



OUR DIFFERENCE IS IN THE DETAILS

NEAR-NET PART · LESS THAN 3% WASTE · VIRTUALLY NO MACHINING · ENGINEERED MATERIALS
BREAKTHROUGH DESIGNS · END-TO-END SOLUTIONS · CLOSE TOLERANCE CAPABILITY

OUR VALUES AND OUR COMMITMENTS

ASCO Sintering is experienced – we've been manufacturing powdered metal products for over fifty years.

ASCO Sintering is customer centric – many of our customer relationships have extended for decades.

ASCO Sintering is a true vendor partner – we do everything in our power to save our customers time and money while helping them to create best in class products for their customers.

ASCO Sintering is future focused – we continue to invest in the most advanced technology available to meet the ever-higher standards of our customers and their customers.

ASCO Sintering is a standard setter – we design and engineer products that are complex, high functioning and provide exceptional performance characteristics. We are dedicated to meeting the highest international quality standards.

OUR MISSION

Deliver highly engineered, complex, high quality, powdered metal products to support the design and manufacturability of a wide variety of end products

Advance the technology and applications for powdered metal parts

Provide a growth oriented, safe, secure working environment for our employee-owners

Be a model corporate citizen in our community



Our strongest value-add to our customers is our engineering capability supported by the skill and commitment of our employee-owners.

ENGINEERING

Our history of steady uninterrupted growth, combined with an industry record number of Metal Powder Industries Federation awards, is testimony to our dedication to design and engineering excellence. The MPIF International P/M Design Competition Award is based on complexity of design, material, unique tooling, and cost savings over other processes.

When you present us with initial part specifications, we work in tandem with you to design for manufacturing ease, total functionality and the optimal cost/performance/quality result.

Over the years, we've developed a number of innovative technologies that increase performance and reduce system cost, such as our AGMA class-8 heat-treated gears and proprietary high strength, wear and impact resistant materials.

TOOLING AND COMPACTION

End-to-end in-house manufacture is key to meeting your quality specifications, providing flexible design solutions and responding to your delivery needs. Wire Electrical Discharge Machine capability as part of our own tool fabrication and maintenance capability ensures expedited deliveries.

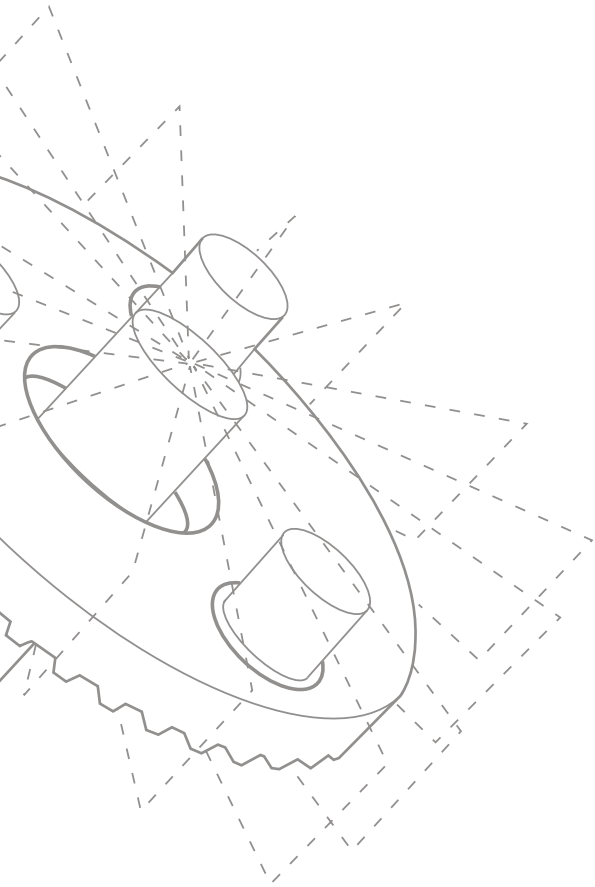
Our compaction presses utilize the latest in electronic press control. ASCO's hybrid design enhancements make the complex common. Servo-mechanical feed systems increase consistency.

SINTERING AND SECONDARY PROCESSES

Two things determine quality in P/M sintering—experience and control over the entire process. We are able to achieve a high level of control over sintering, sinter hardening, heat treating, resin impregnation, deburring and other finishing processes that results in parts consistently delivered to your specifications.

QUALITY CONTROL

There is a science and an art to P/M quality—we have both. Our employee-owners are deeply committed to continuous improvement—it's a Six Sigma culture underpinned by an exceptionally stable workforce. Our ISO Quality Management System provides customers with consistent satisfaction of demanding quality requirements. Networked Statistical Process Control (SPC) supported by automated visual inspection systems is integral to our continuing drive for optimal P/M on the line quality control. We are ever mindful of the fact that the quality of your product and your customer's end products depends on the quality and functionality of our P/M parts.





