



**At Control Plastics & Metals we take a lot of pride in how we start and finish projects for customers.**

Control Plastics & Metals has been in manufacturing industry since 1978.

We try to solve any potential issues we see with the part before we start manufacturing.

Each project starts with a DFM (design for manufacturing) report that is similar to the one attached.

The **DFM Report** covers:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Gating        | <input type="checkbox"/> Mold Flow (Weld Lines, Air Traps, Short Shots) | <input type="checkbox"/> Cooling                                     |
| <input type="checkbox"/> Mold Concept  | <input type="checkbox"/> Sharp Internal Corners                         | <input type="checkbox"/> Secondary Process requirements              |
| <input type="checkbox"/> Parting Lines | <input type="checkbox"/> Thin Steel conditions                          | <input type="checkbox"/> Slides, Lifters, Core Pulls                 |
| <input type="checkbox"/> Ejector Side  | <input type="checkbox"/> Thick/Thin plastic                             | <input type="checkbox"/> Warp Analysis available at additional cost. |
| <input type="checkbox"/> Draft Needed  | <input type="checkbox"/> Sinks & Voids                                  |  |
| <input type="checkbox"/> Sink Issues   | <input type="checkbox"/> Mold Life issues                               |  |

Upon approval of the DFM Report, we proceed with the **Tooling Design** (2D format).

This is sent to our customer for approval before cutting any steel.

The **Tooling Design** includes:

- ☐ **2D files of Tool Design; detailed views of entire design (3D available upon request).**
- ☐ **Cavity, Core and Slide Blocks supplied in 3D and updated to an "as built" specification.**
- ☐ **BOM (Bill of Materials; covers all components, steel type and rockwell hardness).**

Upon approval of the Tooling Design, we provide weekly **Tooling Schedule Report's**.

This shows the progress of the tooling.

Please see attached.

The **Tooling Schedule Report's** include a weekly timeline of all the following:

- |  |  |
|--|--|
| <input type="checkbox"/> <b>Mold Design</b>  | <input type="checkbox"/> <b>Slides</b>         |
| <input type="checkbox"/> <b>Mold Base</b>    | <input type="checkbox"/> <b>Lifters</b>        |
| <input type="checkbox"/> <b>Cavity Block</b> | <input type="checkbox"/> <b>Assembly</b>       |
| <input type="checkbox"/> <b>Core Block</b>   | <input type="checkbox"/> <b>T1 Sample Date</b> |

If you have a part or project you would like to have quoted, please contact us at 1-800-600-2010.

We look forward to working with you.

Please visit our website at [www.controlplastics.com](http://www.controlplastics.com)

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*Custom Injection Molding & Manufacturing for over 35 years.*