



# GEMS™

Global Electronic Mixing Solutions



**GEMS™**  
Global Electronic  
Mix Solutions

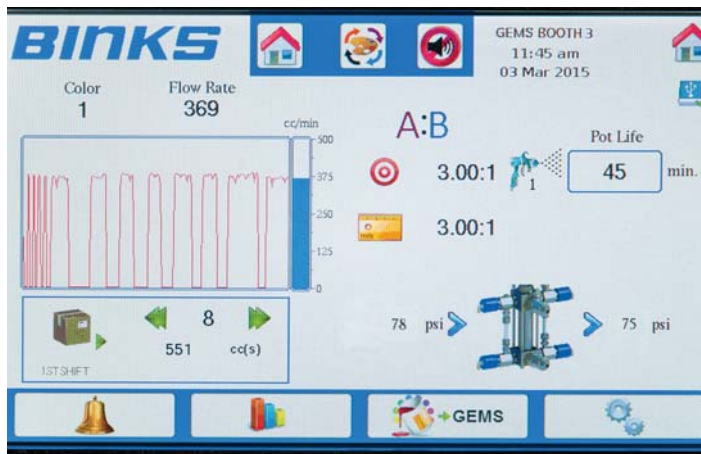
*beyond accurate mixing™*



# GEMS combines an intuitive user interface with data to improve your finishing process

## Mixing equipment does not have to be complicated

- GEMS simple design is easy to learn and easy to teach
- Industrial color touch screen provides straightforward navigation by incorporating graphic illustrations and pictorials
- Step by step guide walks users through troubleshooting by providing specific instructions to reduce downtime



### Features Include:

- Accurate Proportioning from 1.00:1 – 100.00:1
- Programmable Air/Solvent Flush
- 7" Color Industrial Touch Screen
- On Screen Help Guide
- Multiple Languages
- Dispensing by volume of material
- USB & Ethernet Connections
- Built in FTP server
- Tracks up to 100,000 jobs
- Data exports in .csv and .log formats

With the GEMS' simple user interface, you can be painting in **5 easy steps**



**1** Pressurize system



**2** Press color change button



**3** Select color and press go button



**4** Trigger gun into approved and grounded container



**5** Start spraying



# Hot potting is not cheap when the costs and risks are considered

When coatings are "hot potted" or pre-mixed, the following considerations must be made:



How much time does it take to measure and mix?

What if coating is over/under or not catalyzed?

What if too much/not enough coating is mixed?

What if mixed coating is not consistent?

What are the costs of supplies (cups, stirs, cleaning solvent, rags, liners, strainers, gloves)?

How is pot life managed?

With GEMS, the costs and risks are minimized for all the above questions. Waste savings are maximized while solvent usage, mixing time, and color change times are greatly reduced.

# GEMS uncovers finishing process inefficiencies

Our Focus Is On The Repeatability And Consistency Of Three Things:

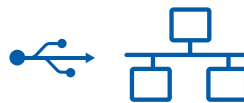
- Production
- Finish Quality
- Film Thickness

We believe data is best used to ask better questions. If an outcome changed in one of the three key areas of focus, we want to understand what was different and why. GEMS collects information so meaningful adjustments can be made to improve your finishing process.

- Tracks production details to better understand material and labor costs
- Tracks color change & flush times
- Tracks alarm history with time stamps



Improve ROI by getting the data you need to maximize your productivity



*"Our mixed material waste was significantly reduced by 48% after installation of two GEMS units. The data tracking conveyed insights to improve our BOMs and increase our painter's throughput."*



Paint Engineer



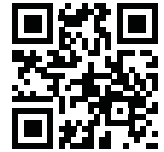
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**Contact us for a conversation** on how we combine simple equipment, data analytics, and innovative employees to help improve your finishing performance. Let us understand your current processes, so we can assist in improving your profitability.

Visit [www.binks.com/gems](http://www.binks.com/gems) or scan the QR Code for a quick ROI analysis on waste reduction and to schedule a Finishing Process Tune-Up.



**All GEMS Systems Start With The Following Standard Configurations:**

- Up to 5 colors with 1 hardener
- Ratios from 1:1 to 100:1
- Large flow rate range
- Independent Monitoring Up To 2 Guns



**GEMS systems can be customized to your specifications with the following accessories:**

Description	Notes
Gun Flush Box	Increases user safety, reduces waste/color change times and minimizes labor.
Flow Sensor	Detects air vs. fluid in hardener/catalyst line. Typically integrated with systems utilizing pressure tanks to feed hardener.
In Booth Controls	Allows for in booth color change, flushing, and alarm reset.
Solvent Flow Meter	Measures the volume of solvent used through the system and allows for solvent usage analysis.
Remote Mix Manifold	Designed for 1 color applications to mix materials close to the applicator.
Stack Lights	2 Color stack light visually detects alarms and spraying mode.
Atomization Air Cut Off	Automatically shuts off atomization air during flush and color change sequences.
Stand	Attaches to standard wall bracket. Designed to be bolted to floor.

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