



Centers for Applied Competitive Technologies
Solutions for California's Advanced Technology Companies

Making it in California!



C A C T

Centers for Applied Competitive Technologies

MAKING IT IN CALIFORNIA

Advanced Manufacturing

Inland Empire/Desert Regional Consortium

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Jose Anaya

What will it take to end world hunger and have world peace?



**What will it take to end world
hunger and have world peace?**

1.8 billion good jobs

Jim Clifton, CEO of Gallup and author of “*The Coming Jobs War*”

Manufacturing Renaissance

- U.S. manufacturers are hiring again
 - Jobs in manufacturing earn 22 percent more
 - Every new job adds another 1.6 jobs to the local service economy
 - More than 600,000 manufacturing jobs go unfilled

- Re-shoring
 - Economics, quicker turnaround, higher quality, more secure IP

- Productivity
 - 1 hr. of U.S. labor equals the same output as 7.5 hrs. of off shore labor

- New Technologies
 - Digital manufacturing, nanomanufacturing, 3D printing, etc.

- Federal investments in manufacturing
 - National Network for Manufacturing Innovation (NNMI)
 - Three new innovation institutes - like Germany's Fraunhofer Centers
 - Investing in Manufacturing Communities Partnership (IMCP)

U.S. Manufacturing

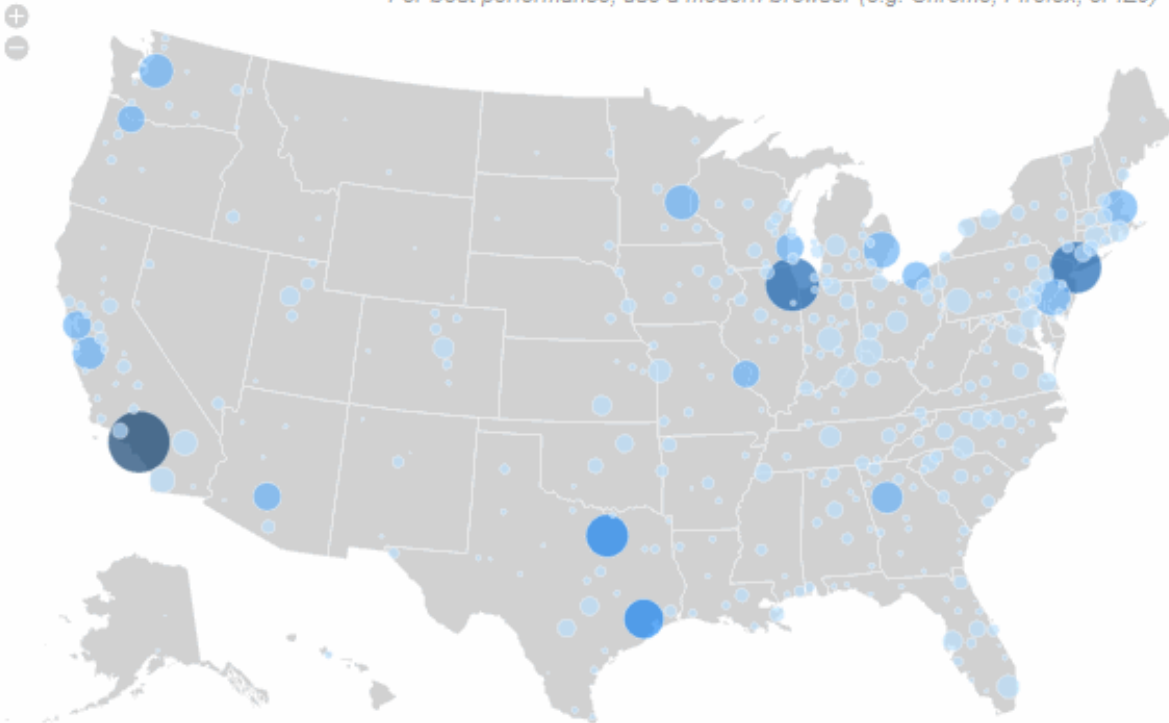
Number of manufacturing jobs, 2010

Metro Finder

Quick Facts

[Table View]

Click on the map or use the Metro Finder to select a metro area
For best performance, use a modern browser (e.g. Chrome, Firefox, or IE9)



Filter by Population
At/above: 55,274

<< Use the slider to filter out metro areas by population size

United States

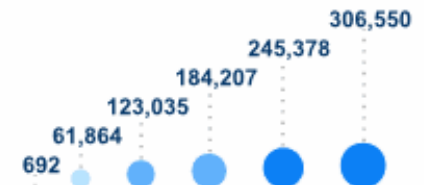
Number of manufacturing jobs, 2010
11,499,905

Manufacturing share of all jobs, 2010
8.5%

Share of manufacturing jobs considered very high-tech
16.1%

Share of manufacturing jobs considered moderately high-tech
18.6%

Map Legend



California Manufacturing

Creates quality jobs, fuels exports and drives innovation

- 1.2 million manufacturing jobs
 - No. 1 in the country
- Average annual earnings \$90,935
- 47,000 manufacturers
 - Mostly small manufacturers
- State efforts
 - GO-Biz Office
 - Legislative efforts
 - Unifying stakeholders to work together



Priorities for Advanced Manufacturing Sector

- Skills gap analysis
- Spread innovation
- Statewide certification model for manufacturing
- Attracting young people into STEM careers
- Prior Learning Assessments for veterans
- Infusing entrepreneurial and global trade into manufacturing curriculum