HOW IT WORKS //

The process begins with sensors detecting incoming panels parameters such as speed and width. These sensors then trigger the electrically-actuated PulsaJet® nozzles to cover the necessary zones. The controller rapidly turns the nozzles on and off to control the flow rate, delivering a consistent and uniform coating. For enhanced functionality, an optional ATEX PulsaJet® nozzle version with a closed header is available, ensuring compatibility with environments requiring explosion protection.

IMPACT ON THE SOLAR INDUSTRY //

By applying a protective coating, our system helps solar panels resist atmospheric impacts, heat, humidity, and hard water, extending their lifespan and reducing replacement costs. Enhanced glass quality leads to greater customer satisfaction and opens up new market opportunities. Moreover, the system's automated controls and minimal chemical waste translate to lower operational costs, making it a cost-effective solution for solar panel manufacturers.

zoning explained



SMARTER DIRT RESISTANCE

The protective coating minimizes dirt and dust accumulation, ensuring panels stay cleaner for longer and operate at peak efficiency. This reduces the need for frequent cleaning and maintenance, saving time and resources. Visibly cleaner panels, compared to uncoated ones, highlight the performance and durability advantages, reinforcing the long-term value for both manufacturers and end users.



SMARTER SPRAYING FOR FLAT GLASS COATING

Get perfect coatings, precise lubrication & dust-free surfaces with our advanced spray solutions!

- **Gas Conditioning:** Control air quality for a flawless finish.
- **Lubrication:** The system ensures even, efficient application.
- **Dust Suppression:** Keep dust at bay for cleaner, safer production.

Cut waste, boost efficiency & improve quality.

CONTACT US

Explore the advantages of our precision spraying solutions and see how they can enhance your production line. Our technology aims to boost efficiency, reduce waste, and improve product quality.

For more information or to schedule a consultation with our technical specialists, visit our website at [spray.com/en-eu](https://www.spray.com/en-eu). We're here to provide detailed insights, expert advice, and tailored solutions to meet your unique needs. Contact us today to start optimizing your production processes.



**SPRAY TECHNOLOGY
FOR DUST CONTROL**



**GAS COOLING &
CONDITIONING SYSTEMS**



CLEANING & WASHING



LUBRICATION

LANGUAGE SUPPORT

 info.uk@spray.com +44 1252 727200 //  info.de@spray.com +49 40 766 001 0 //  info.fr@spray.com +33 1 46 20 96 40

 info.es@spray.com +34 91 357 40 20 //  info.it@spray.com +39 02 38 34 181 //  info@spray.ae +971 4 326 7770

 We also offer support in Polish / Portuguese / Norwegian / Swedish / Finnish / Romanian / Czech / Greek / Hungarian / Ukrainian
Local representatives on www.spray.com or contact Info.EU@spray.com