

Norck Expands Sheet Metal Fabrication Capabilities for Precision Prototyping and Scalable Production

Expanded sheet metal fabrication services combine advanced cutting, forming, and engineering support for prototypes and scalable production.

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/EINPresswire.com/ -- Norck strengthens its sheet metal cutting, bending, punching, stamping, deep drawing, and tube processing services with integrated engineering support and on-demand manufacturing. Norck, a precision manufacturing and engineering company serving customers through a global

manufacturing network, has expanded its sheet metal fabrication capabilities to support rapid prototyping, custom component manufacturing, and scalable production.

The expanded services help engineering and procurement teams source precision sheet metal

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Norck combines design support, fast quoting, precision manufacturing, and scalable capacity to move components from prototype to repeat production.”

Mucahit Basaran, CEO

components through a coordinated manufacturing workflow. Norck supports projects from initial design review and material selection through cutting, forming, finishing, inspection, assembly, and repeat production. Customers can use Norck for individual prototypes, low-volume orders, bridge production, and high-volume manufacturing. The company’s on-demand production model also provides flexibility for projects with changing designs, quantities, delivery schedules, or technical requirements.



Custom sheet metal fabrication delivering durable, precision-formed structural components.

Norck provides sheet metal fabrication for custom brackets, enclosures, housings, panels, frames, covers, structural components, and multi-part assemblies. Its manufacturing capabilities include:

- Laser cutting
- Plasma cutting
- Waterjet cutting
- Shearing
- Blanking and punching
- Sheet metal bending
- Edge bending
- Metal stamping
- Deep drawing
- Tube bending
- Laser tube cutting
- Welding and assembly
- Surface finishing
- Dimensional inspection

These capabilities allow Norck to fabricate sheet metal components with different geometries, materials, thicknesses, tolerances, and production quantities.

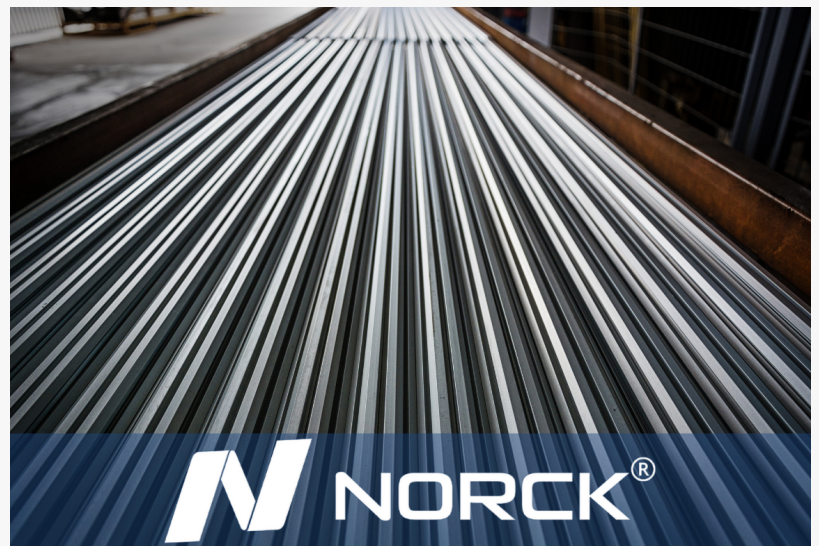
Rather than working as a basic sheet metal manufacturer, Norck provides engineering and Design for Manufacturability support to help customers establish an appropriate production method for each component.

Design Assistance and DFM for Sheet Metal Parts

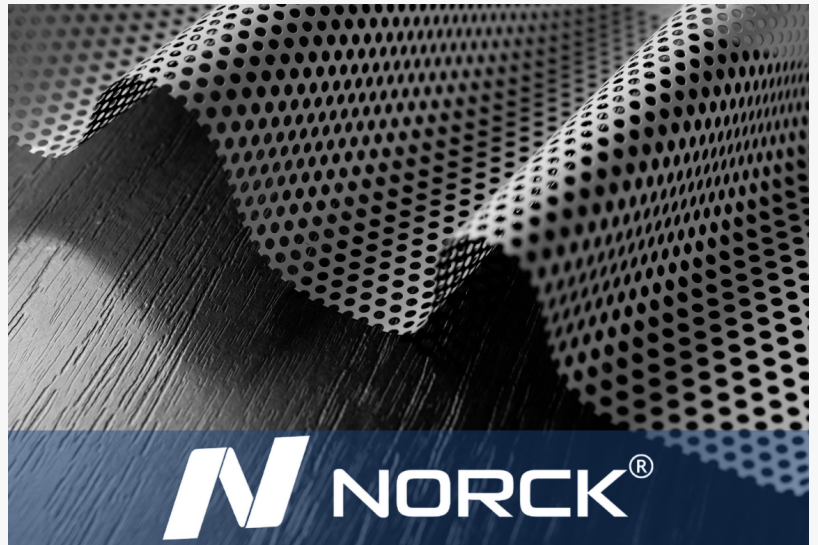
Sheet metal performance depends on more than the external dimensions shown in a CAD model. Material thickness, bend radius, bend direction, hole placement, grain orientation, flange length, tooling access, springback, and finishing requirements can influence manufacturability and dimensional accuracy.

Norck's engineering team reviews designs before production and can provide recommendations related to:

- Minimum bend radii
- Bend allowances and deductions
- Hole-to-edge and hole-to-bend distances



Sheet Metal Cutting



Custom sheet metal fabrication delivering durable, precision-formed structural components.

