

OSANTS

2026 CATALOG

CUSTOM METAL COMPONENT SOLUTIONS

PRECISION ENGINEERED FOR EVERY INDUSTRY

*FROM RAW MATERIAL TO
PRECISION PERFORMANCE.*

- ✓ FABRICATIONS
- ✓ JOININGS
- ✓ CASTINGS
- ✓ MACHININGS
- ✓ CUTTINGS
- ✓ EXTRUSIONS
- ✓ TREATMENTS
- ✓ CUSTOM COMPONENTS



www.OSANTS.com



(418) 845-8388



projects@osants.com



Download Catalog



AEROSPACE

Precision machined and structural components.



AUTOMOTIVE

Production and aftermarket components.



ENERGY & POWER

Power generation and infrastructure components.



OIL & GAS

Valves, fittings, and heavy-duty equipment parts.



INDUSTRIAL AUTOMATION

Frames, extrusions, and machine components.



CONSTRUCTION

Structural and fabricated assemblies.



MEDICAL

Precision machined instruments and devices.



DEFENSE

Mission-critical engineered components.



PRECISION
ENGINEERING



TIGHT TOLERANCES



ADVANCED
MANUFACTURING



QUALITY
ASSURANCE



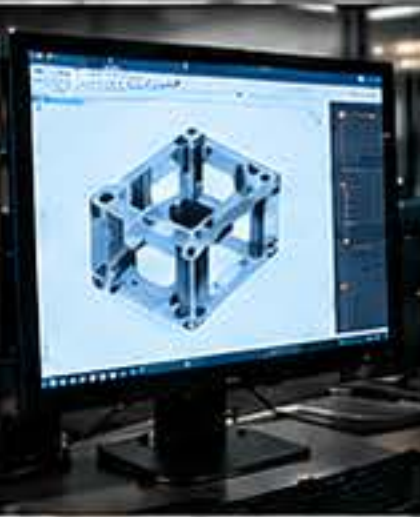
GLOBAL
SUPPLY



CUSTOMER
FOCUSED

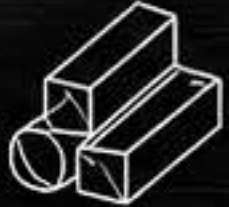
OSANTS HOW METAL COMPONENTS ARE MADE

1 DESIGN & ENGINEERING



Conceptualize and engineer to meet exact specifications.

2 MATERIAL SELECTION



Choose the right materials for strength, durability and performance.

3 FABRICATION



Build the foundation with cutting, forming and assembly.

4 JOINING/ WELDING



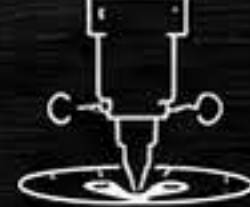
Join components using advanced welding techniques for maximum integrity.

5 CASTING/ FORMING



Shape complex geometries with casting or forming processes.

6 MACHINING



Achieve precise tolerances with CNC machining and advanced equipment.

7 CUTTING



Cut with accuracy using processes like laser, plasma or saw cutting.

8 SURFACE TREATMENT



Enhance durability and appearance with coatings, plating or heat treatment.

9 INSPECTION & QUALITY CONTROL



Rigorous testing and inspection ensure every component meets standards.

10 PACKAGING & DELIVERY



Secure packaging and on-time delivery to keep your operations moving.

THE OSANTS ADVANTAGE



PRECISION MANUFACTURING

Advanced technology and skilled craftsmanship deliver components with tight tolerances and superior finishes.



REPEATABILITY

Consistent processes ensure the same high-quality results every time, for every order.



SCALABILITY

From prototypes to large production runs, we scale with your needs efficiently and cost-effectively.



QUALITY CONTROL

Rigorous inspection and testing at every stage ensures reliability, safety and long-lasting performance.



OSANTS

METAL SOLUTIONS

FABRICATIONS

STRUCTURAL & WELDED ASSEMBLIES

Custom fabricated structures designed for strength, durability, and assembly integration.

