

MOLD DESIGN, BUILD, TEST AND ACCEPTANCE TERMS

1. COMMENCEMENT OF WORK.

The Toolmaker (hereinafter "Seller") shall perform such Services in accordance with the terms set forth herein and in Preformed Line Products (hereinafter "PLP") purchase order (Order).

- 1.1. PLP shall not be liable for commencement of any work undertaken without PLP's prior written approval.
- 1.2. The Seller shall check and confirm to PLP that they have the latest CAD files before starting the Mold design and the Mold build.
- 1.3. The preliminary Mold design layout shall be approved by PLP's engineering prior to ordering Mold material.

2. MOLD DESIGN.

Seller is responsible for providing a detailed Mold design, two (2) copies of the electronic file and two (2) printed copies of the Mold design with the Mold when it is received by PLP. The Mold design information must include all Mold revisions incorporated into the Mold after the Mold layout is approved. CAD data required to create the Mold design and manufacture the Mold will be supplied by PLP.

All Mold tool designs must comply with the following:

- a. All standard Mold components must be interchangeable with standard DME components except for manifolds.
- b. All manifold components must be interchangeable with Incoe manifold components.
- c. Metric threads and fasteners used in the construction of this Mold are NOT PERMITTED.
- d. All tapped holes and fasteners must be SAE imperial standard dimension unless otherwise specified and approved.
- e. All ejector pins, sleeves and ejector blades must be SAE imperial standard dimension.
- f. All Molds must have guided ejection, positive ejector returns and parting line locks.
- g. The Mold ejector stroke must be sufficient to fully eject the parts from the Mold with a single stroke.
- h. Parts must eject evenly from the movable half of the Mold without sticking or dragging.
- i. Mold operation which shows parts sticking in the stationary half of the Mold are not acceptable.
- j. All mechanical or hydraulic slides must have hardened gibs.
- k. All slides must ride on lamina wear plates.
- l. All slides must have slide retainers installed to ensure slides are properly positioned during the Mold operation and are securely contained within the Mold base and/or components.
- m. Front Load-able DME date wheels are required.
- n. Unless specified otherwise, all date wheels are to be 10mm DME Front Removable Mold Dating Inserts. DME part number FYM_*_10. The *_ is for entering the year when ordering.

Any deviation from this requirement must be communicated to the PLP designated contact and approved prior to making any change.

3. MOLD CONSTRUCTION.

All Molds are to be constructed per PLP Mold specifications dated July 18, 2001, or later. The current revision drawing is to be the governing document when making the tool. Seller shall refer to PLP's Order for the required drawing revision.

- 3.1. The preliminary Mold layout must list all major Mold components and steels to be used.
- 3.2. Preliminary Mold layouts must show a schematic of the water circuit.
- 3.3. PLP will be responsible for any rework or revision to finished details in the Mold that are attributed to engineering design revisions after approval of the preliminary Mold layout.

4. MOLD TRIALS.

All initial Mold trials may be attended by a representative from PLP. If it is not possible for a representative from PLP to attend

the Mold trial in person, a digital video showing complete Mold function of at least 10 Mold cycles shall be provided by either email or supplied with the trial run parts. This video shall be sent to the PLP designated contact.

- 4.1. Initial Mold samplings shall include a series of short shots, when appropriate, reflecting approximately 25%, 50% 75%, and 100% cavity filling.
- 4.2. All material for Mold trials will be as specified by PLP. Material certifications shall be included with all part submissions.
- 4.3. Each Mold trial must show that the Mold runs satisfactorily (100% Yield) for a minimum of 1 hour at operating temperature and produce a minimum of 100 Mold shots per Mold trial.
- 4.4. All Mold trials must include a completed PLP Mold and machine processing setup sheet included with each part submittal. The seller will contact PLP for this document if there is none available at the sampling location.

5. MOLD TOOL VALIDATION.

- 5.1. The Seller shall supply inspection reports certifying that dimensional features identified on the part drawing as being critical have been inspected in the Mold and meet the required dimension with material shrinkage included.
- 5.2. Seller shall visit PLP's location at time of tool delivery and validation to ensure proper processes and protocol are being followed.
- 5.3. PLP shall not be liable for any rework or revision to finished details in the Mold unless attributable to PLP engineering design revisions after approval of the initial Mold design.

6. SHIPPING/PACKAGING REQUIREMENTS.

- 6.1. PLP Part ID Number shall be marked on the outside of the packaging and crate for easy identification.
- 6.2. Use Cosmoline only when shipping via Ocean. (Do not use on Air Shipments).
- 6.3. A completed set up sheet and last shots from the trial run shall be included in the shipment.
- 6.4. The hot runner diagram shall be included on the side of the Mold.
- 6.5. Wiring for thermocouples and heaters shall be completed prior to shipment.
- 6.6. Ejector Pins shall be stamped and marked.
- 6.7. Weights and dimensions for each tool shall be provided prior to shipment.

7. PERFORMANCE; WARRANTY.

- 7.1. Seller agrees to provide the Services in accordance with established industry standards, practices, and procedures. PLP may make changes from time to time in the manner it expects Seller to perform the Services and may suspend or terminate the Services at any time.
- 7.2. Seller will perform Services based on a scheduled directed by PLP and time shall be of the essence for the performance of Services by Seller of its obligations under each purchase order.
- 7.3. Seller warrants the tool shall perform in such a manner as to achieve a minimum of 100,000 Mold strokes prior to first overhaul, subject to correct handling and use of suitable machine.
- 7.4. Seller shall include a full Warranty Statement upon successful completion of production trials and prior to final payment.

8. PROPRIETARY RIGHT.

Seller grants to PLP a perpetual, royalty-free, worldwide right to use any technology imbedded in the Services.

9. ADDITIONAL SERVICES

The parties acknowledge that PLP may require Services beyond the scope of the Order. The parties agree that such requirements for additional services shall be provided to Seller in writing.