



**AUTOJET® E1850+**

**NEW GENERATION  
SPRAY CONTROL**



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

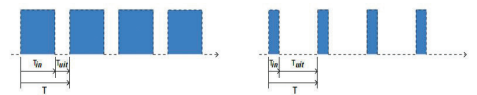
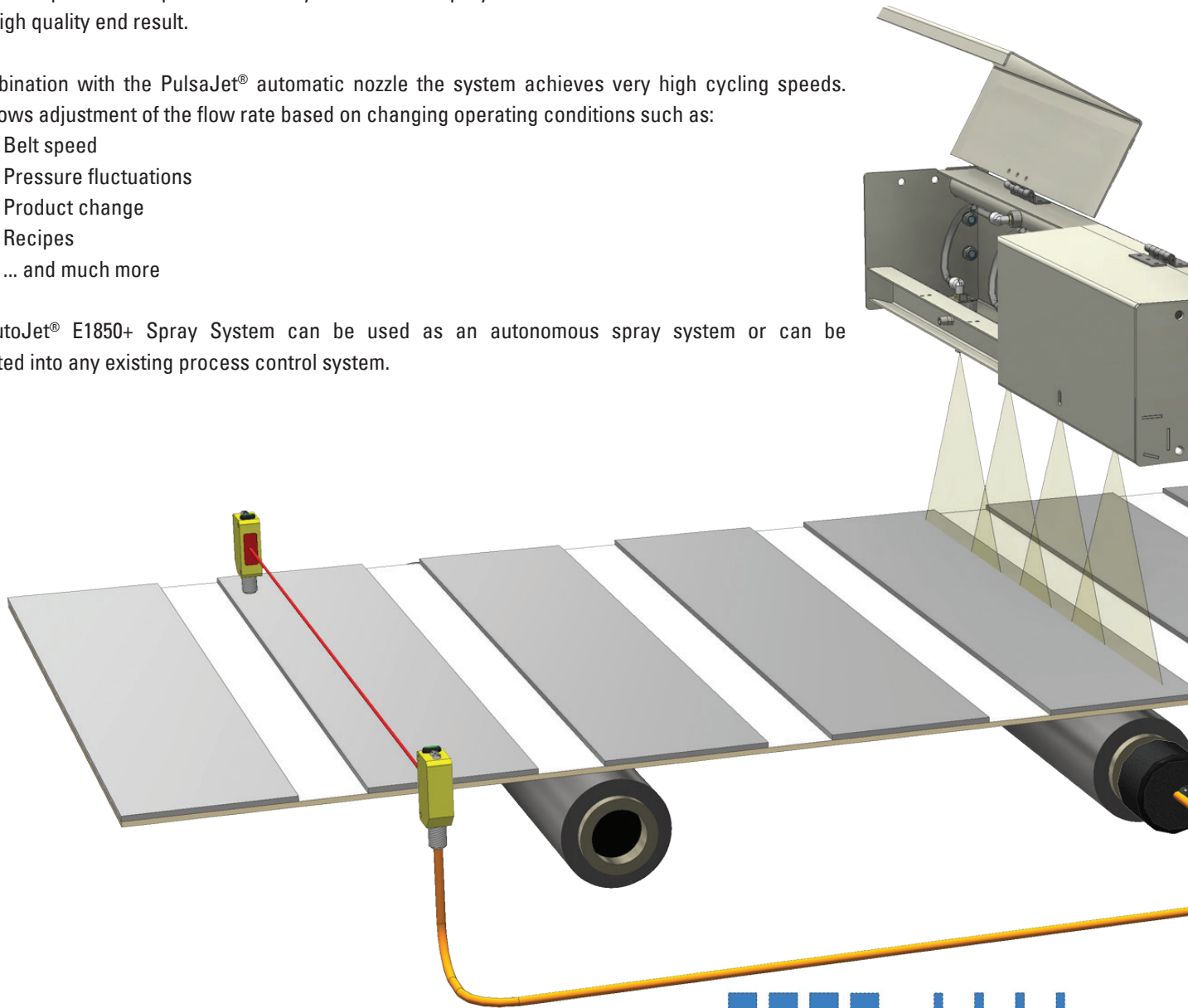
# ONE SYSTEM: FULL CONTROL

The AutoJet® E1850+ Spray System is designed to be a perfect fit for nearly every spray application. The system optimizes the performance of your automatic spray nozzles for an efficient use of resources and a high quality end result.

