

**Solving 3 major issues,  
Molygraph Punch 4300S SRI  
provides an odourless,  
FDA approved solution  
that eliminates cracking at  
bends.**



**Industry: Punching and Stamping | Application: Aluminum food container manufacturing**  
**Machine Make: Burr Oak FP-3 | Client: Aluminum food container Manufacturer**  
**Location: West India**

## Overview

An aluminum food container manufacturer was using IPA mixed with oil for stamping aluminum food containers. They were facing multiple issues relating to smell, insufficient lubricity (cracking around the bends) and safety hazard due to incidental food contact of the lubricant. Molygraph took up the challenge of finding a single solution to all of the above problems.

## Challenge

- ⚙ Odorless lubricant with excellent lubricity.
- ⚙ Food grade certification.

## Solution

**MOLYGRAPH PUNCH 4300S SRI**  
Evaporative Punching and Stamping fluid

- ⚙ Excellent lubricity.
- ⚙ Clean burning without leaving any residue.
- ⚙ Quick drying with an optimized flash point.
- ⚙ FDA Approved



## Benefits of Molygraph Punch 4300S SRI

| Technical Specifications | Competitor Product | Punch 4300S SRI | Test Method | Molygraph Advantage                                     |
|--------------------------|--------------------|-----------------|-------------|---|
| Odor                     | Unpleasant odor    | Odorless        | -           | Solves the odor issue                                   |
| Flash Point              | 63°C               | 54°C            | -           | Faster evaporation                                      |
| Evaporation %            | 84.31%             | 99.92%          | *CTM        | Lower residue and smoke formation during heat treatment |

### Results

5000 aluminum food containers were stamped with Molygraph Punch 4300S SRI. The lubricity was excellent, eliminating the cracking around the bends. There were no complaints about the odor. Overall the performance of the product was satisfactory and solved all three major issues.

**Elimated cracking at the bends.**

**Odorless lubricant with excellent lubricity. FDA Approved.**



*We accelerate industrial productivity by providing the most efficient lubrication solution.*

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