



UNITED STATES WELDING CORPORATION



3579 HIGHWAY 50 EAST #104 □ CARSON CITY, NEVADA 89701 - 2826
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MANUFACTURING CAPABILITIES

CUSTOM MELTING (Co,Fe,Ni Base Alloys)

Ingot Weights - Lbs(Kgs): 250(114), 500(227), 1000(455),
2000(909), 5000(2273), 10000(4545)

Melting Practice:

- Air Induction Melting
- Vacuum Induction Melting (VIM)
- Vacuum Arc Remelting (VAR)
- Electroslag Remelting (ESR)

SPECIFICATIONS

All Material produced is 100% certified and weldability tested to one or more of the following specifications:

- Aerospace Material Specifications (AMS)
- American Welding Society (AWS)
- American Society of Mechanical Engineers (ASME)
- Federal (QQ)
- Military (MIL)
- Company Specifications

CUSTOM WIRE FORMING (COLD ROLLING)

DIAMETERS -- INCHES (mm)

- .187"(4.75), .156"(3.96), .125"(3.2), .093"(2.4)
- .062"(1.6), .045"(1.2), .040"(1.0), .035"(.9)
- Special Orders for intermediate and smaller sizes

CUSTOM WIRE CLEANING

- Mechanical Cleaning
- H²O Assisted Grinding
- Respooling and Packaging Included
- CFM Processed to your requirements

FORMS

SPOOLS (Precision Layer Wound):

- 14" -- 60 Lbs. (27Kgs) Coil
- 12" -- 25 Lbs. (12Kgs)
- 8" -- 10 Lbs. (5Kgs)
- 4" -- 2 Lbs. (1Kg)
- Custom Spools
- TURBO-STRAIGHTENING™

Cut lengths -- Inches (mm): Flag Tagging

- 36" -- (900)
- 27" -- (675)
- 18" -- (450)
- 12" -- (300)
- One End
- Both Ends
- Custom Tagging
- Color Coding
- Color Tagging

CUSTOMER APPROVALS

- LCS for Pratt & Whitney
- GE Aviation
- GE Energy
- Rolls Royce plc
- Rolls Royce North America
- Lockheed Martin
- ALCOA Howmet
- Aerojet Rocketdyne
- Boeing
- Siemens Energy
- Major Airline MRO Facilities
- SNECMA
- GE Avio
- Raytheon
- Honeywell
- MTU
- Babcock & Wilcox
- PCC

PACKAGING (Spools & Cut Lengths)

- Polyethylene Plastic Envelopes
- Vapor Barrier Envelopes (Mil-B-131)
Argon purged and hermetically sealed with desiccants.
- Metal Containers (Spools)
Humidity Indicator (Optional)
- Resealable Tubes (Cut Lengths)
- Custom Packaging

METALLURGICAL TESTING

U.S. Welding has testing capabilities which include:

- XRF Analyzer
- Metallographic specimen preparation and evaluation
- Tensile and hardness testing
- Weldability testing