In combination with the PulsaJet® automatic nozzle the system achieves very high cycling speeds. This allows adjustment of the flow rate based on changing operating conditions such as:

- Belt speed
- Pressure fluctuations
- Product change
- Recipes
- ... and much more

The AutoJet® E1850+ Spray System can be used as an autonomous spray system or can be integrated into any existing process control system.



Working Cycle 80%

Working Cycle 5%



## HOW DOES IT WORK?

Electrically-actuated spray nozzles are turned on and off very quickly to control flow rate. A duty cycle of 50% results in a corresponding flow rate of 50% of the rated flow for this nozzle at a given pressure.

More information:

[www.spray.com/automated\\_systems/precision\\_spray\\_control.aspx](http://www.spray.com/automated_systems/precision_spray_control.aspx)

### HEADERS / MANIFOLDS

For an optimal coverage of your products.

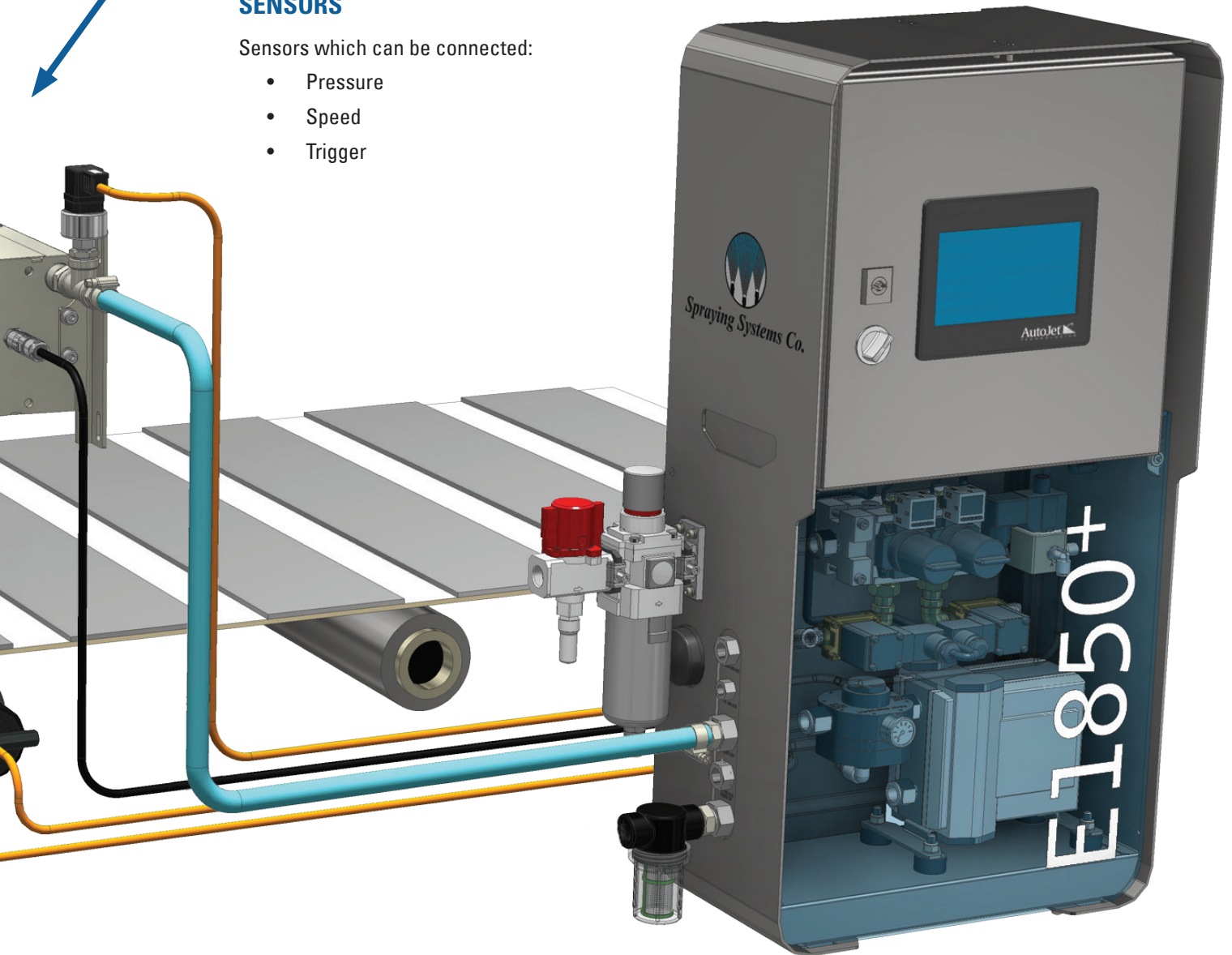
### SENSORS

Sensors which can be connected:

- Pressure
- Speed
- Trigger

### AUTOJET® E1850+ SPRAY SYSTEM

Full control over your spray application.



### BENEFITS

- Fast reaction to changing working conditions
- Maintain constant spray angle and droplet size at variable flow rates
- Large turn-down ratio with a single nozzle
- Minimal misting
- Increased transfer efficiency
- Easy integration into existing process
- Eliminates use of compressed air
- Compact design



# ALL IN ONE SOLUTION

## ENCLOSED DESIGN

The AutoJet® E1850+ has an enclosed design to protect all of the internal components. This makes it impossible to accidentally change settings or cause damage to the system.

Additionally, the transparent door design gives an instant overview of the set parameters whilst allowing easy access.

## HIGH QUALITY DISPLAY

The new touch display gives a clear overview of all your settings and is optimized for an intuitive user experience.

