

12-Piece Welded Part Transformed into 1 Casting



A CASE STUDY

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The Customer

This customer is a multimillion-dollar company in the entertainment industry. This part plays an instrumental role in grabbing items inside of a vending kiosk.

The Challenge

This part was originally made by welding 12 complexly machined pieces. The customer was looking for a solution that would **simplify the manufacturing process** of this part and **cut costs**.

The Solution

The 12-piece part was transformed into a **single, permanent mold casting** completed with an in-house machining operation.

The Outcome

The customer was ecstatic by the results of permanent mold casting.

The 12-piece welded part became one **structurally sound** and **repeatable** product, thanks to the **design assistance** from our engineering team. At the height of their demand, we were casting and machining **thousands** of these parts year after year.

The customer saw **return on investment on their tooling costs within just a few months**.

But most remarkably, the customer **saved 40%** off their original production cost.