MATRIX TOOL INC.
ADVANCED MOLDING AND TOOLING

MATRIX TOOLING TRANSFER PROCESS

1. Immediate Needs List

Let us know what your immediate needs are from us and let's develop a schedule:

- ✓ Is the mold ready for immediate transfer?
- ✓ Will it ship with last shots, any changeover and spare tooling, packaging, the raw materials needed for sampling or immediate production, process data, and a description of any critical issues?
- ✓ What are your timing needs?

2. Additional Items Wish List

All of these items are important to us, but we'll gladly work with whatever is available:

- ✓ Mold design in 3D
- ✓ Mold design in 2D
- ✓ Product drawing
- ✓ Product model
- ✓ Quality requirements
- ✓ Packaging requirements
- ✓ Last shots
- ✓ Process data
- ✓ Material grade
- ✓ Material contract pricing
- ✓ Spare tooling list
- ✓ Known issues with frequency
- ✓ Mold repair history
- ✓ Target pricing
- ✓ EAU forecast
- ✓ Product shipment history

3. Receive, Inspect, Sample, Propose Solutions (as needed), Production

We get to work as our process prioritizes and expedites your tool to production:

- ✓ Receive mold on our dock
- ✓ Incoming inspection of mold, last shots, and any production or maintenance data and histories
- ✓ Sample, as applicable, and evaluate against tool steel and last shots
- ✓ Develop and propose a plan to implement any requested or recommended corrections
- ✓ Inspect product to customer requirements
  - Dual path to acquire interim approval while working toward full approval, as needed
- ✓ Schedule production run
- ✓ Excellent communication throughout

Our engineering, tooling, and production teams have the expertise to quickly resolve any tooling issues to ensure an expedited return to production – without additional headaches for you!

For additional information or to request a quotation, contact Matrix Tool, Inc.

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Matrix Tooling Transfer Process in Review

1. Plan

Our experienced engineering team will review your project requirements, CAD models, drawings, other product and tooling information, quality-related documentation, and sample and last shots data. Where necessary, we will provide a preliminary quotation outlining the estimated scope of work to resolve any issues impeding proper quality production.

2. Transfer

Our highly skilled engineers and journeymen toolmakers excel in handling delicate and complex injection mold tooling. We are also accustomed to resolving even the most difficult manufacturing challenges with these types of molds, often doing so with quick turnarounds with tools experiencing long-standing debug or production manufacturing issues. Our shipping and receiving department collaborates with your team to schedule a seamless tooling transfer, promptly addressing your production concerns.

3. Inspect and Debug

Upon receiving your tooling, our team promptly initiates the inspection process. Matrix's comprehensive tool transfer checklist involves in-depth evaluation, utilizing best tooling, process optimization, and product handling practices. Identified immediate tooling needs will be discussed with you for approval before any repairs, design changes, or tooling improvements are implemented.

4. Sample

An initial sample assesses the tool's ability to meet product drawing specifications. A cross-functional team of toolmakers, mold designers, process engineers, quality personnel, and plastics engineers reviews the product, inspection data, and mold process capability. Following this review, we create a detailed plan for achieving production readiness at Matrix, considering timing and cost. The plan outlines solutions tailored to timing and cost constraints, ranging from higher-cost options like full refurbishment to lower-cost alternatives that address specific issues without fully resolving underlying problems. Each option is accompanied by its pros, cons, and our recommended course of action.

5. Run Pre-Production

Upon validation of any tooling improvement through additional samples, we will provide a pre-production run (length to be at your discretion) with a full inspection report for your review (where required).

6. Product Inspection / Validation / Production-Ready

We'll gladly work to your inspection criteria to reach full approval allowing us to provide you with quality molded products from your transferred tooling that meet your specifications and requirements. With your tooling at Matrix, you can be assured that our team will deliver high-quality parts to your specifications consistently, competitively, and on time.

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