ROSS ENGINEERING & MACHINE, INC.



THE ROSS PLEDGE: PQD PRICE IS FAIR QUALITY IS RELIABLE DELIVERY IS TIMELY

Customer's Problem:

Purchase a manufacturing solution for a complex formed aluminum extrusion with pierced and notched features in multiple surface planes. The process must accommodate both a left and right hand part.

ROSS E&M Solution:

To achieve reliable production and throughput ROSS would engineer a process using a combination of a stamping die, a multi station machine and a forming press.

The stamping die would pierce, notch and form all features on the surface plane that could be completed in a conventional press die.

The second operation is a hydraulic or pneumatic work cell to complete all features that require non-conventional methods. Examples of these features are blind pull notching, part end deburring and chamfering, part number marking, feature presence verification and machined features that are not available to accomplish in the stamping die.

Lastly, ROSS engineered a standalone hydraulic forming press and "die" that could be adjusted to accommodate various extrusion characteristics that may arise due to variations in the extrusion geometry or properties.

ROSS Engineering & Machine Engineering:

- Custom Tools and Dies
- Custom Fabrication Work
 Cells

Manufacturing:

- Short to Medium Precision
 Machining
- Short to Medium
 Production Stamping
- Our Engineering or Build to
 Print

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