

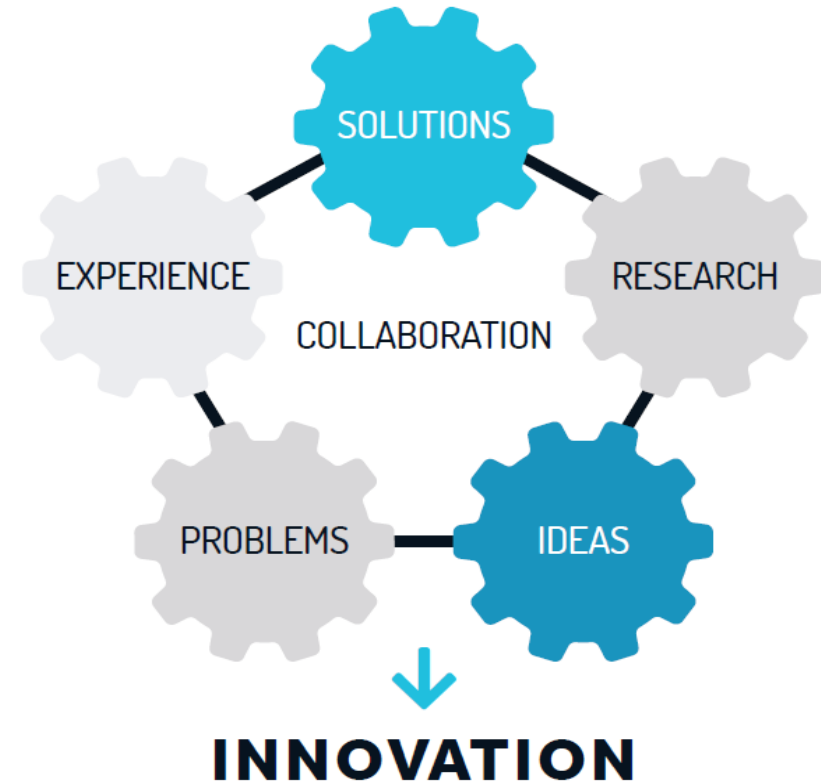
OMIC R&D

a Collaborative Partnership between
Industry, Academia, Philanthropy and
Government to solve industry challenges
TODAY

Innovation Through Collaboration

Through collaboration, innovation is born, resulting in applied solutions for our members to make products **better, faster, greener** and **less expensively**.

This translates into a robust manufacturing industry creating more jobs, better jobs, a safer workplace, and a healthier economy.

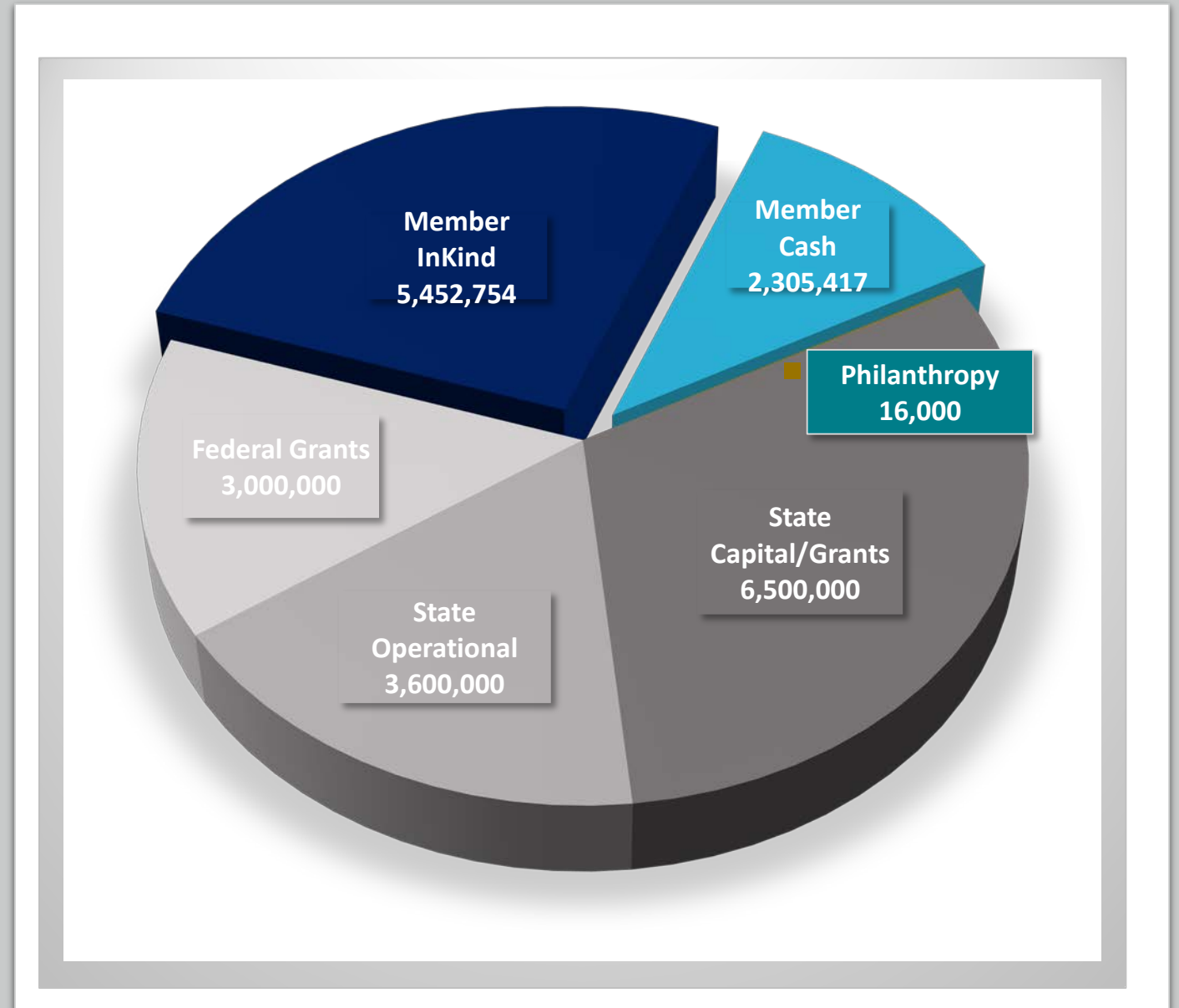


OMIC R&D's Growing Membership



Funding: First Two Years

- Member cash dues fund research projects only.
- Member in-kind dues provide valuable equipment for research projects.
- State and Federal funds provide operational and capital funds for both infrastructure and equipment.



Current R&D General Projects

1. Dynamic Characterization of Machine Tools
2. Precision Hole Making
3. Rapid Tooling with Additive Manufacturing
4. Adaptive Dynamic Machining Control
5. Corrosion Resistant Layer on Carbon Steel
6. Multi-Purpose Workforce Development Platform for Surface Treatment
7. Ball Screw Rapid Forming
8. Hard Material Drilling & Reaming
9. Force Milling & Turning Feed Rate Optimization
10. Grinding Process Monitoring and Optimization

The Next Two Years

- Creating 3 research Centers of Excellence:
 - Cutting Tool Design, Production and Inspection
 - Gear Making
 - Rapid Tooling
- Developing a distance learning initiative to up-train manufacturing employees in the workplace, and re-train those seeking to transition to a manufacturing career.
- Building a collaboration with K-12 schools, community colleges, and universities to provide seamless pathways for young people to gain the training and education needed for well-paying manufacturing jobs.

Questions?

