



R&D Process Services – A Leader in Contract Manufacturing Services

WHEN YOU'RE IN NEED OF SPECIALTY ALLOYS BELOW TYPICAL MINIMUM HEAT LOT QUANTITIES, COUNT ON CARPENTER'S R&D PROCESS SERVICES.

With more than 40 years of experience and an industry-wide reputation for manufacturing excellence, Carpenter's R&D Process Services has become a benchmark in specialty alloy production for the Energy, Aerospace, Defense, Medical, Automotive, Industrial and Consumer Products markets.

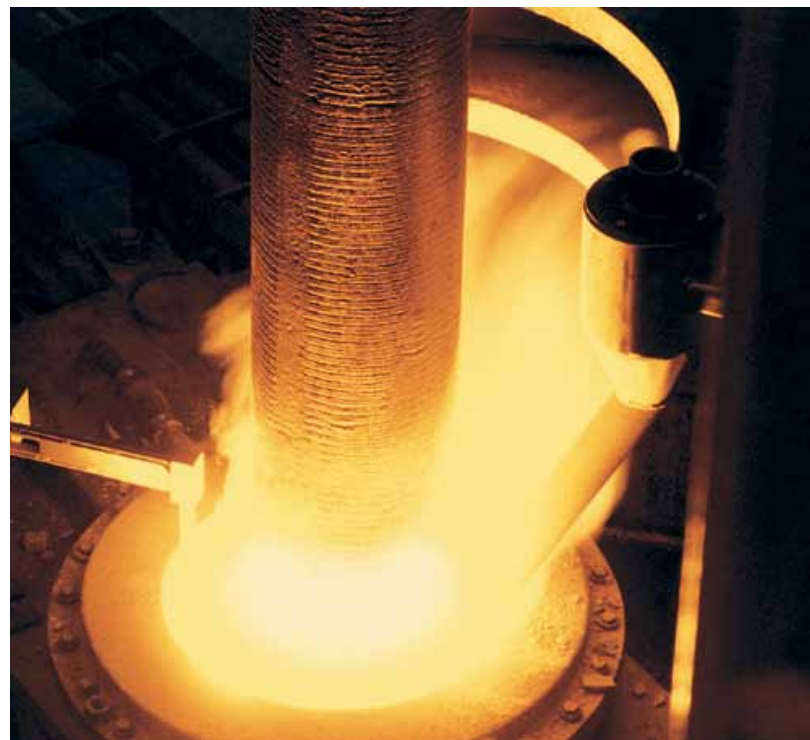
Throughout the years, we've consistently proven ourselves as a leader in contract manufacturing services through our melting, remelting, forging and heat treating services.

Today, our expanded contract manufacturing capabilities provide new and existing customers the ability to order custom-melted specialty alloys to their exact chemistry specifications and size requirements at heat lot quantities from 40 to 400 pounds in ingot, forged bar, forged plate, hot rolled plate and strip, cold rolled strip, and loose powder product forms.

Our staff of expert metallurgists, research and development scientists, engineers and service professionals work closely with you to meet your product goals.

**For more information,
contact R&D Process Services at 610-208-2177
or R&DProcessServices@cartech.com.**

**THE RESULT OF DECADES OF MATERIALS
EXPERTISE IS CARPENTER'S ABILITY TO
CONSISTENTLY HELP OUR CUSTOMERS
COMPETE IN A CHANGING WORLD.**



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Contract Manufacturing Services Capabilities

- Vacuum Induction Melting (VIM)
- Vacuum induction gas atomization
- Vacuum Arc Remelting (VAR)
- Electroslag Remelting (ESR)
- Hot open die forging
- Heat treating

Heat Sizes

- 40 to 400 lbs.

Available VIM Ingot Sizes

- 4" Square
- 7.5" Square
- 6" Round
- 10" x 5"

Available VAR/ESR Ingot Size

- 8" Round

Alloys Processed

- Iron-base (including stainless steel, alloy steels, tool steels)
- Nickel-base (including superalloys, electronic/magnetic alloys)
- Cobalt-base (including high temperature alloys, magnetic alloys)

Product Forms

- Ingot
- Forged bar
- Forged plate
- Hot rolled plate/strip
- Cold rolled strip
- Loose powder metals



R&D Process Services

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Visit us at www.cartech.com

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