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# Organizational Presentation – Q1 2025

# Agenda

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- About Us
- Current Capability Review
- Core Competencies
- Key Differentiators
- Tech/Cert Milestone Timeline

## Appendix

- Material List
- Industries Served
- Part Galleries



# About Us

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- Parason Machine, founded in 1991, was purchased and rebranded as Paradigm Polymer in October 2023.
- Operations moved from Deep River, CT to Branford, CT.
- All equipment, tooling, key employees, and industry know-how (IP) came along with it.
- Jan 2024, Paradigm became fully operational
- Paradigm has retained over 90% of Parason Machine's legacy customers.
- New customer acquisition began April of 2024.



**Paradigm Polymer, Branford, CT. ~6,000 sq ft**

# Current Capabilities

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- Up to 1.0" diameter plastic bar stock capacity (round, hex, and others).  
Beyond normal turning & drilling primary operations, we provide:

Back Drilling



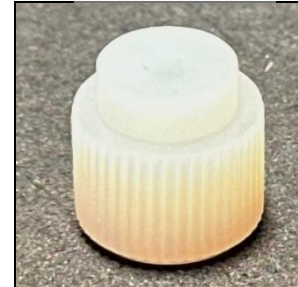
Threading



Trepanning



Knurling



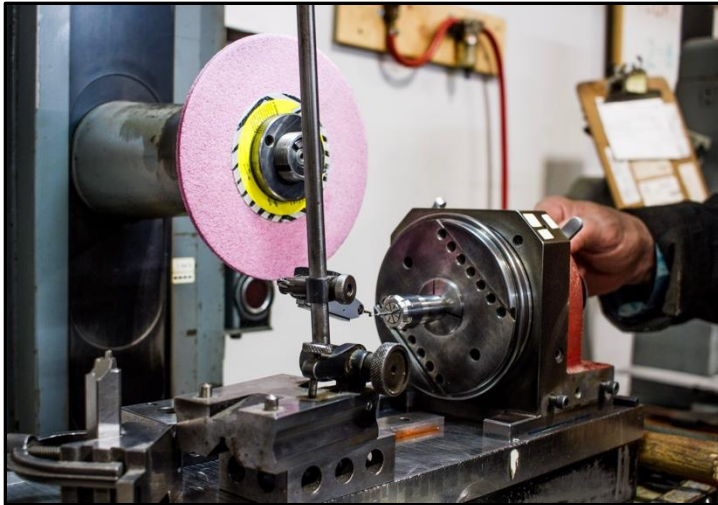
Burnishing



- Full secondary operations department with additional capabilities, including deburring, cross drilling, and others.

# In House Core Competencies

## *Tool Making*



- Custom tooling for each job
- Optimizes repeatability & part finishes
- Allows changes from customer redlines or manufacturing feedback to occur in-process with minimal schedule impact

## *Centerless Grinding*



- Bar stock grinding is kept in-house
- Allows for +/- .0001 diameter consistency
- Enables repeatable accuracy to provide unparalleled tight tolerances during manufacturing

## *Unsurpassed Plastics Experience*



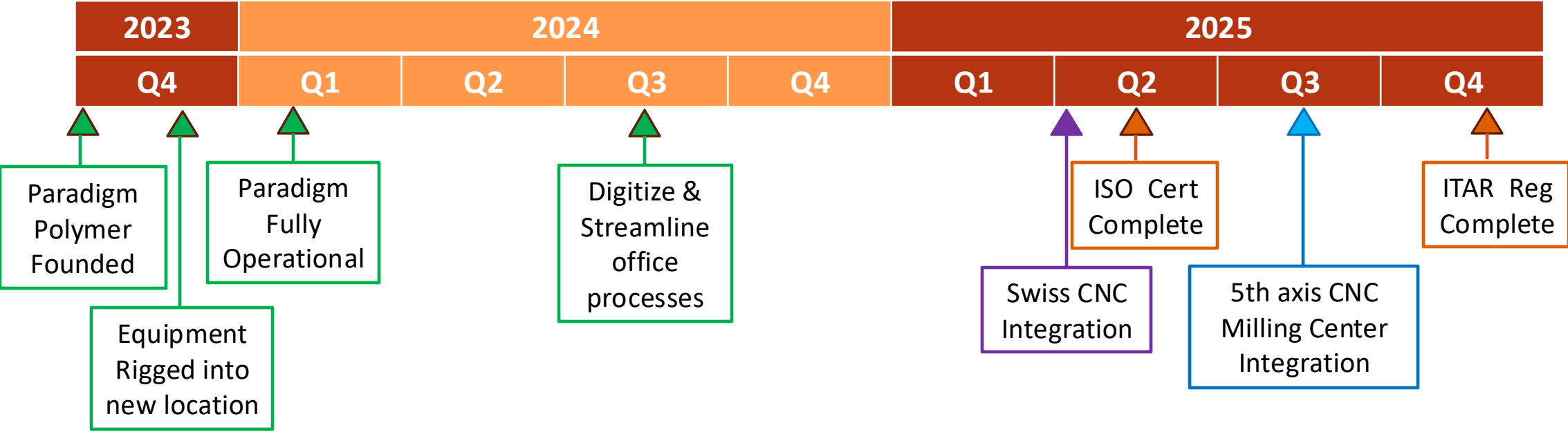
- Most shops primarily machine metal, with plastic as an auxiliary service.
- Plastic is our primary focus; has been for decades. We have become experts at the craft and its best practices which translates to low cost and high quality

