



Request for Information Template

RFI-2025-MFG-014 / PRJ-OH-2025-003

Complete

Score	0 / 0 (0%)	Flagged items	0	Actions	0
Name of Requesting Party		Arthur Miguel			
Date and Time of Request		11.08.2025 14:10 PST			
Project Location		Toledo, Ohio			
RFI Number		RFI-2025-MFG-014			
Project Name		Press Die Material Evaluation			
Project Number or ID		PRJ-OH-2025-003			

Request for Information

RFI Overview

We are in the process of finalizing the design for our new metal-stamping production line at our Toledo, Ohio facility. The tooling supplier's original specification calls for a high-tensile steel alloy (grade HTS-197) for the main press dies. Our engineering team is exploring the possibility of using a lighter aluminum alloy (grade 6061-T6) to reduce press wear, lower electrical consumption, and improve changeover efficiency, while maintaining required durability and yield performance.

Section(s) Referenced

Text

Request

Clarification Needed: Please provide comparative mechanical property data sheets for both HTS-197 and 6061-T6, including:

- Tensile strength (psi)
- Fatigue resistance (cycles to failure)
- Hardness (Rockwell scale)
- Expected tool life under cyclic loading in high-volume stamping applications

Alternative Materials: Please recommend any other alloys that could deliver similar or better performance with a cost-effective balance between durability and weight reduction.

Request Attachment

[Material Performance Specification.pdf](#)

Response Needed By

15.08.2025 12:00 PST

Date and Time of RFI Receipt

Response

Response Attachment

Name of Responding Party

Date and Time of Response

Media summary

File summary

[Material_Performance_Specification.pdf](#)