



**MANUFACTURING
TECHNOLOGY SERIES**

produced by
sme **AMT**

Westec
A Manufacturing Technology Series Event

AeroDef
Manufacturing

November 16-18, 2021
Long Beach Convention Center | Long Beach, CA
westeconline.com

**Total # of
Registrants:**
8,534

**Total # of
Participants:**
6,048

**Total Net
Attendees:**
3,444*

**Total # of
Exhibitors:**
331

**Total
Square Feet:**
60,700

WESTEC 2021 AUDIENCE PROFILE

46% of the WESTEC audience were first-time attendees

73% of attendees influence the equipment purchase decisions for their companies

*Total Net Attendees excludes exhibit staff, media, students





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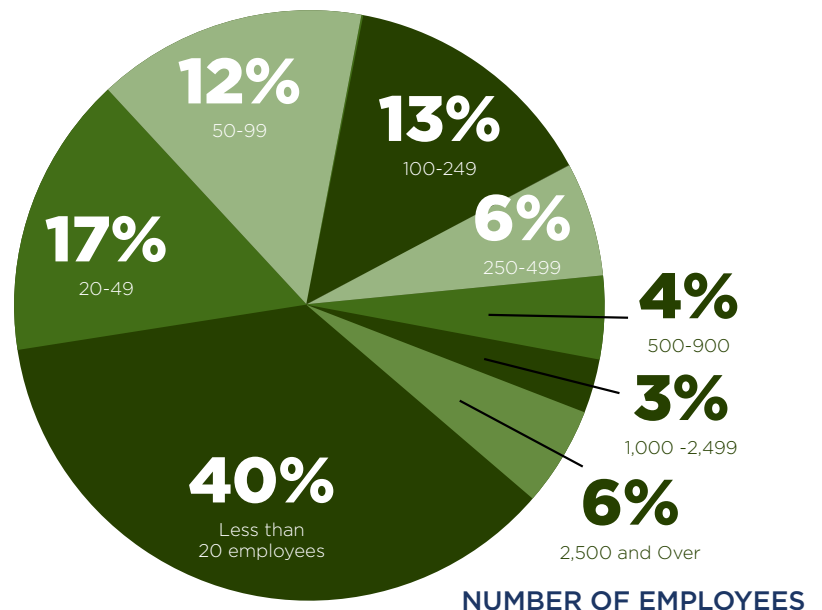
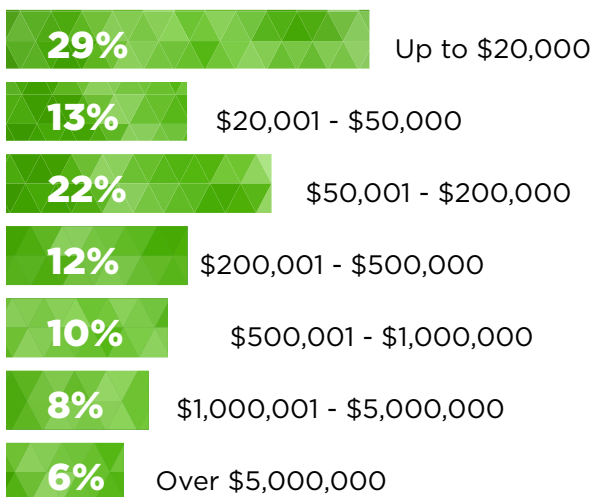
JOB FUNCTIONS

- 20%** Owner/Company Management/Corporate Executive
- 9%** Manufacturing Engineering Department (non-management)
- 7%** Design Engineer
- 8%** Manufacturing Production Management
- 7%** Product Design and R&D
- 5%** Manufacturing Engineering Management
- 5%** Manufacturing Production Department (non-management)
- 4%** Quality Assistance & Control
- 2%** Control Engineering/Automation
- 3%** Purchasing
- 2%** Educator/Instructor
- 1%** Information/ IT Systems
- 1%** Government Representative
- 20%** Sales & Marketing
- 6%** Other

COMPANY SIZE

Representatives from hard-to-reach job shops to major OEMs investigated new products and technologies at WESTEC.

