Forging better solutions.

Net Shaped Solutions provides innovative cold-forged product solutions for a wide variety of high-impact applications. Our no-nonsense approach creates products that are stronger, more durable, and better engineered.

Ask us if Net Shaped Solutions’ superior cold forging process can help you become leaner, smarter, and more efficient.
INDUSTRIES

The cold forging process is characterized by high-speed production, reduced waste, and stronger materials, cold forging is used in a number of industries. NSS works to develop parts that are tailor made for each industry and project, ensuring that exact specifications are met.

COLD FORGING PROCESS

NSS has over 40 years of experience in net shaped cold forged products with extensive in-house engineering design and production capabilities, including:

- 30 cold formers and thread rollers with the capacity for 3/8" (9.5mm) to 1 1/2" (38.1mm) wire diameter and an ability to use prepared slugs up to 2.2" (56mm) in diameter
- Solution development and engineering design
- Tailored tool manufacturing
- Extensive material knowledge and experience

1. During the development cycle unheated wire or slugs are forced into a die using extreme pressure from cold formers.
2. The cold formers are typically horizontal and are set up to have multiple forming stations.
3. Each station contains a punch and die that form a characteristic of the finished part.

This process allows for NSS and our clients to benefit from the advantages found in cold forging.

- Less Scrap / Material Savings
- Elimination / Reduction of Additional Machining Operations
- Improved Strength, Mechanical Properties, Grain Flow
- Improved Surface Finish Versus Machined Products
- High-Speed Production (35 to >300 parts per minute)
NSS’s experience and expertise allow us to create better solutions for challenges in producing complex parts.

**Cold forging provides companies with cost savings and improved efficiency through increased production capabilities, greater part strength, and less material waste.**

**The Strength of NSS**

At NSS, our team is relentless in its dedication and drive to continuously exceed customer expectations. Our deep experience and successful track record are the result of a combination of effective factors that have let us create better, stronger solutions.

- Maximum Value from Net Shaped Process
- Strong Financial Parent PCC Corporation
- Engineering Technology Leader
- Material Knowledge
- Broad Machine Tonnage Capability
- Strong, Stable Supply Chain
- Industry-Leading On-Time Delivery
- Excellent Gated In-House Program Management