There are powerful advantages to working with the employee-owners of ASCO. We simply cannot tolerate poor quality.

200
INTOLERANT PEOPLE
OWN THIS COMPANY

EXPERIENCE. We have virtually no turnover amongst our engineering, manufacturing and management staff. Many of us literally grew up with and helped shape the growth of powdered metal products. We helped develop many of the award-winning parts that brought P/M to the attention of designers and engineers throughout the manufacturing world.

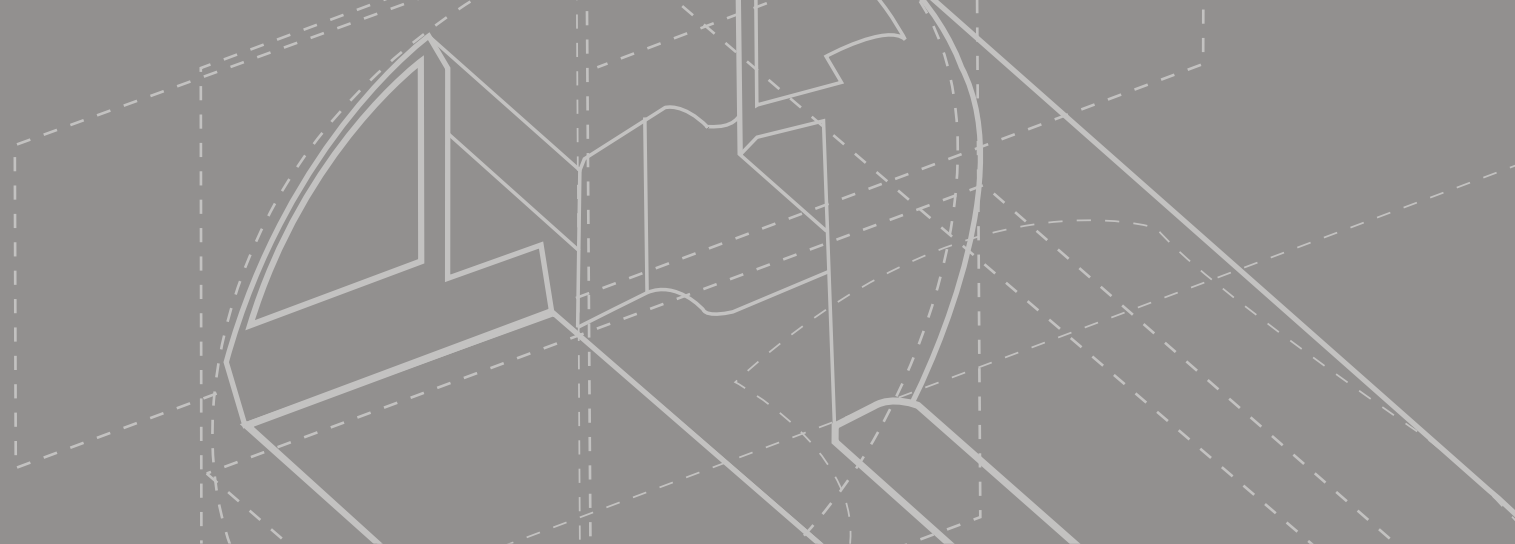


COMMITMENT TO QUALITY. What they say about having your name on the door is true. All of us feel a keen responsibility to engineer, manufacture, inspect and ship P/M products that meet the extremely high expectations of today's manufacturers and their customers. They're our products, our customers, our livelihood.

TRAINING AND DEVELOPMENT. We have grown our business steadily for decades. Yet, we are acutely aware that change is the constant driver in our customers' businesses and, therefore, in ours. We read, we participate in seminars and industry functions, we bring new ideas and new techniques into our factory, we learn from our vendors. Mostly, we learn from our customers. Your changing world is our changing world.

PRIDE. We hope you see it in our faces, but mainly we want you to see it in the products we produce for you. Whether your product is a truck, a car, an ATV, a lawn and garden product, a security product or any one of the hundreds of other product types that use or could use P/M parts, we want to help make this product better through the use of ASCO engineered solutions.