## INTUITIVE SOFTWARE

The new HMI runs on software that's optimized for use with the AutoJet® E1850+. Designed from scratch to be user-friendly, the important settings are instantly accessible from the main screen. Adjusting settings is easily done by navigating through a simple to use menu structure.

## STANDALONE OR FITS IN EXISTING SYSTEMS

The AutoJet® E1850+ can easily be installed on its own or into an pre-existing system by using remote setpoints.

## PLUG & SPRAY

Plug it into the air, liquid and power supply. Connect any sensors you have (liquid, pressure, speed, trigger, ...). Adjust the regulators and you're ready to go.

## EASILY ACCESSIBLE UPDATES\*

Get access to system software updates to take advantage of the latest versions and features.

## REMOTE SUPPORT\*

Give remote access to key employees or Spraying Systems Co.'s engineers. You're always in control, wherever you are.

## IOT READY\*

The system can be connected to the internet of things for full data insights and performance upgrades based on artificial intelligence.

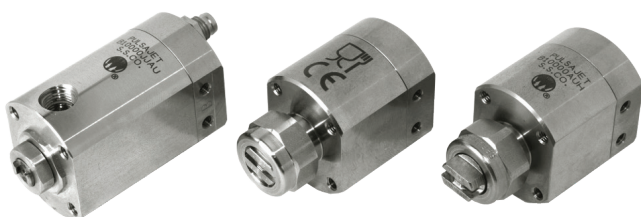
# A PERFECT FIT FOR YOUR OPERATION

AUTOJET® E1850+ FEATURES	BASIC	STANDARD	ADVANCED
Control Panel with Integrated Fluid Control	✓	✓	✓
Input/Output Junction Box	✓	✓	✓
PulsaJet® Junction Box	✓	✓	✓
Maximum Number of PulsaJet® Nozzles (PWM and with 35°C Ambient Temperature)	8	8	8
PWM Control Voltage	24V	48V	48V
Power Supply	5A	5A	5A
PWM Channels	1	1	1
PWM Cycles per Minute	5 000	10 000	>15 000
Triggered	✓	✓	✓
Speed Control (Analog or with Encoder)		✓	✓
Recipes			✓
Multi-Point Calibration Table			✓
4G Router	Optional	Optional	Optional
Liquid Pressure Measurement + Duty Cycle Correction	✓	✓	✓

## THESE PRODUCTS HELP YOU GET THE MOST OUT OF YOUR AUTOJET® E1850+

### PULSAJET® NOZZLES

These nozzles deliver high speed precision and unparalleled flow control utilizing Precision Spray Control (PSC) technology from Spraying Systems Co.



