

# Dwight Wegman

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## SUMMARY

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Highly experienced metallurgical manager with 33 years in the superalloy/specialty steels industry. Both technical and operational managerial experience and familiar with optimizing multiple business metrics simultaneously. Understand aerospace quality requirements through entire supply chain. Regularly apply various process optimization tools and strategies to production operations.

## HIGHLIGHTS

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- Melting Metallurgy
- Superalloy Metallurgy
- Specialty Steels
- Problem Solving
- Process Optimization
- Statistical Process Control
- Quality Systems
- New Process Development

## ACCOMPLISHMENTS

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### Supervision

- Most recently managed team of melting metallurgists representing five different processes with focus on quality compliance, process optimization, root cause problem solving, SPC for process monitoring in daily production operations to satisfy critical business drivers.
- Responsible for compliance to external and internal customer requirements.

### Project Management

- Member of core teams to design, commission, and optimize manufacturing performance of production VIM and VAR furnaces.
- Assumed department manager position with responsibility for all aspects of production deliverables: safety, quality, output, productivity, employee supervision, cost.

### Process Improvement

- Oversaw departmental strategy that reduced internal rejection rate of company's highest volume product by over 50%.
- Led melting strategy to improve cleanliness and solidification structure to meet customer requirements in critical aerospace steels and superalloys
- Led team introducing new grades on to low cost melting equipment to improve competitive cost structure
- Introduced novel combination melt lineup to improve cost competitiveness of existing steels.

### Creative Problem Solving:

- Experienced with solving cross departmental manufacturing quality problems
- Mentored metallurgical engineers in problem solving activities to achieve improved process stability and waste reduction

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## EXPERIENCE

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Manager - Melting Metallurgy, 04/2007 to Current

Carpenter Technology — Reading, PA

Currently manage and mentor group of metallurgists responsible for Raw Materials, VIM, ESR, VAR, Arc Melting and Continuous Casting. This includes responsibility for quality of the products melted, process optimization, developing new superior melting practices/procedures for grades, problem solving to reduce waste, and customer support for all melting related issues.

Activities include business process management, continuous improvement, Variation reduction (six sigma) problem solving and SPC.

Manager - Remelting Operations , 11/2002 to 04/2007

Carpenter Technology — Reading, PA

Managed production operations for VAR and ESR departments with 50 employees. Delivered extremely positive production financial variances in very challenging business environment with very lean staff.

Process Engineer/Operations Manager - Vacuum Induction Melting, 06/1996 to 11/2002

Carpenter Technology — Reading, PA

Designed production metallurgical and refractory practices/procedures for VIM furnaces. Core member of commissioning team for new 20-ton VIM furnace that debugged furnace to move to 24 hour production operations within 3 months. Received customer qualification approval for critical rotating part superalloy melt procedures within 18 months of startup. Later assumed department manager responsibilities for 50 employees before moving to Remelting Operations Manager position.

Alloy and Process Metallurgist, 07/1983 to 07/1996

Carpenter Technology — Reading, PA

Performed various research projects related to physical and melting metallurgy in the field of superalloys and specialty steels. Received two U.S patents; 4,929,419 and 5,019,332 for precipitation hardening stainless valve steels. Spent one year industrial internship at Specialty Metals Process Consortium centered at Sandia National Laboratory in Albuquerque, New Mexico.

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## EDUCATION

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Master of Science: Metallurgical Engineering

Lehigh University — Bethlehem, PA, USA

Bachelor of Science: Materials Engineering

Drexel University — Philadelphia, PA, USA

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## AFFILIATIONS

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AIST Member since 2011