



TOOLING CONSIDERATIONS GUIDE – FAIRCAST, INC.

One of the biggest obstacles metal casting buyers are faced with today is how tooling considerations and costs are going to be considered. At Faircast, Inc. we can assure you that all tooling considerations will be handled appropriately in a timely manner with clear, concise, and constructive communication. At Faircast, Inc. we provide quality castings at competitive pricing while reducing the burden of tooling concerns often associated with the launch of a new or existing project.

Faircast, Inc. prides itself on being able to fully comply with the needs of each customer while being sensitive to the demands and cost considerations of each project. Rest assured, we will do whatever is necessary to make a seamless transition to production phases of each and every project. We're excited for the opportunity to serve your needs and look forward to developing a successful business relationship.

As a resource to answer some frequently asked questions and familiarize yourself with Faircast, Inc., here are a list of questions or things to consider when looking for, or launching a new or existing tooling project...

Is the tooling new or existing?

All efforts for new tooling builds are intended to satisfy the requirements of the customer. All aspects of new tooling build projects will be considered and communicated to the customer at appropriate intervals.

If existing tooling is available, Faircast, Inc. will make every effort to retrofit according to molding equipment specifications. Special considerations may be necessary when determining retrofit compatibility to a new system. Other things to consider are tooling condition, pattern material, shrink factors, and rigging adjustments. Often times, small adjustments are needed when projects are moved from one foundry to another. Special considerations are also possible with core tooling.

Molding system requirements and equipment needed?

The customer project will be adapted to the appropriate equipment best suited for the application. All production demand and quality requirements will be considered. Please contact a Faircast, Inc. representative for specifics.

Who is going to build the tooling?

The complexity and the timing of each project will likely dictate where the tooling build or retrofitting process takes place. While most new tooling will be sub-contracted, our in-house tooling shop will handle the rigging of runners, gates, risers, amongst other considerations. Our sub-contracted tooling comes from highly regarded manufacturers with proven ability to produce quality tools.

What is the "Estimated Annual Usage (EAU)?"

This number is critical for determining the molding equipment to be used, production rates, the number of patterns on, and other such attributes according to casting design. Faircast, Inc. will be sure to communicate any additional concerns as they arise. Having a good EAU gives us a clear understanding of the tooling characteristics needed to produce quality parts with outstanding delivery rates.

What is the appropriate tooling material?

All tooling developed for Faircast operations is made from metal. Rigging may be made from other materials. Any special considerations requiring substitute material should be communicated to Faircast prior to build-out.

Are there design aspects critical to the casting design?



Castings characteristics such as thin walled areas or heavily cored sections can present unique challenges to many tooling designs. Faircast, Inc. will be certain to communicate any potential considerations for discussion. Complex parts may require additional considerations or sampling requests.

How long will the build out take? What's the lead time?

We understand many projects have tight deadlines. We will to the best of our ability, provide you an accurate assessment of tooling completion as well as the timing of sampling and production part approval processes. Typical build-out/lead time for tooling is 8-10 weeks.

Cost Considerations?

Faircast, Inc. would like to be confident and conscious in the assessment of cost for all phases of any project. Faircast, Inc. will do everything possible to adhere to the tooling budget as proposed.

Rapid prototyping?

Please reach out to a Faircast, Inc. representative for further information.

Tooling life?

Our tooling life typically outlives the life of the castings they produce. Any concerns will certainly be brought to attention well in advance of any potential issue.

Storage and Maintenance?

Rest assured that your tooling will be consistently care for and undergo routine maintenance as necessary to ensure conformity and consistency of production product. Tooling is YOUR property! – We aim to care for tooling in the same manner in which we care for our own.

We thank you for the opportunity to serve your needs! Please contact us today at 641-209-4100 or visit www.faircastinc.com for more information.