

Transfer Tooling

Why Thogus



Here are a couple ways that Thogus adds value to transfer programs.

Tooling Expertise

When tools do not perform as expected, the slightest modification or combination of modifications can make all the difference.

Since 1950, Thogus has been building, repairing and running all different types of injection molding tools. There is not much we haven't seen. Our experience is what separates us from the competition to quickly and accurately assign root causes to various issues and subsequent repairs.

Plastic Processing Experience and Great Equipment

In order to save money on initial tooling costs or to win a new job, OEMs or injection molders might build inadequate tooling. Current suppliers may not have the processing expertise to manufacture quality parts using inadequate tooling.

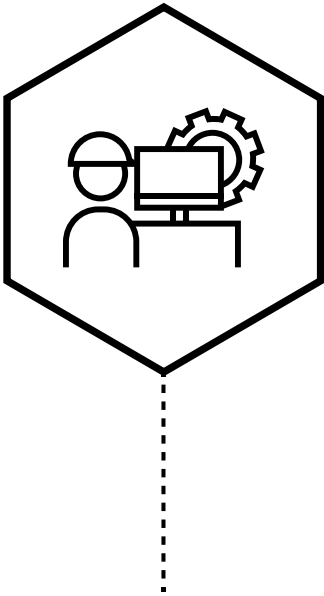
We hire and train great plastic engineers capable of establishing robust processes on all types of tooling.

We invest heavily in new equipment and PM schedules to ensure our molding machines hold the tightest processes.

The combination of well-trained team members and great equipment is the foundation for running all types of tools.

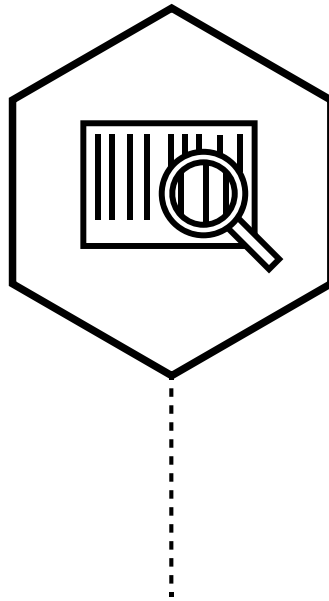
Transfer Tooling

Our Process



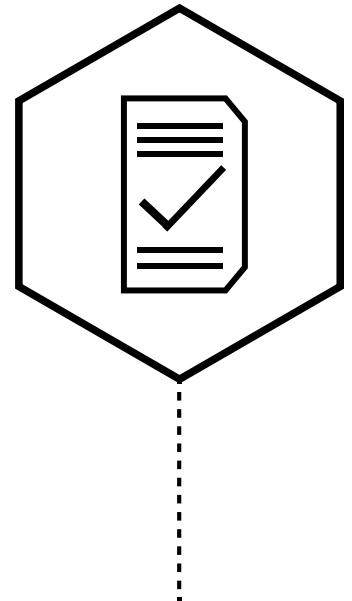
1. Pre-Transfer

Review 2D and 3D part design and tool design data. Confirm high probability that Thogus will be able to sample the mold.



2. Inspection

Receive tool, inspect, familiarize, clean and document concerns.



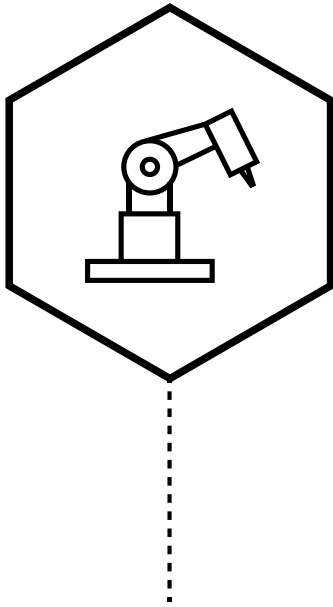
3. Approve for Sampling

Tooling must pass inspection before being approved for sampling.

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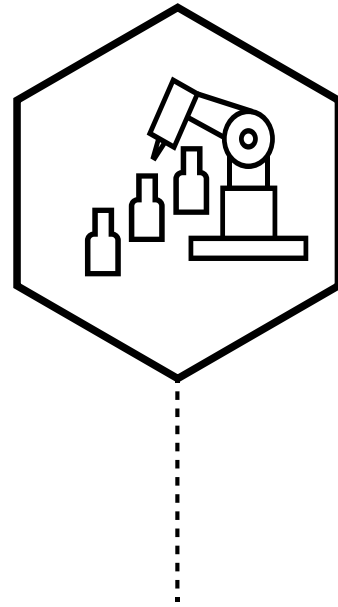
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4. To Sampling

Initial tool sample, process optimization, part layout.



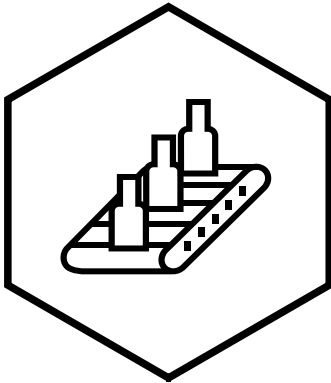
5. T1, T2, T3, etc

If T1 parts are not acceptable, tooling will be modified and sampled as needed until parts are acceptable.

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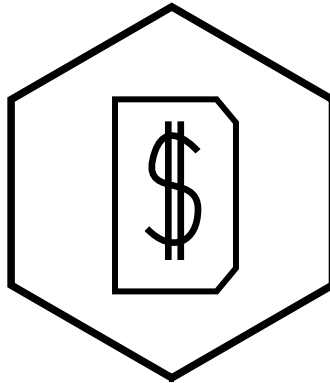
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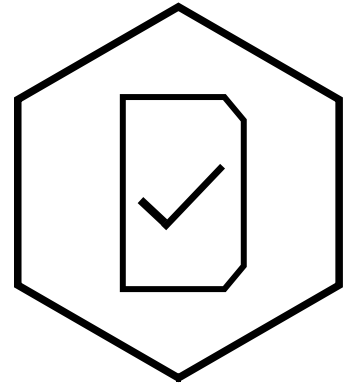
6. Validation

Validate tooling by running a typical release quantity.



7. Final Pricing

Update pricing based on actual costing parameters (cycle time, labor requirements, part weight, runner weight, scrap rate, etc.)



8. Submit Fair/PPAP

Submit Fair/PPAP according to client requirements.

Transfer Tooling

Tips For A Smooth Transfer



Follow these helpful tips for a smooth transfer process.

Clients can transfer tooling without providing any upfront information. However, to ensure smooth transfers, we request the following information ahead time so a proper plan can be developed:

1. 3D CAD files and 2D released prints

- Assists with confirming we have the proper equipment
- Assists with developing proper quality and production plans

2. 3D/2D Tool Design Data

- Assists with confirming we have the proper equipment (i.e. will the mold fit in the press, does the press have the required functions to run the mold)

3. Approved and Rejected Part samples

- Assists with developing QC plan
- Provides goal posts for optimizing injection molding process

4. Detailed list of known RMAs

- Historical data can be used when evaluating a tool for repairs, as well as process validation

5. Current Set-up and Process Parameters

- Used as a baseline to run initial samples

6. General information

- Tool maker
- Year built
- Number of shots
- Known repairs/modifications

