



PixelPaint, the Future of Customized Automotive Painting

Previously, applying a two-tone or customized design onto a bodywork area at time and labor intensive process that required the vehicle to be put through the painting line twice, once for the first layer and then, after the area had been masked, again for the second coat. Typically, masking the bodywork required around 10-15-20 operators per shift, with two operators also needed to de-mask it after the second coat had been applied. With only 70 to 80 percent of the paint being applied to the bodywork surface, significant quantities of paint are wasted, increasing costs, damage, recycling and having to purchase additional paint.

The innovative PixelPaint solution from **ABB** (Futura Park, IL) incorporates a high painting robot head, dual control package and easy-to-use RoboStudio programming software for two-tone and decorative painting applications. PixelPaint is available as a cell using two ABB IRB 6640 robots. The non-overlap technology prints paint directly onto a target area using the printing nozzle head instead of spraying with a conventional atomizer, resulting in 100 percent transfer efficiency.

www.abb.com; 206-591-9595

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Diamond Single Layer Superabrasive Wheels

Saint-Gobain Abrasives (Winnipeg, MB) has announced the introduction of its new patent-pending Norton Winter Diamond Single Layer Superabrasive Wheels that achieve maximum material removal for increased productivity, especially when used in automated grinding cells. Featuring the strongest and most durable bond on the market, Norton wheels finish up to 50% more parts per wheel compared with conventional wheels. Norton Winter bonded wheels are a superior solution for shuttle and grey cast iron applications such as deburring and snap grinding-on-coating-gates, parting lines, edges and faces. Norton Winter bonded wheels offer several additional benefits including reduced downtime due to longer wheel life which extends time between setups. There is less risk of casting iron damage to the end of the wheel life. Presenting a cleaner, healthier work environment, the new wheels generate significantly less dust and noise compared with traditional bonded wheels.

No wheel dressing is required and the rigid steel hub reduces vibration during CBN grinding. Advanced grinding wheel location facilitates easier programming, and a rigid steel hub reduces vibration resulting in consistent wheel dimensions and minimal wheel wear.

All Norton Winter bonded wheels are made to order to meet precise requirements. The wheels are available in a variety of profile shapes and wheel sizes suitable for a range of grinding cell set-ups.

www.saint-gobain-nortonabrasives.com

Automated Passivation Equipment

We move the fluid
NOT the parts



Closed system with controls further eliminates operator exposure to acid.

Roma Incorporated

General Offices: 6-6645
101 Industrial Drive, Somers, NY 10589
Tel: 914-273-5000
www.romainc.com

Features & Benefits:

- pH-controlled closed automation-based cycle
- Dissociation-free passivation, rinsing and dilution pump
- Water-soluble semi-conductor anti-corrosion
- Automated passivation system operation via control panel

15C50 & 35C50 Airmix Pump Packages

GAMMEX PREMIUM (Plymouth, MI) has announced the release of the new 15C50 & 35C50 Airmix Pump packages. The 15C50 compact Airmix pump is the ideal partner for your Airmix spray guns, providing exceptional finish quality & high transfer efficiency. The 35C50 Airmix pump ensures consistent and pulsation-free delivery for dispensing industrial finishing booth sources provide an even spray pattern & consistent film builds for superior finish quality. Additional features include:

- A 35C50 with the largest differential air motor on the market to meet the demand of using water-based coatings.
- A unique 1/2" ID tube to meet the needs of using solvent-based coatings.
- Easy priming and flushing.
- A differential air motor that allows you to adjust the pump for maximum air pressure.
- Balanced full-section and patented full-cartridge sealing system.

www.gammex-premium.com



Fast-Dry Version of Water-Based Micro Corrosion Inhibiting Coating

According to **Cortec Corporation** (St. Paul, MN), among its top-performing water-based DTM (direct to metal) permanent coatings is EcoShield 386, which has been able to provide outstanding corrosion protection in salt spray chamber testing. Cortec has recently expanded this unique portfolio of water-based anti-corrosion coatings by developing a new fast-dry version called EcoShield 386 FD.

EcoShield 386 FD combines the worker and environmental advantages of a water-based coating with the outstanding performance of EcoShield 386 micro corrosion inhibiting technology in a topcoat that will force-dry in five to 10 minutes. This is ideal for manufacturers of pipes, tubes and other metal components without enough time to cool and dry the coated parts before continuing the production process. The faster drying time of EcoShield 386 FD makes it easier to handle components that need to be processed and stacked or packed right away, reducing or eliminating the problem of hot coated parts sticking to each other only to be pulled apart and cause coating failure and corrosion later.

www.cortecvci.com; 800-426-7832