

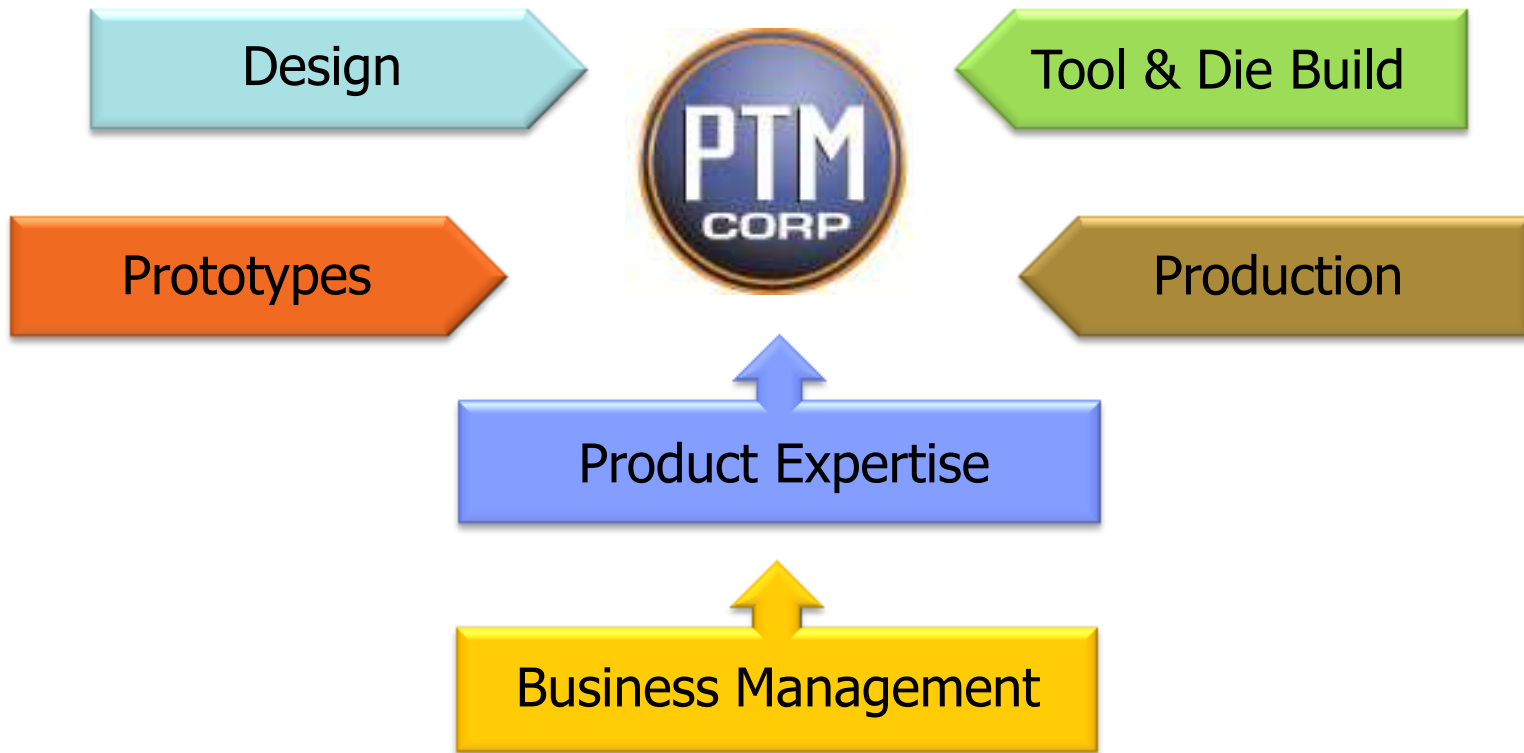
Introduction to PTM Corporation



2012

Design ■ Prototype ■ Build ■ Production

Overview





Design

- CAD Services
- Product / Tool Design
- FDM 3D Modeling

Prototypes

- Rapid Prototypes - Small
- Rapid Prototypes - Large
- Laser Cutting
- Short Run Stampings

Tool & Die Build

- Wire EDM
- CNC Machining
- Build and Try-Out

Production

- Fourslide stamping
- Capabilities Overview
- Finishing & Assembly
- Quality Control



Business Management

- Performance Improvement
- Employee Development
- International Quality Certifications

Product Expertise

- Paint Line Tools
- Brackets
- Fasteners
- Wrap Clamps
- Complex Drawn Parts
- Class "A" Surfaces



PTM is a full service metal stamper providing expertise in design, prototypes, tool and die build, and production.

