



**ADVANCED
MANUFACTURING
INSTITUTE
SAN DIEGO**

Powered by the Grande Foundation
Est. 2014

MANUFACTURING ACADEMY

Free Training & Job Placement Assistance

Precision Machining & Advanced Manufacturing

AMI-SD's **Manufacturing Academy** is a tuition-free, intensive job-readiness training program for San Diego County residents seeking to develop the skills and technical competencies needed for immediate entry-level employment in precision machining within the region's advanced manufacturing sector.

Upcoming Schedule (2026-2027)

Cohort #17: Feb. 16, 2026 - Jun. 12, 2026

Cohort #18: Jun. 15, 2026 - Oct. 9, 2026

Cohort #19: Oct. 12, 2026 - Feb. 5, 2027

Cohort #20: Feb. 8, 2027 - Jun. 5, 2027

Cohort #21: Jun. 8, 2027 - Oct. 2, 2027



Learn More

Scan to see our website →
or email us at:



info@AdvancedMfgInstituteSD.com

Careers:

CNC Machine Operators

Machinists

Quality Control Inspectors

Program Details:

17 weeks (~340 hours)

Monday – Friday from 8:00 am – 12:00 pm

Hands-on training & classroom instruction

Job placement assistance & employer intros

Curriculum:

Shop Theory, Quality Clinic, Metrology, Math, Blueprints, Inspection, CAD-CAM, CNC Machining, Shop Safety, Non-Destructive Testing (NDT)

Earn Certificates

Certificate of Achievement

Lean Six Sigma Green Belt

NDT Educational Overview Certificate

Eligibility & Requirements:

Must be 18 years of age or older

Have a high school diploma or GED

Must be a U.S. Citizen & SD County Resident

Demonstrate basic computer & mechanical skills

Demonstrate physical ability for safety standards

Record of Success:

17+ cohorts administered

300+ enrolled participants

90% job placement rate



ABOUT

AMI-SD is a 501(c)(3) nonprofit organization dedicated to sustaining the region's critical Advanced Manufacturing industry and helping address its workforce needs. We offer accelerated occupational skills training that prepares individuals for immediate employment as entry-level and middle-skilled precision machining positions, such as **CNC Machine Operators**, **Machinists**, and **Quality Control Inspectors**. Since 2014, we've made a significant impact by creating a skilled and diverse talent pipeline that benefits the region and strengthens the community.

PROGRAMS & SERVICES

For individuals who are unemployed, underemployed, and career-shifting, all at no cost to participants. We offer rapid, high-impact direct training and job placement assistance to San Diegans, designed to equip them with technical and professional skills to launch advanced manufacturing careers. Graduates of our programs earn competitive, livable wages and contribute to economic growth.

WHY THIS MATTERS

We help address two critical issues in San Diego County:

1. The skilled labor shortage that exists in the region's vital advanced manufacturing sector
2. Improving equitable access (for all) to the high-paying, middle-skill precision-machine occupations that are in demand and readily available in the regions.

PRECISION MACHINING & ADVANCED MANUFACTURING OCCUPATIONS

The advanced manufacturing industry is a highly technical, innovative sector that offers rewarding careers with competitive salaries and opportunities for career advancement.

- Entry-level roles in precision machining and advanced manufacturing, such as **machine operators**, **production technicians**, and **quality control inspectors**, handle equipment, assemble products, and verify quality standards.
- Middle-skilled operator roles, such as **CNC operators** and **lathe/milling machine operators**, technical training to run specialized machinery.
- More advanced roles, such as **CNC programmers** and **machinists**, involve precision tasks, programming, and fabrication for complex manufacturing processes.

ANNUAL REACH

We serve **40+ individuals** and **administer 2-3 cohorts annually**. Since our inception in 2014, we have served more than **300 individuals across 17 cohorts, achieving a 90% job placement rate** for our program graduates.

PARTNERS & COLLABORATION:

We collaborate with workforce agencies, educational institutions, community-based organizations, and employers to leverage resources and enhance support for participants. Our partnerships help attract a diverse range of people and ensure that training aligns with industry needs, enabling businesses to fill critical skill gaps and remain competitive.



LEARN MORE

Scan the QR code to visit our website
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