

# Automation

Manufacturer Reduces Costs  
with Cutting-Edge Automation

Focus  
on Success

Customer:  
confidential

For this die casting manufacturer, improvements in automation of casting, degating and inspection gave their client the edge on the competition.

When our customer was helping a leading manufacturer develop a revolutionary new personal-care system, it wanted a value-added automation solution that kept pace. One that integrated with its current manufacturing process efficiently while trimming costs at every step. CRIQ helped bring cutting-edge technology to this customer—with spectacular results.

With the development of a new product, the time was right for this industry leader to seek improvements to its traditional manufacturing process. Decision-makers wanted an integrated automation solution that could handle all production phases of a key die-casted part. It had to dove-tail with their current manufacturing paradigm, while improving efficiency and reducing costs in casting, degating, inspection and handling.

CRIQ responded with a custom machine solution integrating the most advanced robotics, machine vision and process control systems available:

- Automatically degates several million pieces per year
- Fully integrated process controls collect realtime data.
- Robotic parts handling eliminates human intervention in tedious small-parts activities.
- Easily adjusted to quickly adapt to product modifications.

## Success Snapshot

**Company**

Confidential

**Sector**

Injection molding and die casting

**Problem**

Reduce cost-per-piece

**Solution**

Machine vision and robotic handling

**Benefits**

Reduced labor costs

**Payback**

18 months

With efficient robotics permitting increased production, payback came quickly:

- 100% part inspection through computer-vision. significantly decreased defective parts delivery.
- Elimination of 60 tasks requiring human assistance
- Statistical process control improved production consistency, while neatly trimming cost-per-piece.



# CRIQ

CRIQ is a recognized integrator of



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