PRODUCTS

-  Machine Bases
-  Equipment Frames
-  Structural Assemblies
-  Support Structures
-  Welded Frames

MANUFACTURING METHODS

-  Welding
-  Forming
-  Assembly
-  Grinding

INDUSTRIES SERVED

-  Industrial Equipment
-  Automation
-  Material Handling
-  Energy



**PRECISELY FABRICATED.
BUILT TO PERFORM.**



**CONSISTENT QUALITY.
TIGHT TOLERANCES.**



**CUSTOM SOLUTIONS.
FAST LEAD TIMES.**



**ENGINEERED FOR STRENGTH.
DESIGNED TO LAST.**

OSANTS

METAL SOLUTIONS

JOININGS

PRECISION JOINING SOLUTIONS

Advanced joining processes ensuring structural integrity and long-term performance.

PROCESSES

-  MIG Welding
-  TIG Welding
-  Laser Welding
-  Brazing
-  Mechanical Fastening

ADVANTAGES

-  High Strength
-  Precision Alignment
-  Reduced Distortion

APPLICATIONS

-  Aerospace
-  Automotive
-  Heavy Equipment



**PRECISELY JOINED.
BUILT TO PERFORM.**



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OSANTS

METAL SOLUTIONS

STAMPINGS

PRECISION METAL STAMPING FOR HIGH-VOLUME
PRODUCTION WITH UNMATCHED RELIABILITY.

PRODUCTS

-  BRACKETS & MOUNTS
-  ENCLOSURES
-  PANELS & COVERS
-  CONNECTORS

BENEFITS

-  HIGH VOLUME
-  COST EFFECTIVE
-  CONSISTENT QUALITY
-  FAST Turnaround

APPLICATIONS

-  AUTOMOTIVE
-  APPLIANCES
-  HVAC
-  INDUSTRIAL EQUIPMENT



PRECISELY STAMPED.
BUILT TO PERFORM.



CONSISTENT QUALITY.
TIGHT TOLERANCES.



CUSTOM SOLUTIONS.
FAST LEAD TIMES.



ENGINEERED FOR STRENGTH.
DESIGNED TO LAST.

SANTS

METAL SOLUTIONS

CASTINGS

Complex Metal Cast Components

Near-net-shape components produced for complex geometries and cost-efficient manufacturing.

CASTING TYPES

-  Sand Casting
-  Investment Casting
-  Die Casting
-  Permanent Mold Casting

BENEFITS

-  Complex Shapes
-  Reduced Machining
-  High Production Efficiency

INDUSTRIES

-  Pump & Valve
-  Energy
-  Transportation



**PRECISELY CAST.
BUILT TO PERFORM.**



**CONSISTENT QUALITY.
TIGHT TOLERANCES.**



**CUSTOM SOLUTIONS.
FAST LEAD TIMES.**



**ENGINEERED FOR STRENGTH.
DESIGNED TO LAST.**

OSANTS

METAL SOLUTIONS

FORGINGS

Strength Formed by Precision

Forged metal components deliver exceptional strength, durability, and reliability. Our forging solutions produce high-performance parts for the most demanding industrial applications.

FORGING TYPES

-  Open Die Forging
-  Closed Die Forging
-  Ring Forging
-  Rolled Ring Forging

ADVANTAGES

-  Superior Strength
-  Grain Flow Integrity
-  Impact Resistance
-  High Fatigue Resistance

INDUSTRIES

-  Automotive
-  Aerospace
-  Energy & Power
-  Heavy Equipment
-  Oil & Gas



PRECISION FORGED.
BUILT TO PERFORM.



CONSISTENT QUALITY.
TIGHT TOLERANCES.



CUSTOM SOLUTIONS.
FAST LEAD TIMES.



ENGINEERED FOR STRENGTH.
DESIGNED TO LAST.