### HEADERS AND MANIFOLDS

When multiple nozzles are needed we have a wide range of headers and manifolds readily available that can be easily configured to meet your application requirements.



# AUTOJET® E1850+ CASE STUDIES

**STEEL BAR MANUFACTURER SAVES MORE THAN €750,000 WITH NEW SPRAY COOLING SYSTEM**



**PROBLEM:** A manufacturer of steel reinforcement bars (rebar) was struggling to reduce energy consumption and improve productivity. The rebar was being cooled using a traditional water spray system, which was inefficient and costly. The manufacturer was looking for a more sustainable and cost-effective solution.

**SOLUTION:** The manufacturer implemented the AUTOJET E1850+ spray cooling system. This system uses a fine mist of water to cool the rebar, which significantly reduces energy consumption and improves productivity. The system also reduces water usage and is more sustainable.

**RESULTS:** The manufacturer saved more than €750,000 with the new spray cooling system. The system also improved productivity and reduced water usage.

**SPRAYING SYSTEMS CO. EXPERTS IN SPRAY TECHNOLOGY**

**SUSTAINABILITY APPLIED.**

**CS E4032 Steel Bar Manufacturer Saves More Than € 750,000 with New Spray Cooling System**

**HARDWOOD FLOORING MANUFACTURER SAVES €40,000 PER YEAR BY SPRAYING PIGMENT WITH AUTOJET® E1850+ SYSTEM**



**PROBLEM:** A manufacturer of hardwood flooring was struggling to reduce energy consumption and improve productivity. The manufacturer was looking for a more sustainable and cost-effective solution.

**SOLUTION:** The manufacturer implemented the AUTOJET E1850+ spray pigment system. This system uses a fine mist of pigment to coat the hardwood flooring, which significantly reduces energy consumption and improves productivity. The system also reduces water usage and is more sustainable.

**RESULTS:** The manufacturer saved €40,000 per year with the new spray pigment system. The system also improved productivity and reduced water usage.

**SPRAYING SYSTEMS CO. EXPERTS IN SPRAY TECHNOLOGY**

**SUSTAINABILITY APPLIED.**

**CS E4033 Hardwood Flooring Manufacturer Saves € 40,000 Per Year by Spraying Pigment**

**PLASTIC CUP MANUFACTURER SAVES € 18,000 ANNUALLY WITH AUTOMATED ANTI-STATIC SPRAY SYSTEM**



**PROBLEM:** A manufacturer of plastic cups was struggling to reduce energy consumption and improve productivity. The manufacturer was looking for a more sustainable and cost-effective solution.

**SOLUTION:** The manufacturer implemented the AUTOJET E1850+ automated anti-static spray system. This system uses a fine mist of anti-static agent to coat the plastic cups, which significantly reduces energy consumption and improves productivity. The system also reduces water usage and is more sustainable.

**RESULTS:** The manufacturer saved € 18,000 annually with the new automated anti-static spray system. The system also improved productivity and reduced water usage.

**SPRAYING SYSTEMS CO. EXPERTS IN SPRAY TECHNOLOGY**

**SUSTAINABILITY APPLIED.**

**CS E4034 Plastic Cup Manufacturer Saves € 18,000 Annually with Automated Anti-Static Spray System**

**ELASTOMER MANUFACTURER REDUCES RELEASE AGENT USAGE AND SAVES € 50,000 ANNUALLY THANKS TO NEW AUTOMATED SPRAY SYSTEM**



**PROBLEM:** A manufacturer of elastomer was struggling to reduce energy consumption and improve productivity. The manufacturer was looking for a more sustainable and cost-effective solution.

**SOLUTION:** The manufacturer implemented the AUTOJET E1850+ automated spray system. This system uses a fine mist of release agent to coat the elastomer, which significantly reduces energy consumption and improves productivity. The system also reduces water usage and is more sustainable.

**RESULTS:** The manufacturer reduced release agent usage and saved € 50,000 annually with the new automated spray system. The system also improved productivity and reduced water usage.