# Key Differentiators

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- Increased assembly conformity rates via tighter tolerances.
- Increased product performance and application capability.
  - Enables engineering to open the spec envelope, allowing for a broader range of applications / performance specs.
- Responsiveness: Standard operating procedure is to always leave some capacity for expediting existing customer needs.
- Superior Quality: constant in-process inspection and custom tool design to facilitate long run repeatability.
- Higher standard in shop than most customer specs and tolerance callouts.
- Very competitive US based pricing, especially with large volume.

# Milestone Timeline & Roadmap



- Completed milestone
- Planned milestone
- New Tech milestone
- Upgraded Tech milestone

# Appendix

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# Materials we machine

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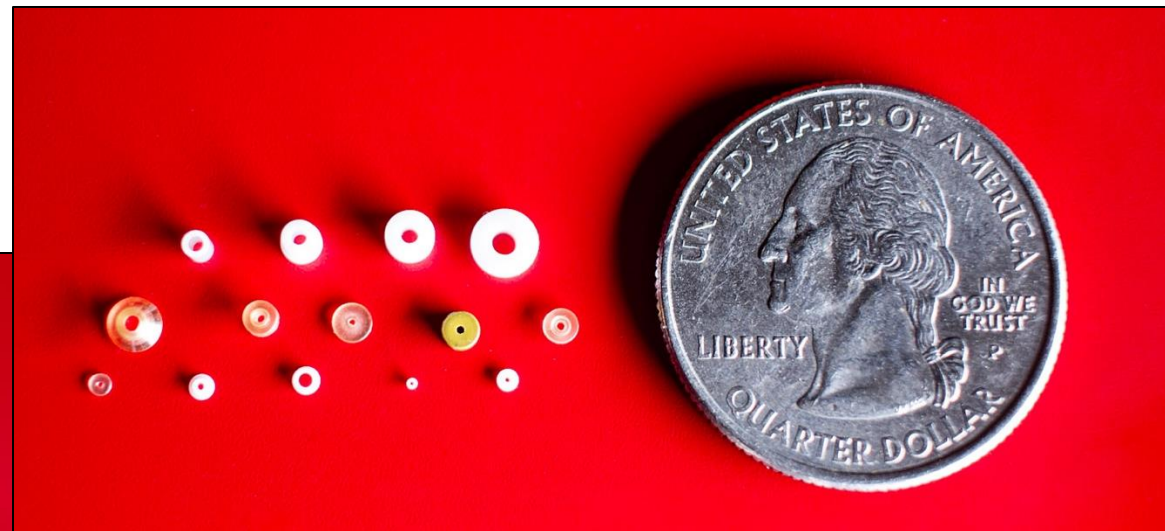
- Teflon® (PTFE)
- Vespel SPC-5000
- Vespel SP-1
- UHMW
- TurciteX
- TPX-DX 845
- Torlon 4203
- Radel PPSU
- Nylon
- PVC
- Polysulfone P1700
- PFA
- ETFE
- PET
- NXT-85 Kynar
- Halar
- FEP
- Acrylic
- Delrin® AF
- Natural Delrin®
- PEEK (Poly Ether Ether-Ketone)
- ABS (Acrylonitrile Butadiene Styrene)
- Ultem® 1000
- PCTFE (Kel-F)

# Markets we serve

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- **Aerospace**
- **Beverage Industry**
- **Consumer Electronics**
- **Heavy Equipment Manufacturing**
- **Marine & Watercraft**
- **Oil & Gas Extraction**
- **Telecommunications**
- **Automotive Connectors**
- **Connectors**
- **Defense**
- **Fluid Regulation**
- **Medical Device Manufacturing**
- **Printing**

# Part Gallery 1



# Part Gallery 2



# Part Gallery 3



# Part Gallery 4