ART OF THE PART



LAWN & GARDEN

- Irrigation system
- 1998 Nonferrous Grand Prize
- Two-piece sinter-bonded design accomplished by altering the material characteristics slightly
- Brass material
- Complex configuration of spur gear, radial flange teeth, and hex socket provide online, incremental spray adjustment
- Alternative production methods would be cost prohibitive



TRANSPORTATION

- Four-wheel drive shifting system
- 2000 Ferrous Award of Distinction
- One-piece planetary output carrier
- Proprietary high-impact copper steel material
- Design of inside diameter spline with outside diameter key allows proper alignment of planetary posts



HARDWARE

- Latchbolt for heavy-duty cylindrical lockset
- 1994 Nonferrous Award of Distinction
- \$40,000 annual savings over previous design
- Exceeds ANSI standards for "Grade 1 Lockset"
- Innovative tool design, materials, and manufacturing technique overcame development issues
- Assembly concurrently engineered with bolt, creating additional cost savings and improved function



TOOLS & MORE

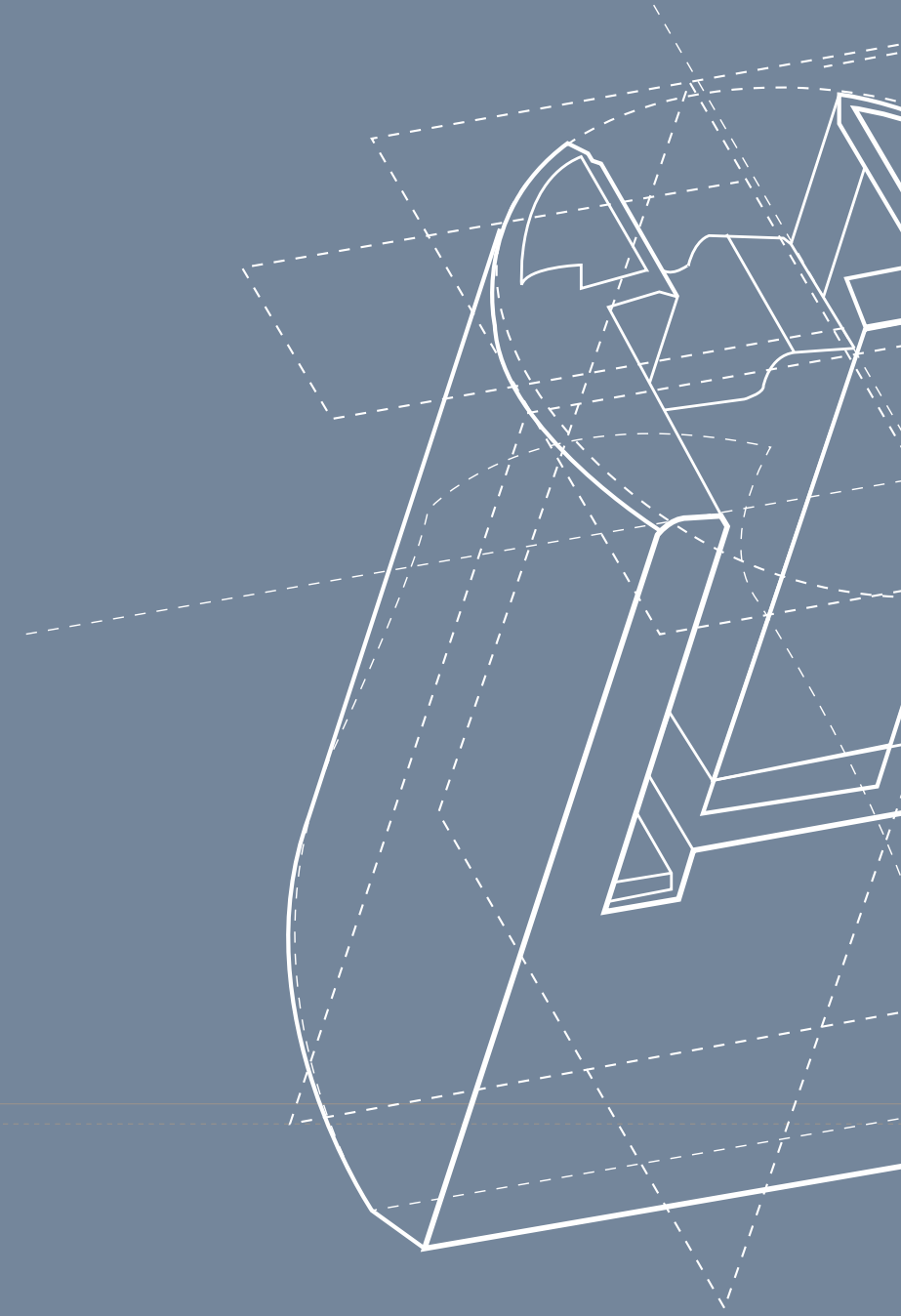
- Hand tool components
- Design allows for one jaw side to be pressed and assembled
- Tolerances allow for tight snap fit function of legs to jaw
- No secondary operations to individual parts required, other than plating and assembly
- Proprietary material provides sufficient strength for tool to be used as a wire cutter





2750 Garfield Avenue · Commerce, California 90040

T 323.725.3550 · F 323.888.9968 · www.ascosintering.com



LET US BECOME AN INTEGRAL PART OF YOUR NEXT PROJECT.