Joint Production Technology, Inc.

Special Indexable Cutting Tools & Precision Machining · Designed & Built in the USA since 1971

CAPABILITY STATEMENT

jptonline.com/military

CAGE 1TES8 | UEI VZEXB63PA6A5 | NAICS 333515 (primary) | ISO 9001:2015 | SAM.gov Active | Small Business

COMPANY OVERVIEW

Joint Production Technology (JPT) designs and manufactures special indexable cutting tools, tooling systems, and precision-machined components in Macomb, Michigan. Since 1971, JPT has engineered tooling for high-volume and low-volume production on both CNC and special machine tools, serving automotive, heavy-equipment, aerospace, energy, medical, and defense manufacturers in the U.S. and more than 20 countries.

JPT supports defense work from prototype through short-run production, with in-house engineering, manufacturing, and inspection under one roof.

CORE COMPETENCIES

- **Special indexable tooling:** boring bars, back-boring and micro-adjustable tools, milling cutters, line bars, reamers, indexable broaches, grooving and multi-function tools
- **Actuated and motion tooling:** generating heads (motion tools), feed-out and taper-boring tools, cartridges and tool blocks
- **Tooling engineering:** application analysis, cycle-time reduction, tool-life projection, fixture evaluation, part-family tooling
- **Tool repair and reconditioning,** including replacement of discontinued and obsolete tooling
- **Precision contract machining:** CNC turning, 5-axis mill-turn, CNC milling, CNC ID/OD grinding, cutter grinding, wire and sinker EDM
- **Low-volume and prototype components** machined to print, with CMM inspection and documentation

DIFFERENTIATORS

- Over 50 years of special tooling design and manufacture, all performed in-house in the USA
- ISO 9001:2015 quality system covering design, manufacture, and repair; ISO registered since 1994
- Approved supplier following on-site audits by aerospace and industrial customers
- Tooling engineered to the customer's part, machine, and process, not adapted from catalog items
- Single source for tooling, tool repair, and precision components, reducing supplier count
- Confidentiality: customer designs and programs are protected under NDA

PAST PERFORMANCE

- Tooling programs for automotive OEMs and Tier 1 suppliers: brake, driveline, differential, axle, engine, and transmission components
- Heavy-truck and diesel engine tooling and line-boring systems
- Reconditioning of generating heads for a powertrain manufacturer where the original maker no longer supports the product
- Precision components and tooling for aerospace and industrial customers

Customer names withheld under non-disclosure agreements; references available on request.

COMPANY DATA

Legal name	Joint Production Technology, Inc.
CAGE code	1TES8
UEI	VZEXB63PA6A5
DUNS	05-700-8823
Primary NAICS	333515 – Cutting Tool & Machine Tool Accessory Mfg.
Other NAICS	333514 – Special Die & Tool, Jig & Fixture Mfg. 332710 – Machine Shops 541330 – Engineering Services 811310 – Industrial Machinery & Equipment Repair
PSC	3455, 3460, 3461
Business size	Small Business
Quality	ISO 9001:2015, registrar BSI

IN-HOUSE CAPABILITIES

- Tooling design & engineering
- CNC turning
- 5-axis mill-turn (DMG MORI NT 4250 DCG: 26″ dia. × 60.7″ length max.)
- CNC milling
- CNC internal & external grinding
- CNC cutter grinding, carbide grinding
- Wire EDM and sinker EDM
- CMM inspection

MATERIALS

Tool steels, alloy and hardened steels, cast iron, aluminum, and carbide.

CONTACT

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