**SPRAYING SYSTEMS CO. EXPERTS IN SPRAY TECHNOLOGY**

**SUSTAINABILITY APPLIED.**

**CS E4035 Automated Spray System Helps Elastomer Manufacturer Reduce Release Agent Usage and Save € 50,000**

**WOOD PELLET MANUFACTURER SAVES MORE THAN € 10,000 PER YEAR BY SPRAYING OIL WITH AUTOMATED SPRAY SYSTEM**



**PROBLEM:** A manufacturer of wood pellets was struggling to reduce energy consumption and improve productivity. The manufacturer was looking for a more sustainable and cost-effective solution.

**SOLUTION:** The manufacturer implemented the AUTOJET E1850+ automated spray oil system. This system uses a fine mist of oil to coat the wood pellets, which significantly reduces energy consumption and improves productivity. The system also reduces water usage and is more sustainable.

**RESULTS:** The manufacturer saved more than € 10,000 per year with the new spray oil system. The system also improved productivity and reduced water usage.

**SPRAYING SYSTEMS CO. EXPERTS IN SPRAY TECHNOLOGY**

**SUSTAINABILITY APPLIED.**

**CS E4036 Wood Pellet Manufacturer Saves More than € 10,000 Annually Spraying Oil with Automated Spray System**

**TISSUE MANUFACTURER SAVES € 40,000 AND IMPROVES SUSTAINABILITY**



**PROBLEM:** A manufacturer of tissue was struggling to reduce energy consumption and improve productivity. The manufacturer was looking for a more sustainable and cost-effective solution.

**SOLUTION:** The manufacturer implemented the AUTOJET E1850+ spray system. This system uses a fine mist of water to coat the tissue, which significantly reduces energy consumption and improves productivity. The system also reduces water usage and is more sustainable.

**RESULTS:** The manufacturer saved € 40,000 and improved sustainability with the new spray system. The system also improved productivity and reduced water usage.

**SPRAYING SYSTEMS CO. EXPERTS IN SPRAY TECHNOLOGY**

**SUSTAINABILITY APPLIED.**

**CS E4037 Tissue Manufacturer Saves € 40,000 and Improves Sustainability**

**OSB MANUFACTURER SAVES € 25,000 PER YEAR BY RECYCLING 2 MILLION LITERS OF WASTEWATER**



**PROBLEM:** A manufacturer of OSB was struggling to reduce energy consumption and improve productivity. The manufacturer was looking for a more sustainable and cost-effective solution.

**SOLUTION:** The manufacturer implemented the AUTOJET E1850+ spray system. This system uses a fine mist of water to coat the OSB, which significantly reduces energy consumption and improves productivity. The system also reduces water usage and is more sustainable.

**RESULTS:** The manufacturer saved € 25,000 per year by recycling 2 million liters of wastewater with the new spray system. The system also improved productivity and reduced water usage.

**SPRAYING SYSTEMS CO. EXPERTS IN SPRAY TECHNOLOGY**

**SUSTAINABILITY APPLIED.**

**CS E4038 OSB Manufacturer Saves € 25,000 per Year by Recycling 2 Million Liters of Wastewater**

**MODULAR RETAINING WALL MANUFACTURER CUTS RELEASE AGENT USE BY 75% TO SAVE MORE THAN € 60,000 PER YEAR**



**PROBLEM:** A manufacturer of modular retaining walls was struggling to reduce energy consumption and improve productivity. The manufacturer was looking for a more sustainable and cost-effective solution.

**SOLUTION:** The manufacturer implemented the AUTOJET E1850+ spray system. This system uses a fine mist of release agent to coat the modular retaining walls, which significantly reduces energy consumption and improves productivity. The system also reduces water usage and is more sustainable.

**RESULTS:** The manufacturer cut release agent use by 75% to save more than € 60,000 per year with the new spray system. The system also improved productivity and reduced water usage.

**SPRAYING SYSTEMS CO. EXPERTS IN SPRAY TECHNOLOGY**

**SUSTAINABILITY APPLIED.**

**CS E4039 Modular Retaining Wall Manufacturer Cuts Release Agent Use by 75% to Save More than € 60,000 per Year**

**CABLE MANUFACTURER HALVES ITS CHEMICAL CONSUMPTION WITH AUTOMATED SPRAY SYSTEM**



**PROBLEM:** A manufacturer of cable was struggling to reduce energy consumption and improve productivity. The manufacturer was looking for a more sustainable and cost-effective solution.

