



Automotive Tubing for Exhaust Systems

United Industries has over 25 years of experience producing both ferritic-grade and austenitic-grade stainless steel tubing for automotive industry applications. Production of a wide variety of stainless alloys is available, with both laser and TIG (Tungsten Inert Gas) welding capabilities.

United Industries specializes in the high-quality tubing required for severe fabrication applications, including tubular manifolds, crossover and downpipes, spun catalytic converters, muffler/resonator components, and tailpipes.

MANUFACTURING:

All tubing is produced in a true inline/work cell environment that minimizes work-in-process problems common among most batch-type manufacturing. Raw materials are purchased in wide coils and slit to width at our facility. The tube production begins with roll forming, then welding, weld bead conditioning, inline induction or hydrogen bright annealing (when specified), final sizing OD stencil (if required), cut to length, deburring, polishing (when specified), and packaging for shipment.

POLISHING:

Polished tubing has become increasingly popular for visible exhaust components. Inline polishing is available ranging from 180-grit satin type to a high-luster super buff finish. All tubing is paper-protected to ensure the ultimate surface condition during shipment and customer handling.

QUALITY/TESTING:

All United Industries' tubing is tested to ASTM and customer fabrication requirements by the operator of each work cell. Tubing is 100% eddy current tested, and destructive tests are performed at regular intervals. Incoming raw material is inspected and must conform to our rigid standards set for all our suppliers. Final dock audits are made to ensure consistent quality.

PRODUCT DELIVERY:

United Industries' JIT manufacturing capabilities allow us to accommodate shipment or pickup on a daily, weekly, or other customer-specified timetable. This reduces customer inventory, increases inventory turns, and reduces costs. A wide variety of transportation options are available; contact us for specific delivery arrangements.

ISO/TS19649:2002 Registered Quality Management System



The Standard of Excellence

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Why Choose United Industries?

FULL-SERVICE CAPABILITIES:

- United Industries offers a broad range of products in a variety of stainless steels.
- We are fully compliant to industry standards including 3A, BPE, ASME, and ASTM.

WE TAKE QUALITY ASSURANCE SERIOUSLY:

- “To the minute” production traceability.
- ISO/TS16949:2002 Registered Quality Management System (RQMS) standards are applied to all products manufactured by United Industries.
- ISO/TS16949:2002 RQMS standards are aimed at absolute customer satisfaction in addition to ongoing manufacturing process improvements and innovations.

CUSTOMER SERVICE IS PART OF UNITED INDUSTRIES’ CULTURE:

- Instant Defect Detection.
- Operators are also “Inspectors.”
- Inspectors are also “Auditors.”
- Customer Satisfaction is our ultimate quality standard.

Capabilities

COMPLETE APPLICATIONS ENGINEERING AND METALLURGY

TYPES:

- ASTM SA249 Boiler/Heat Exchanger
- ASTM A268 Ferritic
- ASTM A269 General Services
- ASTM A270 Sanitary/Pharmaceutical
- ASTM A554 Ornamental

GRADES:

- Stainless 301 302, 304, 304L, 316, 316L, 309, 309S, 310, 321, 12SR/408CB, 18SR, 18CB/441, 29-4C, 317, 317L
- Stainless 405, 409, 410, 430, 439
- Super Alloys

SIZES:

- 1/2" – 6"
- .019" – .145" wall

LENGTHS:

- 1" – 60'

SURFACE FINISH:

- Mechanical Polish 20 Ra/32 Ra
- Electro Polish 15 Ra/10 Ra
- Hydrogen Bright Annealing (H-BA)

PLANT FACILITIES:

- 200,000 Sq. Ft. (Beloit, WI and Selmer, TN)
- Slitting Line
- 9 laser mills
- 7 TIG mills
- Inline induction annealing and H-BA

PACKAGING:

- Square pack, scored cardboard, tri-wall box, paper/poly sleeve, interleave, interweave, cardboard tubes, hex pack, bulk skids, customer returnables
- Export packaging available

FINISHED INVENTORY:

- Sanitary and H-BA 1"-6", 304L and 316L

QUALITY ASSURANCE/TESTING:

- Quality Management System
- Inline Eddy Current
- Expansion
- Flatten
- Tension
- Rockwell
- Metallurgical
- Dimensional
- Bend
- Flare
- Reverse Bend
- Flange
- Surface Roughness
- Surface Passivity
- Others Upon Request

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