OSANTS

METAL SOLUTIONS

MACHININGS

PRECISION CNC MACHINED COMPONENTS

High-precision CNC machining for critical tolerances and superior finishes.

CAPABILITIES

-  CNC Milling
-  CNC Turning
-  Multi-Axis Machining
-  Drilling
-  Threading

TOLERANCES

-  Tight Precision Specifications
-  Prototype Through Production

APPLICATIONS

-  Aerospace
-  Medical
-  Industrial Automation



**PRECISELY MACHINED.
BUILT TO PERFORM.**



**CONSISTENT QUALITY.
TIGHT TOLERANCES.**



**CUSTOM SOLUTIONS.
FAST LEAD TIMES.**



**ENGINEERED FOR STRENGTH.
DESIGNED TO LAST.**

OSANTS

METAL SOLUTIONS

CUTTINGS

ADVANCED METAL CUTTING SERVICES

Precision cutting technologies for rapid and accurate component production.

TECHNOLOGIES



Laser Cutting



Waterjet Cutting



Plasma Cutting



Saw Cutting

BENEFITS



High Accuracy



Fast Production



Minimal Waste

INDUSTRIES



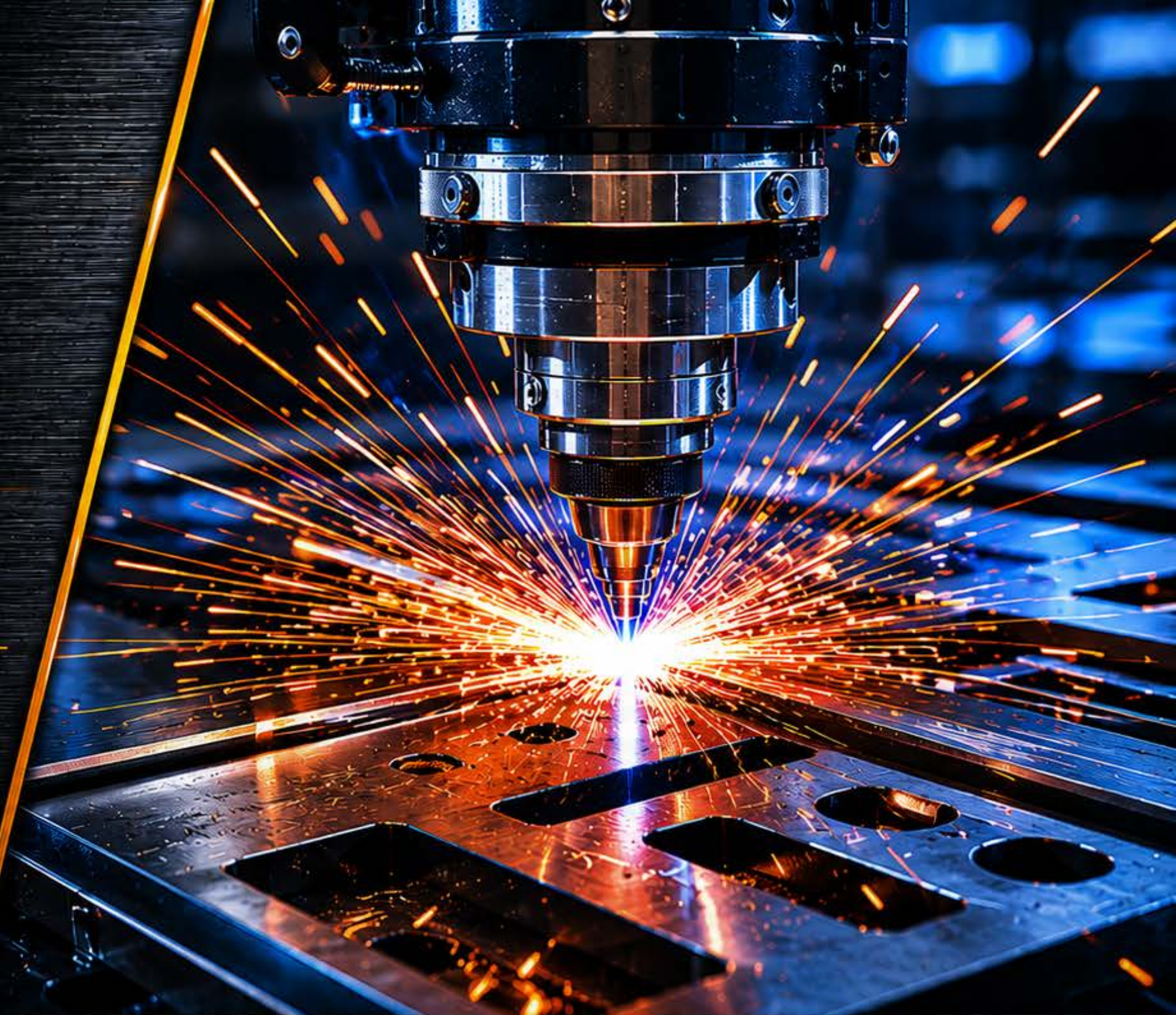
Construction



Manufacturing



Energy



PRECISE CUTS.
BUILT TO PERFORM.



CONSISTENT QUALITY.
TIGHT TOLERANCES.



CUSTOM SOLUTIONS.
FAST LEAD TIMES.



ENGINEERED FOR STRENGTH.
DESIGNED TO LAST.



METAL SOLUTIONS

Aluminum & Specialty Extrusions

Custom and standard extrusion profiles for structural and engineered applications.

PRODUCTS

-  T-Slot Profiles
-  Structural Extrusions
-  Heat Sink Profiles
-  Custom Shapes

BENEFITS

-  Lightweight
-  Corrosion Resistant
-  Design Flexibility

APPLICATIONS

-  Automation
-  Electronics
-  Architectural Systems



