

Coating Systems, Inc.

Customer Spotlight



Customer

- Coating Systems, Inc.

Location

- Lowell, MA

Scientific testing equipment used:

- Dual-Channel Universal Process Controller ([HI520](#))
- Universal Process Controller ([HI510](#))
- Portable Field pH/ORP/ISE Meter ([HI98191](#))

"Hanna's availability and willingness to reach out and provide on-site assistance has been a plus."

- Frank Getek, Waste Treatment Manager,
Coating Systems, Inc.

An all-in-one metal finishing company in Massachusetts

Since 1992, Coating Systems, Inc. has been a surface finishing leader that provides metal finishing solutions for military, aerospace, medical, and commercial businesses. A NADCAP accredited company, Coating Systems, Inc., sets the standard for metal finishing by creating the highest quality products delivered on time. Metal finishing services include plating, aluminum anodizing, aluminum conversion coatings, wet paint and powder coating, applied graphics, media blasting and tumbling, masking, and laboratory services.



Testing with Hanna Instruments to ensure compliance

Coating Systems, Inc. must adhere to stringent requirements and meet Industrial Discharge Permit regulations. The wastewater parameters that are frequently treated and tested for at this facility include copper, nickel, zinc, and chromium. The final pH that is discharged is continuously checked as well.

Coating Systems, Inc. depends on Hanna Instruments Dual-Channel Universal Process Controller (HI520) to easily monitor and control pH/ORP automatically. Prior to using Hanna Instruments, Coating Systems, Inc. struggled to collect consistent ORP readings with the controllers that were utilized at the time. ORP results were always off by a zero. For example, if the controller displayed an ORP reading of "25", then the actual correct ORP reading would be "250".

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After switching to Hanna Instruments Process Controllers for their facility, Coating Systems, Inc. was able to achieve more precise pH/ORP readings. This provided greater visibility into wastewater parameter levels and improved effluent management. With exact pH/ORP measurements, Coating Systems, Inc. was better equipped to make the necessary pH adjustments for zinc treatment and rectify pH and ORP fluctuations for chrome.

Reliable results at critical facility checkpoints

In addition to Process Controllers, Coating Systems, Inc. regularly tests with Hanna Instruments Portable Field pH/ORP/ISE Meter (HI98191) to spot check pH/ORP levels in the quality lab or on the production floor. The versatility and durability of this meter paired with its accuracy, make it the perfect fit for the industrial applications Coating Systems, Inc. performs.

"Changing out a probe is very straightforward. We have only had to replace the pH probes once a year at most. The probes are calibrated monthly."

- Frank Getek, Waste Treatment Manager,
Coating Systems, Inc.