The PTM Advantage

From concept to completion, PTM is your world class supply chain partner.

1. Fewer vendors
2. Shorter supply chain
3. Faster turn times
4. Risk transfer
5. One source for cost saving solutions





PTM Corporation Background

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Founded in 1972

The PTM manufacturing campus is situated on 70 acres about 30 minutes North of Detroit, Michigan.



Our Humble Beginnings





PTM Corporation Campus Today

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Facilities:
186,000 sq.ft.





Design

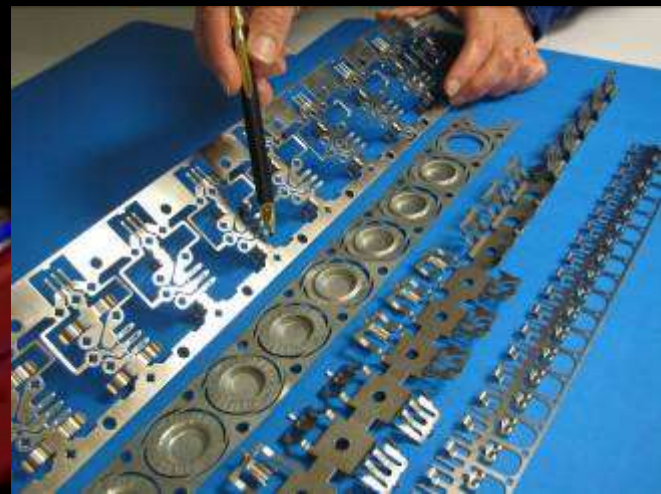
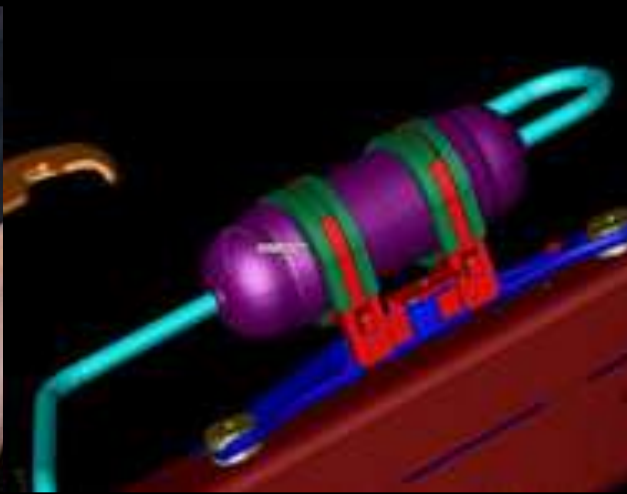


[Click for More Details](#)

Engineering and
Computer Aided
Design Services

Product
Design
Optimization

Die
Design
Expertise





Tool & Die Build



[Click for More Details](#)

Capabilities
Overview
Die Types

Technology
Resources: CNC
and Wire EDM

Tool Build
and Try-Out





Prototypes



[Click for More Details](#)

