

COMPREHENSIVE SOLUTIONS

Your Comprehensive Solutions Partner

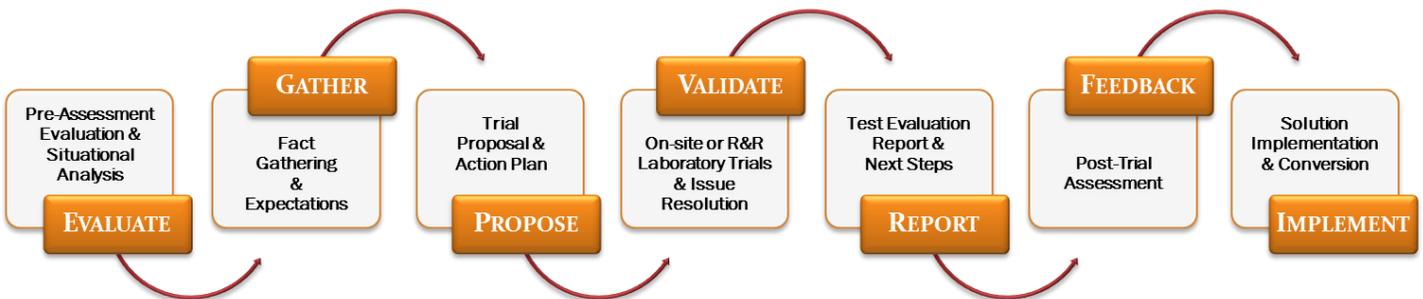
At Ransom & Randolph, we are dedicated to advancing the investment casting industry and believe in providing foundries with extensive process knowledge, exceptional technical expertise and innovative product technology. By coupling our revolutionary product developments with our experienced staff, we successfully help you become a casting industry leader. *We are your comprehensive solutions partner.*

Solutions Tailored to Fit Your Needs

We recognize that every foundry is different and what performs exceptionally for one may not perform the same for another. That's why our team is committed to partnering directly with you to identify your process hurdles, casting objectives and company goals. We consult with you to customize a solution tailored specifically to fit your foundry's needs.

Foundry Consultation & Trial

In order to identify your needs, we complete a foundry consultation, and if necessary conduct a trial, to determine the best solution for you. Utilizing this process, we take you through evaluation and analysis, fact gathering, proposal, validation, reporting, feedback, and implementation. Our team is dedicated to working with you hand-in-hand through every step of the process.



Evaluation & Analysis

Our team works closely with you to complete a pre-assessment process evaluation and situational analysis of your process concerns prior to making any material implementation or process change recommendations. This allows us to clearly understand problems, define goals and establish priorities to meet performance objectives for measuring success.

Fact Gathering

We work with your team, gathering facts to baseline current material properties and manufacturing practices to better understand the equipment, formulations and process steps used in your existing system. We take the time to determine what is happening as expected versus deviations from those standard expectations. This phase includes R&R laboratory testing to narrow down suspect process variables, assess material options and identify the best solution for your foundry.

Proposal

Our team evaluates the information gathered to tailor a proposal specifically for your facility; including a statement of problems, a list of goals and a clear action plan for the team to evaluate and implement. Depending on problems identified, trials may be conducted in the R&R laboratory or on-site in your facility. Once the proposal is reviewed and accepted, the action plan is finalized and we work hand-in-hand with you to establish the action plan's implementation timeline.

Validation

With mutual agreement on the solution proposal, we work on-site at your facility, building slurries or investments; dipping shells or casting flasks; reviewing casting results; and adapting process variables. The validation process is designed to make a quick impact at your facility for problem resolution; while minimizing overall disruption to your daily operations.



RANSOM & RANDOLPH

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Reporting

Upon trial completion, our team will complete a thorough evaluation report that reviews the original objectives, an overview of the action plan, a summary of test results, data interpretation and suggested next steps. Where data indicates that performance or process improvements are possible, next steps might include robot scale-up, production implementation or on-site execution of R&R laboratory work. If data is inconclusive, next steps might suggest an amended action plan.

Feedback

We compile your feedback on the tested solution and process to confirm success and determine how well the solution met your needs.

Implementation

After positive test evaluations, implementing the solution in a timely manner allows you to quickly reap the benefits of success. We diligently work with you to develop and implement a conversion plan, while offering extensive resources and valuable support along the way.

Customer Success Stories

Customers indicate that our consultation process and tailored solutions provide them with:

- Increased foundry productivity
- Decreased shell material consumption
- Faster slurry make-up
- Improved slurry maintenance
- Decreased spalling, scrap and rework
- Cost reductions



Schedule Your Consultation Today

Whether you need to make a minor product or process change or you require a complete system overhaul, we have a solution for you. To schedule a consultation, contact your R&R Regional Manager or R&R's technical team at 800.253.4502.



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