

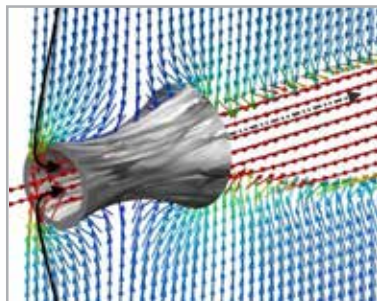
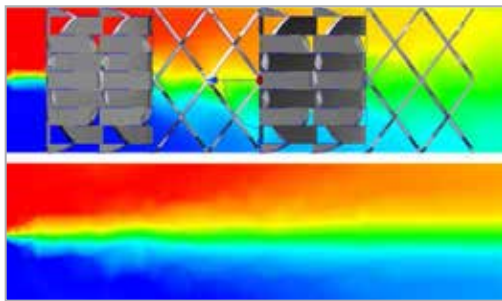
Mixing

CFD Analysis Consulting

IMAGINiT provides an effective collaborative consulting business model to deliver CFD simulation services for confident design decisions. The insight we provide empowers our clients to create robust designs faster and more reliably without distractions to their current development process.

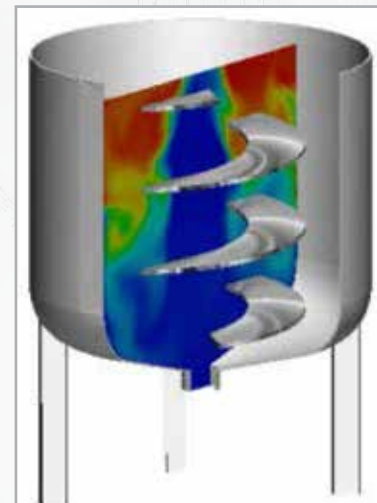
Our model is built on leveraging strengths

By partnering with IMAGINiT, the analysis process is left to our analysis experts and the design process is left to your design experts. Sharing of these core competencies encourages continuous collaboration and bi-directional flow of information. This ensures all design guidance and ideas exchanged fit within your constraints for timing, cost, manufacturability, size and aesthetics.



Application Areas:

- ▶ Agitators
- ▶ Static mixers
- ▶ Nozzles / eductors
- ▶ Paddles / impellers
- ▶ Industrial mixing
- ▶ Food processing
- ▶ Medical



Benefits of IMAGINiT insight:

- ▶ Assessing performance effectiveness before component procurement
- ▶ Reducing time required for homogenous agitation with less power consumption
- ▶ Enhancing low-level agitation through properly sizing & locating pumps/nozzles
- ▶ Balancing overall performance with size, cost and maintainability
- ▶ No flow/mixing expertise or software needed – We have it!

Initiatives impacted:

- ▶ **Cost Control** – mitigating overdesigning, redundancy and field retrofits
- ▶ **Time to market** – reducing exploratory testing with greater confidence
- ▶ **Differentiation** – substantiating performance claims
- ▶ **Compliance** – achieving specifications with better designs the first time
- ▶ **Brand Recognition** – introducing superior products ahead of the competition

What are the biggest reasons companies partner with IMAGINiT?

Design Insight. Our team provides impactful design insight for understanding how to fix a problem or innovate new and better performing products without diverting internal engineering resources.

Analysis Expertise. Our team has built careers around CFD analysis and we have the expertise to confidently gain and interpret simulation results to empower our clients to make informed design decisions and meet critical project deadlines.

Preserve design intent. Our process is highly collaborative and built around leveraging the strengths of both IMAGINiT and our clients. The combination of focused core competencies and frequent design review meetings where IMAGINiT works as an extension of the team ensures we are always in lock step with your objectives to preserve the original design intent.

“The IDP (now IMAGINiT) team provided valuable insight into the performance of various mixing concepts within one of our latest agitators, allowing us to confidently provide a cost-effective solution in a new market area without sacrificing mixing efficiency and other benefits our customers expect from DCI and the PharMix® brand. In a matter of weeks, we had simulated all options and uncovered the most effective strategy for producing a homogeneous mixture and avoided significant laboratory testing. This got us to final testing and ultimately to market faster than previous product lines.”

Brian Uhlenkamp
VP Engineering, DCI, Inc.

US/CANADA

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