LIQUID DISPENSED

THE LIQUID DISPENSED ADVANTAGE

As components continue to decrease in size, space for traditional o-ring grooves becomes more and more limited. At the same time, the expense of secondary machining can considerably increase the cost to molded or cast components. The innovative answer is our robotically dispensed form-in-place gaskets.

Applied to metal or plastic substrates, this process accurately places beads on flanges as small as .035. The software driven precision significantly reduces material waste. So the advantages are evident both in terms of quality and efficiency.

SUPERIOR ALL AROUND PERFORMANCE

- *Robotically dispensed gasket materials*
- *Precisely positioned gaskets/small cross sections*
- *Can be applied to metal or plastic/gasket adhesion to most surfaces*
- *Low volume/rapid prototypes/High volume production*
- *Gasket application fully programmable in 3 axis*
- *Tight dimensional control*
- *Dispense environmental and EMI shielding materials*
- *Highly conformable gaskets of varying heights and widths*
- *Assistance with design and material selection*
- *Compensate for uneven surfaces in castings and moldings*
- *Compounds from Chomerics, Loctite, 3M*
- *Fully automated, robotically controlled dispensing system for applying EMI and environmental gaskets to metal/plastic housings.*

INDUSTRIES


Aeorspace


General Industrial


Life Sciences


Military


Semiconductor


Telecommunications

GAIN THE QUALITY AND EFFICIENCY EDGE OF LIQUID DISPENSED SEALING TODAY.

602-437-1532
STATESEAL.COM

STATE SEAL COMPANY

EXCEPTIONAL ENVIRONMENTAL SEALING

Complex shapes can require extensive custom tooling for molded seals. Also smaller flanges or plastic components can reduce the force available to form an effective seal. Our liquid dispensed process provides highly conformable gaskets, which can compensate for uneven surfaces and maximize your design solution. All while saving you the labor costs and scrap rate of applying seals on final production line.

- *Serves components too small for traditional O-rings*
- *Reduces cost of secondary machining*
- *Accurately placed beads on flanges as small as .035*

COMPREHENSIVE EFI/RFI SHIELDING

Today's modern electronics demand higher shielding, which traditional seals can't provide. In addition to the benefits outlined above, our liquid dispensed process delivers the EFI/RFI shielding levels current products now require. With up to 75dB of shielding, it meets today's' higher shielding needs for new electronics devices We can also match the filler material to the housing, in order to significantly reduce the corrosion potential. And with the EMI/RFI gasket dispensed as an integral part of component itself, you gain efficiencies that enable you to realize a lower total cost of ownership.

THERMAL TRANSFER

Thermal materials suffer from the same limiting factors using traditional sealing techniques. With robotically controlled dispensing, materials can be applied with precision resulting in higher yields and consistency.

PRECISION LIQUID ADHESIVES

Hand held dispensers and syringes lack computerized accuracy, which leads to material waste as a regular occurrence. In contrast, our software-driven, precise shot metering maximizes your efficiency. Through our leading edge process, adhesive is dispensed only where needed, limiting rework and high scrap rates caused by adhesive migration.

Also, under our advanced approach, multiple parts enter the value stream as a single assembly simplifying your job management from multiple POs and vendors to just one.

OUR QUALITY PROCESS:

Our success is founded on customer satisfaction through consistent high quality.

Utilizing the latest in measuring technology, our in-process inspection ensures all parts meet specifications.

State Seal Company is registered ISO9001/AS9100 and committed to the continuous improvement of our quality system.

AS9100 Certified

OTHER QUALITY SERVICES WE OFFER:

- *Standard and Metric O-ring distribution*
- *Gasket Fabrication*
- *Custom splicing and bonding*
- *Kit assembly*
- *Material selection*
- *Rapid prototyping*
- *Custom labeling/ packaging*
- *Inventory management programs*
- *Slitting and laminating*
- *Engineering support*

DOW CORNING · Parker · 3M · CHOMERICS · Parker · LOCTITE