**SOLUTION:** The manufacturer implemented the AUTOJET E1850+ automated spray system. This system uses a fine mist of chemical to coat the cable, which significantly reduces energy consumption and improves productivity. The system also reduces water usage and is more sustainable.

**RESULTS:** The manufacturer halved its chemical consumption with the new automated spray system. The system also improved productivity and reduced water usage.

**SPRAYING SYSTEMS CO. EXPERTS IN SPRAY TECHNOLOGY**

**SUSTAINABILITY APPLIED.**

**CS E4040 Cable Manufacturer Halves its Chemical Consumption with Automated Spray System**

**FIBER-CEMENT SIDING MANUFACTURER REDUCES COATING CONSUMPTION, SAVES € 80,000 ANNUALLY WITH AUTOMATED SPRAY SYSTEM**

**PROBLEM:** A global manufacturer wanted to spray and finish their fiber-cement siding system, which is used in residential and commercial applications. The manufacturer had been using a manual spray system for years. The company wanted to reduce the amount of material used and improve the quality of the finish. They also wanted to reduce the amount of time it took to finish the siding.

**SOLUTION:** The company installed the AUTOJET E1850+ automated spray system. The system uses a laser-guided spray gun to apply the coating to the siding. The system is controlled by a computer, which allows the operator to adjust the spray pattern and flow rate. The system also has a feedback loop that monitors the coating thickness and adjusts the spray gun accordingly.

**RESULTS:** The company has reduced coating consumption by 15%, saving € 80,000 annually. The system also improves the quality of the finish and reduces the amount of time it takes to finish the siding.



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**SUSTAINABILITY APPLIED.**

**CS E4041 Fiber-Cement Siding Manufacturer Reduces Coating Consumption, Saves € 80,000 Annually**

**AUTO MANUFACTURER REDUCES DEFECTS AND SAVES € 300,000 WITH AUTOMATED SPRAY SYSTEM**

**PROBLEM:** A manufacturer of automotive parts wanted to reduce the amount of material used in their spray coating process. They were using a manual spray system, which was causing a lot of waste. The company wanted to reduce the amount of material used and improve the quality of the finish.

**SOLUTION:** The company installed the AUTOJET E1850+ automated spray system. The system uses a laser-guided spray gun to apply the coating to the parts. The system is controlled by a computer, which allows the operator to adjust the spray pattern and flow rate. The system also has a feedback loop that monitors the coating thickness and adjusts the spray gun accordingly.

**RESULTS:** The company has reduced material waste by 20%, saving € 300,000 annually. The system also improves the quality of the finish and reduces the amount of time it takes to finish the parts.



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**SUSTAINABILITY APPLIED.**

**CS E4042 Auto Manufacturer Reduces Defects and Saves € 300,000 with Automated Spray System**

**STRUCTURAL INSULATED PANEL (SIP) MANUFACTURER INCREASES PRODUCT QUALITY AND SAVES RESOURCES**

**PROBLEM:** A manufacturer of Structural Insulated Panels (SIP) wanted to improve the quality of their product. They were using a manual spray system, which was causing a lot of waste. The company wanted to reduce the amount of material used and improve the quality of the finish.

**SOLUTION:** The company installed the AUTOJET E1850+ automated spray system. The system uses a laser-guided spray gun to apply the coating to the panels. The system is controlled by a computer, which allows the operator to adjust the spray pattern and flow rate. The system also has a feedback loop that monitors the coating thickness and adjusts the spray gun accordingly.

**RESULTS:** The company has improved the quality of their product and reduced the amount of material used. The system also saves resources and reduces the amount of time it takes to finish the panels.



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**SUSTAINABILITY APPLIED.**

**CS E4043 Structural Insulated Panel (SIP) Manufacturer Increases Product Quality and Saves Resources**

**STEEL BAR MANUFACTURER ELIMINATES OIL OVERSPRAY, AND SAVES € 17,500 PER YEAR**

**PROBLEM:** A steel bar manufacturer wanted to reduce the amount of oil used in their spray coating process. They were using a manual spray system, which was causing a lot of waste. The company wanted to reduce the amount of oil used and improve the quality of the finish.