BUDGET



NUMBER OF EMPLOYEES



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TECHNOLOGIES EVALUATED

Attendees identified the following technologies as key areas of interest to evaluate at WESTEC 2019.

3D Printing/Additive Manufacturing... 29%	Lasers & Laser Systems15%
3D Scanning17%	Lean Manufacturing15%
Advanced Materials15%	Machine Vision8%
Artificial Intelligence5%	Machining Centers22%
Assembly & Joining14%	Manufacturing Execution Systems (MES)4%
Automated Manufacturing & Assembly26%	Material Handling13%
Boring8%	Measurement, Inspection & Testing16%
Casting11%	Metals15%
Ceramics6%	Metrology Equipment6%
Cleaning & Pretreatment Equipment... 7%	Micromanufacturing6%
Cloud Computing2%	Milling20%
CNC Controls & Accessories24%	Modeling and Simulation5%
Composites Manufacturing16%	Moldmaking9%
Computer-Aided Engineering (CAE)... 7%	Nanotechnology4%
Contract Manufacturing Services10%	Networking Equipment2%
Controls, CAD/CAM Software21%	Operations Technology (OT)3%
Coolants & Lubricants13%	Plant Engineering & Maintenance5%
Cutting Tools & Accessories24%	Plasma Cutting5%
Cybersecurity2%	Plastics Molding & Manufacturing8%
Data Acquisition4%	Product & Process Design Management5%
Data Translation/Interoperability2%	Product Lifecycle Management (PLM)2%
Deburring & Edge Finishing15%	Quality12%
Design & Simulation11%	RFID2%
Digital Transformation4%	Robotics16%
Digitizers2%	Sawing & Cut Off Machines8%
Drilling & Tapping Machines13%	Screw Machining9%
EDM12%	Sensors6%
Electronics Manufacturing9%	Software - ERP/MRP/CIM7%
Energy & Environmental Efficiency... 4%	Software, Machine Control7%
Environmental Equipment & Protection5%	Software/Simulation3%
Fastening11%	Supply Chain Integration4%
Finishing & Coatings15%	Tooling25%
Flexible Manufacturing Systems9%	Turning17%
Forming & Fabricating14%	Virtual Reality & Augmented Reality ..3%
Grinding15%	Waterjet Cutting12%
Honing6%	Welding14%
IIoT (Industrial Internet of Things)5%	Workholding Systems & Devices11%
Industry 4.06%	Workplace Safety & Ergonomics9%
Information Technology (IT)3%	

PRIMARY INDUSTRIES ATTENDEES REPRESENT

Academic Institution	Medical/Surgical
Aircraft/Aerospace	Oil & Gas
Automotive	Other Manufacturing
Communications	Other Transportation
Consulting/Engineering	Petroleum
Defense	Pharmaceutical/Biotechnology
Electronics/Computers	Plastic Products
Fabricated Metal/Stampings	Research & Development
Furniture	Services (Financial and Other)
Government/Military	
Industrial and Commercial Machinery	

TOP ATTENDING COMPANIES

Abbott	Hunter Industries
AC DC Electric	Lockheed Martin
Acutek US	Lockheed Martin Aeronautics
Adams Rite Aerospace	MachineWorks Manufacturing
AF Precision	Mason Controls
Arconic	NASA Jet Propulsion Laboratory
The Boeing Company	NAVAIR
Brasstech	Northrop Grumman
City of Los Angeles	Panavision
Click Bond	Parker Hannifin
CMTC	Precision Hermetic Technology
Collins Aerospace	Products Engineering Corp.
Concept Precision Machining	RBC Bearings
Divergent 3D	Rockwell Collins
Ducommun	Safran
Easton	Senior Aerospace SSP
Edwards Lifesciences	Solar Turbines Inc.
Fusion Prototype Manufacturing	Southern California Machining
Gamma Aerospace	SpaceX
GBF Enterprises	Spenco Machine & Mfg.
General Atomics	Virgin Orbit
GKN Aerospace	
Honda Performance Development	
Honeywell	