PRECISELY EXTRUDED.
BUILT TO PERFORM.



CONSISTENT QUALITY.
TIGHT TOLERANCES.



CUSTOM SOLUTIONS.
FAST LEAD TIMES.



ENGINEERED FOR STRENGTH.
DESIGNED TO LAST.



METAL SOLUTIONS

OTHERS / CUSTOM COMPONENTS

Specialized Metal Solutions

Custom-engineered components
manufactured to customer specifications.

EXAMPLES

-  Valve Bodies
-  Hydraulic Components
-  Specialty Fittings
-  Custom Assemblies
-  Prototype Parts

ENGINEERING SUPPORT

-  Reverse Engineering
-  DFM Analysis
-  Rapid Prototyping
-  Production Scaling



PRECISELY ENGINEERED.
BUILT TO PERFORM.



CONSISTENT QUALITY.
TIGHT TOLERANCES.



CUSTOM SOLUTIONS.
FAST LEAD TIMES.



ENGINEERED FOR STRENGTH.
DESIGNED TO LAST.

OSANTS

METAL SOLUTIONS

SURFACE FINISHING & PROTECTION

Surface enhancement solutions to improve appearance, durability, and performance.

TREATMENTS



POWDER
COATING



ANODIZING



PLATING



PASSIVATION



HEAT
TREATMENT



PAINTING

BENEFITS



CORROSION
PROTECTION



WEAR
RESISTANCE



IMPROVED
APPEARANCE



ENHANCED PERFORMANCE.
BUILT TO LAST.



SUPERIOR PROTECTION.
MAXIMUM RELIABILITY.



CONSISTENT QUALITY.
EXCEPTIONAL FINISHES.



BUILT FOR YOUR STANDARDS.
DELIVERED ON TIME.



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CONTACT US



WEBSITE

www.osants.com



EMAIL

projects@osants.com



PHONE

(418) 845-8388



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ENGINEERING
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FROM CONCEPT TO COMPLETION.

