Vectorworks Marine, LLC
Product Description

Production Tooling

Product Description:
Production tooling fabricated by Vectorworks Marine, LLC (VML) typically consists of approximately 12 oz / ft^2 of Chopped Strand Mat (CSM) in a hybrid Vinylester – DCPD matrix layed up over the plug surface. A print barrier of $^1/_8$" Spraycore layer is then applied, followed by a 12 oz / ft^2 outer skin. The moulds are framed with steel piping, which is tabbed to the mould laminate. VMI's standard production moulds are supported on a steel sub-base which rests on the floor. VML also utilizes Cook's Opti-Plus tooling system for mould building. Due to environmental restrictions, all moulds are produce using Low HAP, VE Tooling Gelcoat.

Pre-Requisites:
Prior to beginning work on the Production Mould, it is first necessary to either create a Basic Plug or to have physical possession of a Glass Master or part for which the mould is to be created. Most frequently, a basic plug is made and the surface finished, and then a Production Mould is laminated over the finished plug.

Surface Finish:
The surface finish of the production mould will, as a standard, be that of the plug used in its fabrication. At the request of the customer, the production mould can be tooled out to a higher surface finish.

Durability:
Production Moulds fabricated at Vectorworks Marine, LLC will have a service life consistent with other production tools in the industry. This service life will be largely dependent on the production cycle of the parts being produced in the mould.

Pricing:
Pricing is affected by a number of variables, not the least of which is the relative complexity of the surfaces to be tooled. Accordingly, pricing estimates will have to be provided on a project basis.

Non-Standard Options:
At the request of the customer, the surface finish can be improved from that of the plug. Additionally, split moulds, rotating moulds, casters, vacuum / blow ports, and removable inserts can be provided.