



Capabilities Statement

Collaer Enterprises Inc dba
CENTRAL PATTERN and MACHINE
101 North Oakridge Drive, North Prairie, WI 53153
Quality + Accurate + On Time
www.centralpatternmachine.com

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ABOUT Central Pattern and Machine

Central Pattern and Machine was first established in 1979 as Central Pattern Corp. Wisconsin, Inc. We are a full-service pattern/mold and tool shop, located 20 miles west of Milwaukee in North Prairie, WI. We use our 40-year Mechanical background in aviation, automotive, marine, medical and machine design, along with new product development/rapid prototyping, to expand on an already successful tooling business into the future. We provide tooling for casting and molding industries for our wide range of customers that include lost foam, plastic injection, thermoform plastics, fixturing, prototype parts, and specialty machines/machining. Some of our most complicated projects have 21-49 cores!

CORE COMPETENCIES

- 3D part modeling/design and engineering support with drafted and molding requirements considering all manufacturing applications.
- Design for Prototype, Production and Additive Manufacturing.
- Simple “no core/segments” to complex “multi core/segments” with pulls and loose pieces.
- Machined parts in soft metals, plastics and composites.
- Casting procurement in prototype/limited quantities.
- Molded parts in prototype/limited quantities.
- Reverse engineering projects from existing parts and/or tooling.
- Laser scanning for developing CAD geometry.
- Foam patterns, CNC cut for limited casting eliminating the need for foundry tooling.
- Make patterns for sand, wax, lost foam, along with plastic injection, thermoform plastics and fiber molds.
- Specialty machine design, new product development and rapid prototyping.
- Additional Capacity - 3-Axis Machining to 60”x120”x28”.
- Ability to translate CAD information, data and models between many CAD formats.

PAST PROJECTS

- Tank Transmission Housings
- Rocket Fuel Pump Housings
- Automotive and Aviation; Engine Blocks, Heads, Manifolds and Transmissions
- Electrical Components
- Electric Vehicle Components
- Nuclear Valves
- Turbo and Super Chargers
- Muzzle Brakes

FEATURED CUSTOMERS

- SpaceX and Blue Origin
- Allison Transmissions
- Mercury Marine, Lycoming Engines, Delta Hawk
- Hydro-Gear
- DOD, DOE, Army, Navy
- Parker, Pentair and Hunt Valves
- Caterpillar, CNH, Cummings and John Deere
- Trane Compressor Housings
- General Motors Defense, GM, Honda and Roush
- General Dynamics, L3, Renk, Oshkosh and Rafael
- GE Medical

GSA SAM Information

NACIS Codes: 332999, 333249, 333511, 333514, 333517, 333519, 333900, 333999

SAM UEI: N5WMYQ2ARML1 **CAGE CODE:** 9QRG4

ITAR Registered : Following CMMC Protocol