Rapid Metal
Prototypes

Laser Cutting

Stampings





Production

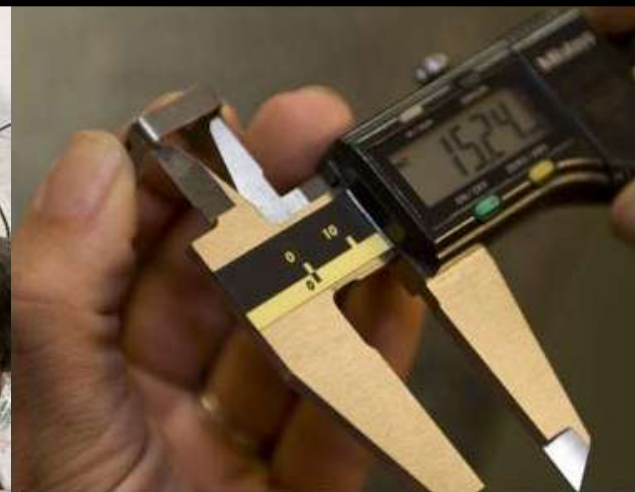


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Machine
Capabilities
Overview

Hand Finishing
and Assembly
Operations

Quality Control
Tools and
Methods





Management



[Click for More Details](#)

Performance
Improvement
Process

Employee
Development
Quality Training

International
Quality
Certifications





Product Expertise



[Click for More Details](#)

Paint Line Tools
Cricket Clips
Wrap Clamps

Brackets
Fasteners
Drawn Parts

Weldments
Assemblies
Large stamping





[Return to Overview](#)

Major Equipment List

MANUFACTURING EQUIPMENT

- 3-#1 Nilson Fourslide Machines
- 4-#2 Nilson Fourslide Machines
- 7-#3 Nilson Fourslide Machines
- 2-#4 Nilson Fourslide Machines
- 620 Multi-slide
- 1000 Ton Version – 96" bed
- 1000 Ton Danly
- 1000 Ton St. Lawrence – 110" Bed
- 1000 Ton French Oil – 84" Bed
- 600 Ton Eagle Press 144" bed
- 600 Ton Clearing
- 450 Ton French Oil
- 400 Ton Clearing
- 300 Ton Komatsu Press 122" bed
- 300 Ton Komatsu Press 84.6" bed
- 200 Ton Bliss Press 60" bed

MANUFACTURING EQUIPMENT (Cont.)

- 160 Ton H.S. Minster Press 63" bed
- 110 Ton Komatsu Press 65" bed
- 2 - 150 Ton Komatsu Presses
- 75 Ton Bliss Press 48" bed
- 60 Ton Bliss Press 36.5 bed

CNC Equipment

- 2 - Haas Super VF3 40" x 20"
- 1 - Hass VM2 30" x 15"
- 1 - Hartford 3 Axis 120" x 80" x 48"
- 1 - Kao Ming 3 Axis 78" x 48" x 36"
- 4 - Fadal 3 Axis 60" x 30" x 30"
- 1 - Hartford 4 Axis 80" x 60" x 48"

TOOL ROOM

- 7 - Bridgeport Mills
- 10 - Surface Grinders
- 4 - Automatic Surface Grinders
- 4 - Misc... Drill Presses
- 2 - Lathes
- 5 - Roll-In Band Saws
- 4 - Horizontal Band Saw
- 2 – Jig Grinder
- 4 – Radial Drill
- 15 - Bridgeport Mills
- 9 – Misc. Drill Presses
- 23 - Surface Grinders
- 13 - Presses from 10 to 100 Ton
- 85 - 5 Ton or less Presses
- Additional misc not listed



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Major Equipment List

Cad Software

- NX 7.5
- Solid Works 2012
- CATIA v5
- Mechanical Desktop
- Master Cam
- KeyCreator
- Work NC
- Rhino 4.0
- Dynaform Simulation software

LASER & EDM DEPARTMENTS

- 3 - 5 Axis Lasers
- 4 - 3 Axis Lasers
- 5 - Fanuc EDM's

QUALITY DEPARTMENT

- 1 - Brown and Sharpe CMM
- 8 - Optical Comparators
- 2 Rockwell Hardness Testers
- Various measurement tools
- Various Surface Plates
- Various Test Equipment

SECONDARY OPERATIONS

- 6 - Semi Automatic Riveters
- 1 - Orbital Riveter
- 1 - Automated Riveter
- Mig & Tig and DC adaptive
- Robotic Assembly
- Hand Assembly





How can PTM help make YOU more successful ?

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Contact Information

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