**SOLUTION:** The company installed the AUTOJET E1850+ automated spray system. The system uses a laser-guided spray gun to apply the coating to the bars. The system is controlled by a computer, which allows the operator to adjust the spray pattern and flow rate. The system also has a feedback loop that monitors the coating thickness and adjusts the spray gun accordingly.

**RESULTS:** The company has eliminated oil overspray, saving € 17,500 per year. The system also improves the quality of the finish and reduces the amount of time it takes to finish the bars.



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

**SUSTAINABILITY APPLIED.**

**CS E4044 Steel Bar Manufacturer Eliminates Oil Overspray, and Saves € 17,500 per Year**

**CEMENT BOARD MANUFACTURER REDUCES CHEMICAL USE AND SAVES € 27,000 PER YEAR**

**PROBLEM:** A cement board manufacturer wanted to reduce the amount of chemical used in their spray coating process. They were using a manual spray system, which was causing a lot of waste. The company wanted to reduce the amount of chemical used and improve the quality of the finish.

**SOLUTION:** The company installed the AUTOJET E1850+ automated spray system. The system uses a laser-guided spray gun to apply the coating to the boards. The system is controlled by a computer, which allows the operator to adjust the spray pattern and flow rate. The system also has a feedback loop that monitors the coating thickness and adjusts the spray gun accordingly.

**RESULTS:** The company has reduced chemical use by 10%, saving € 27,000 per year. The system also improves the quality of the finish and reduces the amount of time it takes to finish the boards.



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

**SUSTAINABILITY APPLIED.**

**CS E4045 Cement Board Manufacturer Reduces Chemical Use and Saves € 27,000 per Year**

**AUTOMATED SPRAY SYSTEM SAVES BUILDING PRODUCTS MANUFACTURER MORE THAN € 35,000 PER YEAR**

**PROBLEM:** A building products manufacturer wanted to reduce the amount of material used in their spray coating process. They were using a manual spray system, which was causing a lot of waste. The company wanted to reduce the amount of material used and improve the quality of the finish.

**SOLUTION:** The company installed the AUTOJET E1850+ automated spray system. The system uses a laser-guided spray gun to apply the coating to the products. The system is controlled by a computer, which allows the operator to adjust the spray pattern and flow rate. The system also has a feedback loop that monitors the coating thickness and adjusts the spray gun accordingly.

**RESULTS:** The company has saved more than € 35,000 per year. The system also improves the quality of the finish and reduces the amount of time it takes to finish the products.



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**SUSTAINABILITY APPLIED.**

**CS E4046 Automated Spray System Saves Building Products Manufacturer More Than € 35,000 per Year**

**AUTOMATED SPRAY LUBRICATION SYSTEM SAVES FOAM PARTS PRODUCER MORE THAN € 30,000 PER YEAR**

**PROBLEM:** A foam parts producer wanted to reduce the amount of lubricant used in their spray coating process. They were using a manual spray system, which was causing a lot of waste. The company wanted to reduce the amount of lubricant used and improve the quality of the finish.

**SOLUTION:** The company installed the AUTOJET E1850+ automated spray system. The system uses a laser-guided spray gun to apply the lubricant to the parts. The system is controlled by a computer, which allows the operator to adjust the spray pattern and flow rate. The system also has a feedback loop that monitors the coating thickness and adjusts the spray gun accordingly.

**RESULTS:** The company has saved more than € 30,000 per year. The system also improves the quality of the finish and reduces the amount of time it takes to finish the parts.



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

**SUSTAINABILITY APPLIED.**

**CS E4047 Automated Spray Lubrication System Saves Foam Parts Producer More Than € 30,000 per Year**

**CAN MANUFACTURER INCREASES YEARLY REVENUE BY € 4 MILLION THANKS TO NEW SPRAY SYSTEM**

**PROBLEM:** A can manufacturer wanted to increase the quality of their product. They were using a manual spray system, which was causing a lot of waste. The company wanted to reduce the amount of material used and improve the quality of the finish.

**SOLUTION:** The company installed the AUTOJET E1850+ automated spray system. The system uses a laser-guided spray gun to apply the coating to the cans. The system is controlled by a computer, which allows the operator to adjust the spray pattern and flow rate. The system also has a feedback loop that monitors the coating thickness and adjusts the spray gun accordingly.

