Material supply systems in paint shops must fulfill a number of requirements. They need to supply large volumes of standard colors – but also smaller quantities of infrequently used special colors from supply containers to painting robots or automated color changers.

Eisenmann provides reliable high-pressure pumps, systems for special colors, and continuous supply solutions for high-runners. These combine exceptional reliability with cost-efficiency and outstanding paint surface quality.

When painting vehicle bodies or components, there is a need to achieve multiple goals: high transfer efficiency, rapid changeover, minimal paint loss, maximum paint finish quality – in combination with process reliability and safety. Eisenmann supplies highly precise piston-based metering and compact yet high-performance atomization systems. These are suitable for both large surface areas and smaller details. The result is highly effective solutions that exceed OEMs' exacting standards. These systems were developed with a focus on cost-effectiveness and maintenance friendliness.

Paint application

The range of applications for robot-based adhesive bonding within the auto industry is expanding, in particular for the body-in-white. The advantages include improved aerodynamics, greater strength and better protection against corrosion.

Eisenmann offers a broad portfolio of technologies, enabling manufacturers to choose a tailored solution for their imperatives. Features include smart control systems for precise metering, sophisticated nozzle systems and transfer methods. The company can also provide cost-effective end-to-end robot-based solutions, and custom-designed answers to highly specific challenges.

Adhesive bonding

Automation is the future of manufacturing, but it is associated with diverse challenges.

Eisenmann has a variety of solutions in this field. They include systems for the application of sound damping pads, for robot-performed tasks such as surface cleaning, and standardized software for controlling application processes. Other state-of-the-art technologies ensure the required levels of reproducibility and quality in surface finishing. The comprehensive automation offering also includes high-precision and very cost-efficient cavity protection.
A One-Stop Offering

From Body-in-White Production to Paint Shops and Final Assembly

 BODY-IN-WHITE

- **ADHESIVE BONDING**
  - Highest quality in production
  - **NEW FLAME APPLICATION**
    - Flame design application
  - **SEALING PREPARATION**
    - Heat treatments and surface conditioning systems
  - **COATING APPLIANCE**
    - Precision application systems
  - **POWERFUL PUMPS**
    - Modular high-pressure pumps for power steering and final assembly

 PAINT SHOP

- **PAINT APPLICATION**
  - Highly efficient rotary atomizers
  - **WINDSHIELD BONDING**
    - Precise adhesive application
  - **PAINT SHOP 3.0**
    - Conventional and cost-effective drying systems
  - **WINDSHIELD BONDING**
    - Precise adhesive application
  - **VARIOBELL V.2**
    - Compact high-speed rotary atomizer
  - **VARICONTROL**
    - Advanced control system
  - **VARIOCONTROL**
    - Reliable application control
  - **SMARTPAD**
    - End-to-end solution
  - **SMARTCLEAN**
    - Modular cleaning system
  - **SMARTCAVITYWAX**
    - Highly-precise metering
  - **VARIOCHARGER**
    - High-speed rotary atomizer
  - **HEM FLANGE APPLICATION**
    - Turbulence management and sealing of underbodies
  - **PAINT SHOP 3.0**
    - Conventional and cost-effective drying systems

 FINAL ASSEMBLY

- **ADHESIVE BONDING**
  - Highest quality in production
  - **NEW FLAME APPLICATION**
    - Flame design application
  - **SEALING PREPARATION**
    - Heat treatments and surface conditioning systems
  - **COATING APPLIANCE**
    - Precision application systems
  - **POWERFUL PUMPS**
    - Modular high-pressure pumps for power steering and final assembly

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