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## Stamping out unnecessary cost

One of Brainin’s long-time customers was welding three separate parts together to form one assembly.

Seeing an opportunity to produce the component more competitively, Brainin engineers proposed manufacturing the part as one piece.

At first the customer was skeptical that it could be done. But, according to Brainin product specialist Frank Spunzo, “They saw the potential cost savings, and gave us the go-ahead to consider a different approach.”

The team consisted of a Brainin design engineer, the customer product engineers, and a metallurgist. First, Brainin designed a new progressive die. Then the team tested a number of materials.

Collaborating with the client, Brainin ultimately produced the part as a single stamping that met the client’s precise specifications.

Says Frank Spunzo, “It was a surprise solution to a problem our customer didn’t even know they had.”



Before, Step 1: Three separate components are produced.



Before, Step 2: Two welding operations are required to produce assembly.



After: Brainin engineers effect precise results through a single stamping process.

### Customer benefits:

- Throughput increase
- Cost savings on welding operations
- Fewer secondary operations required
- Improved equipment utilization

For more information, contact PEP Brainin at 508.226.1200.