- Flange dimensions
- Material thickness
- Fastener and hardware placement
- Flat-pattern development
- Surface finishing
- Welding and assembly access
- Production tooling requirements

This DFM process can identify manufacturing challenges before material is cut or tooling is produced. It also helps customers simplify component geometry, reduce unnecessary operations, and control production costs without compromising the intended function. Norck's fast quotation process allows customers to submit drawings, CAD files, quantities, material requirements, and finishing specifications for technical evaluation.

Precision Sheet Metal Cutting

Norck's [Sheet Metal Cutting Services](#) include laser cutting, plasma cutting, waterjet cutting, and shearing. The appropriate method is selected according to the material, thickness, edge requirements, production quantity, dimensional tolerance, and intended application.

[Laser Cutting Services](#) support detailed profiles, repeatable features, holes, slots, and complex outlines. Norck provides Precision Sheet Metal Cutting for applications requiring controlled dimensions and consistent part geometry.

Its capabilities also support aerospace laser cutting services for sheet metal components used in structural, equipment, testing, and support applications. Each project is evaluated according to the specified material, tolerance, documentation, and inspection requirements.

For customers seeking Online Sheet Metal Cutting, Norck provides a digital project submission and quotation process. Engineering teams can submit component files and production requirements for review before manufacturing begins.

Plasma and waterjet cutting provide additional options for thicker materials, larger components, and applications with process-specific edge or heat requirements.



Norck — Where engineering intelligence meets production.



custom cnc machining services

Custom Sheet Metal Bending and Forming

Norck provides sheet metal bending services for components requiring controlled angles, flanges, channels, enclosures, brackets, and complex formed geometries. Its custom sheet metal bending capabilities support both simple parts and components with multiple coordinated bends.

For customers requesting online sheet metal bending, Norck evaluates the part geometry, bend sequence, material behavior, tooling access, and dimensional requirements before developing the manufacturing plan.

The company also provides edge bending, metal stamping, deep drawing, and other forming processes. Precision metal stamping services can support components requiring repeatable shapes and features across ongoing production quantities. Low-volume metal stamping may be used for suitable projects that require stamped geometry without immediately moving into a larger production program.

Norck's deep drawing metal fabrication service supports formed components such as cups, shells, housings, covers, and other seamless shapes. The drawing ratio, material flow, tooling configuration, and component depth are reviewed during the engineering process.

Punching, Shearing, and Custom Sheet Metal Components

Norck provides metal punching services for holes, slots, ventilation patterns, cutouts, and application-specific features. A custom sheet metal punch solution may be developed when component geometry or production quantities require dedicated tooling.

The company also offers custom sheet metal shearing services for producing blanks, panels, strips, and straight-edged components. Shearing can provide an efficient manufacturing method for suitable materials and geometries, particularly when complex profiles are not required.

These processes can be combined to manufacture a single [custom sheet metal part](#) or multiple components for a larger assembly. Norck coordinates cutting, forming, joining, finishing, and inspection to reduce the need for customers to manage several separate suppliers.

Tube Bending and Laser Tube Cutting

Norck's CNC tube bending services support tubular parts used in frames, fluid systems, structural assemblies, automotive applications, industrial equipment, and robotic systems. The company provides tube bending services for application-specific diameters, wall thicknesses, bend angles, radii, and materials. Engineering review helps address concerns such as tube collapse, wall thinning, ovality, springback, and interference between bends.

Laser tube cutting can be used to produce accurate holes, slots, end profiles, and connection features before final assembly. Combining laser tube cutting with CNC-controlled bending supports repeatable tubular components and reduces additional machining requirements.

Applications Across Advanced Industries

Norck's sheet metal fabrication services support aerospace, medical devices, robotics, industrial automation, defense, automotive, electronics, semiconductor technology, energy, packaging, research and development, and consumer products.

- Typical applications include:

- Aerospace-grade metal fabrication
- Medical equipment housings and structural components
- Robotic frames, brackets, and protective covers
- Industrial automation panels and machine guards
- Defense hardware and equipment components
- Automotive brackets and bent tube assemblies
- Electronics enclosures and mounting hardware
- Semiconductor equipment panels and frames
- Energy-system cabinets and structural components
- Packaging machinery components

Sheet metal prototyping services allow customers to evaluate fit, assembly, strength, access, and overall functionality before approving a design for repeat production.

"Our sheet metal expansion is designed to provide customers with a more complete manufacturing workflow," said Mucahit Basaran, CEO of Norck. "Norck combines design assistance, manufacturing expertise, responsive quotation, precision production, and scalable capacity. This helps customers move from prototype components to repeat production while maintaining technical and quality requirements."

Supporting the Future of On-Demand Fabrication

Norck plans to continue developing its sheet metal manufacturing network, digital quotation capabilities, production technologies, and engineering resources.

The company's end-to-end manufacturing approach enables customers to combine sheet metal custom fabrication with CNC machining, additive manufacturing, injection molding, finishing, and assembly. This integrated model supports faster product development, fewer supplier handoffs, and a more efficient transition from prototyping to production.

About Norck

Norck provides precision manufacturing and engineering services to customers in the United States, Europe, and international markets. Its capabilities include sheet metal fabrication, CNC machining, 3D printing, injection molding, custom component manufacturing, rapid prototyping, and assembly.

Norck combines engineering support, Design for Manufacturability assistance, on-demand production, ISO quality standards, precision manufacturing, and a global manufacturing network to support low-volume and high-volume production.

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Norck

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