**RESULTS:** The company has increased their yearly revenue by € 4 million. The system also improves the quality of the finish and reduces the amount of time it takes to finish the cans.



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

**SUSTAINABILITY APPLIED.**

**CS E4048 Can Manufacturer Increases Yearly Revenue by € 4 Million Thanks to New Spray System**

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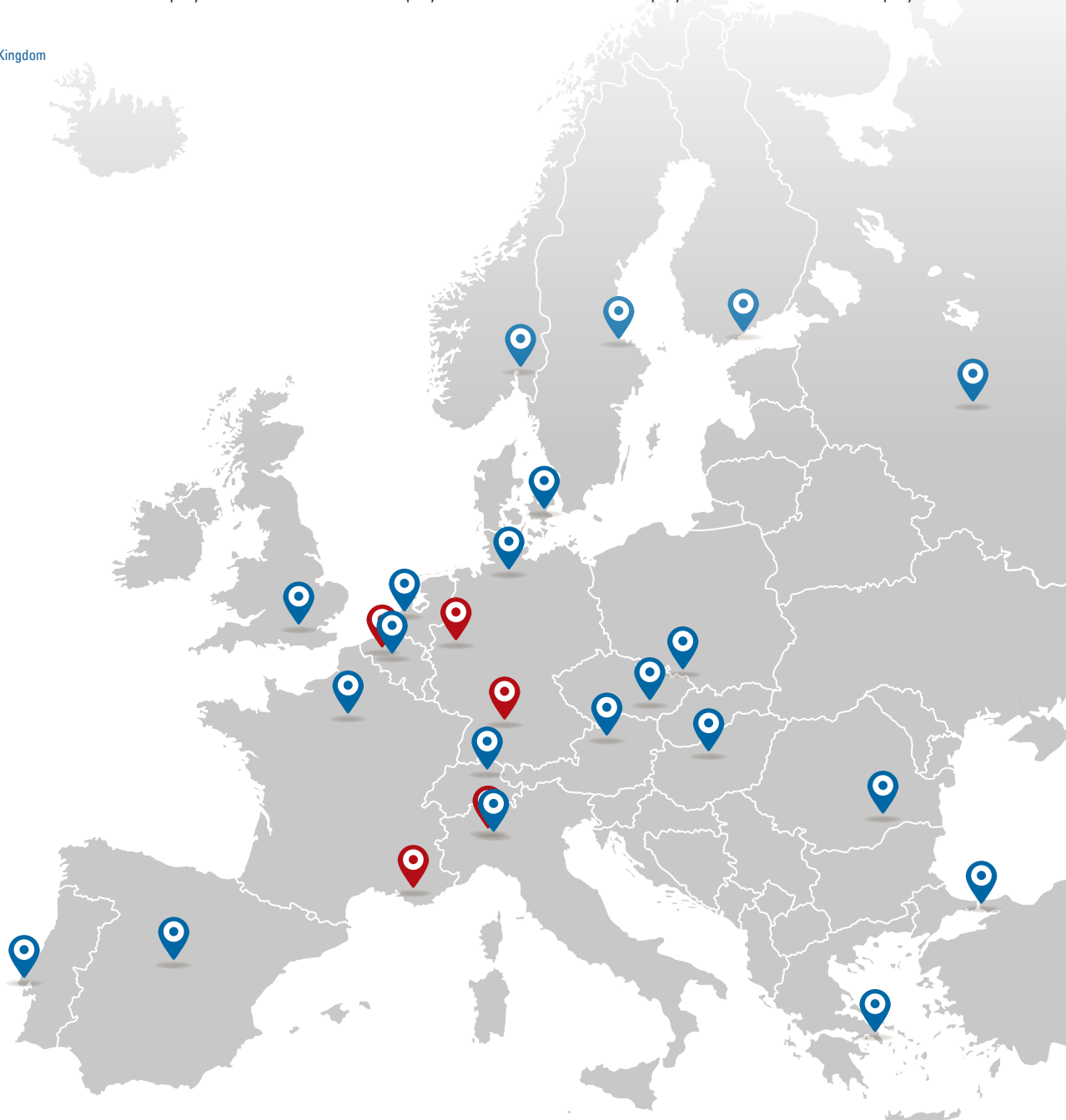
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