



MOLDMAKING — INSPECTION

Injection Mold Maker Chooses FaroArm Over Stationary CMM for Measurement Needs

PROBLEM:

Precise Mold, a leading injection molding company, was looking for a measurement system that would fit their measurement needs and be cost-effective. The company produces and inspects molds ranging in size from 500 to 30,000 pounds. Taking these large, heavy molds to a stationary CMM would be inefficient and quite costly.

Precise Mold needed to decide what investment would best fit their company's measurement needs for portability, cost-effectiveness and ease of use.

SOLUTION:

The 28-year-old company soon learned about the portable, user-friendly and affordable metrology solutions available at FARO. Precise Mold now uses the Platinum 7-Axis FaroArm for their inspection and verification needs, including measuring features such as cylinders, circles, lines and planes.

Now they can check engineering changes to the mold by mounting the FaroArm on the mold, verifying the altered area and producing a scan. They lay the scan over the original design and determine if the correct changes have been made or if further adjustments are necessary. This is especially important since the company's main goals are to reduce lead times, improve mold performance and help reduce their customers' costs.

Their measurements are very accurate – within .0005" – and Precise Mold can generate SPC or GD&T inspection reports that they never had access to prior to using the FaroArm.

The company's FaroArm Operator recently said, "We use it everyday!"

ROI:

Precise Mold has greatly reduced inspection time and increased cost savings. The company recorded nearly \$7,000 in savings in just the first four months of owning their FaroArm.

A typical mold used to take Precise Mold's engineers two hours to measure. The same mold can now be measured in less than 15 minutes.

Owner, Ernie Dettmer said: "It's hard to put a value on the amount of work the FaroArm has saved us."



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