

1 Medical Casting with 3 Coatings



A CASE STUDY

Batesville Products, Inc.

434 Margaret Street
Lawrenceburg, IN 47025
batesvilleproducts.com
812-537-2275





The Customer

This customer is in the medical industry. This particular part is used in blood analyzing equipment.

The Challenge

This customer required a complex part. Not only was the geometry and machining complex, but the part required **3 unique surface finishes and coatings**.

The Solution

We took on the project by casting, machining, and polishing the part in-house. Then, we worked closely with our trusted coating partners to achieve the 3 different required finishes.

This saved the customer from juggling multiple suppliers.

Finishing

Applying **3 unique finishes** required close coordination with our coating partner. This is a complex process; it is important to keep castings clean to present various finishes.

After parts were casted and machined, we sent them to be coated. Then, the parts were returned to be **machined again** to remove some of the coating. Then, they were sent back to the coater be masked and finished with the third coating type.

One section is coated to optimize conductivity, one to protect the part, and one to isolate the casting from other pieces of the assembly.

The Outcome

Our customer greatly valued from having a **single supplier** manage the entire project, rather than juggling four companies to create one part.

Batesville Products and our friends in the coating business rose to the challenge of tackling a **complex** casting, machining, and coating project.

Aluminum castings with low porosity and fine grain structure are ideal for the medical industry.

At Batesville Products, we have experience manufacturing cart bases, heat sinks, pump enclosures, and structural components for MRI machines and scanners.