



CAPABILITIES & PARTS CATALOGUE

CUSTOM METAL STAMPING AND FABRICATION – PARAMOUNT, CA.

SERVING THE MANUFACTURING INDUSTRIES SINCE 1991.

01 / WHAT WE MAKE

New Century Industries is a custom metal stamping and fabrication shop. Our heritage is wheel components — centers, outer rims, and welded assemblies — alongside a growing portfolio of precision stamped parts for industrial customers. We work with you from print review through tooling, production, inspection, and shipping.

02 / PRODUCT CATEGORIES

WHEEL CENTERS (STEEL DISCS)

Rallye, Magnum, Smoothie, Daytona, Supreme, Gennie, Artillery, Soft 8, beadlock rings, ag disc centers, and trailer/RV patterns. 13"–15"+ diameters. 4-, 5-, 6-, 8-lug bolt patterns including custom.

WHEEL OUTERS (RIMS)

Stamped and rolled rim shells in widths from 5" through 12", 15"-diameter outers with inside diameters from 12.62" to 13.30" for large-OD applications.

BRAKE & AIRCRAFT COMPONENTS

Aircraft brake back plates and related assemblies, fully welded and assembled with support and reinforcement plates per print.

SPECIALTY STAMPED PARTS

Laser-cut stator blanks, pizza pan blanks (16"×16" range), and custom stamped components produced to your print.

03 / WELDED ASSEMBLIES

In-house MIG welding lets us deliver finished, ready-to-install assemblies — not just loose stampings. Common applications include back plate assemblies with support and reinforcement plates.

WHAT WE DO

01 / METAL STAMPING

39 active presses ranging from 30 to 1,200 tons in single-crank, double-crank, knuckle, hydraulic, and OBI configurations. We run blanking, piercing, forming, drawing, coining, and progressive die operations.

TONAGE RANGE	USE CASE
30 – 100 tons	Small parts, blanking, piercing, light forming.
100 – 300 tons	Mid-size stampings, forming, draws.
300 – 800 tons	Heavier draws, large blanks, deep forming.
800 – 1,200 tons	Heavy stamping and large progressive jobs.

02 / CNC MACHINING

12 active CNC machines — a balanced mix of mills and lathes — for secondary operations, post-stamping machining, and short-run precision parts. Typical work includes machined inside diameters on wheel centers, post-form finishing, and custom features that cannot be stamped.

03 / ADDITIONAL PROCESSES

LASER CUTTING

In-house laser for blanks, stators, and custom flat parts where laser makes a better edge or eliminates tooling costs.

MIG WELDING

Welding cells for assembled stampings, brake components, and structural sub-assemblies.

DEBURRING & FINISHING

Vibratory deburring and edge-prep finishing as part of standard routing on all applicable parts.

04 / TOOLING

We own and maintain hundreds of dies on site. Our die department handles routine maintenance, component replacement, tryouts on new tooling, and full die builds. We track every die's hit count and service history so tooling stays sharp and parts stay in spec.

05 / MATERIAL CAPABILITIES

MATERIAL	COMMON GRADES
Carbon Steel	1010 (low-carbon, formable), 1050 (medium carbon).
Alloy Steel	4140, 4130 chromoly for high-strength applications.
Galvanized Steel	G90 coated.
HSLA	High-strength low-alloy.
Aerospace-spec	AMS-specification stock for aircraft components.

— Thickness: 0.010" – 5/16" · Widths: up to 26" · Feed lengths: 2" – 32" · Conditions: HRPO, CRS, G90 galvanized, AMS aerospace.

HOW WE WORK

01 / INDUSTRIES WE SERVE

- Aftermarket Automotive — Classic, muscle, and hot rod wheel components.
- OE-Replacement Wheels — Period-correct stampings for restoration markets.
- Trailer & RV — Wheel centers and components for hauling applications.
- Agricultural Equipment — Heavy-duty disc centers and stampings.
- Aerospace — Aircraft brake components and AMS-spec stampings.
- Industrial OEM — Custom stamped parts to print.

02 / QUALITY

Every job runs through a structured quality process: first-article inspection, in-process checks, and a final inspection before parts move to shipping. We track dimensional measurements against your tolerances and maintain full lot traceability from material receipt through shipped carton.

03 / HOW TO ENGAGE

- 01 PRODUCTION TO PRINT**
Send us your drawing and quantity. We will review and quote.
- 02 TOOLING BUILDS**
We design and build dies for new programs and run them in our presses.
- 03 CATALOG WHEEL COMPONENTS**
Our standing portfolio of wheel centers and outers is available without new tooling investment.

04 / AT A GLANCE

METRIC	CAPABILITY
Active stamping presses	39 (30 – 1,200 tons).
Active CNC machines	12 (mills + lathes).
Material thickness range	0.010" – 5/16".
Material width range	1" – 26" coil.
In-house processes	Stamping, CNC, laser, welding, deburring, tooling, assembly.
Quality	First article, in-process, and final inspection with full traceability.

READY TO GET STARTED?

Send your print, target quantity, and material spec to our team.

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