

Training Small and Mid-Sized Manufacturers in Southwestern Pennsylvania

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Then

- 1940s - 1960s: The Pittsburgh region produces one-third of the world's primary metal products.
- 1970s - 1990s: The Pittsburgh region loses 54% of its manufacturing jobs (157,000 workers).

Now

- 3,800 manufacturers:
 - 5% of regional employers
 - 15% of regional workforce - 166,000 people
 - 21% of regional payroll - \$6.2 billion
 - 90% of these companies have fewer than 100 employees



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These Manufacturers have:

- customer demands for shorter lead times
- customer demands for lower costs
- limited training budgets
- limited training time
- new materials to cope with
- new methods to learn
- a dearth of technical knowledge



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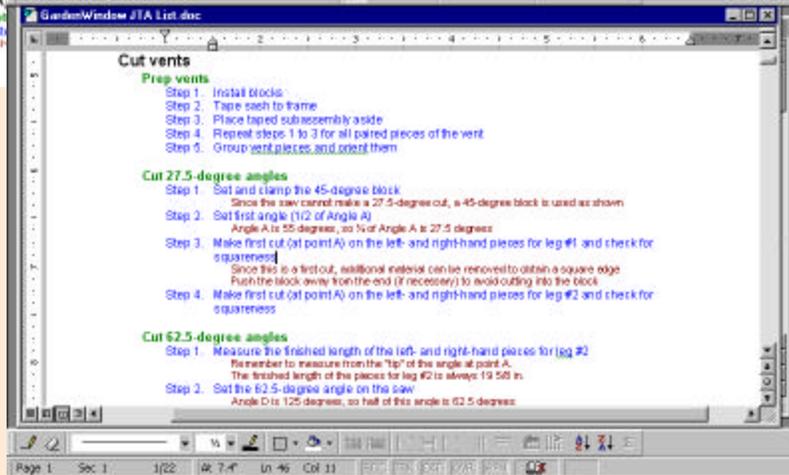
These manufacturers need to:

- **Upgrade current technical knowledge by:**
 - Identifying critical knowledge
 - Acquiring knowledge from those who have it
 - Structuring knowledge to be readily accessible
 - Providing access to knowledge
 - Creating systems that help people apply knowledge
 - Learning how to improve and manage knowledge
- **Acquire new technical knowledge by:**
 - Cataloging existing programs
 - Introducing CD-ROM libraries



Company
Job Title or Product Name
Duty → Task → Subtasks → Steps → Knowledge & Skills

Heading 1 (Duty)
Heading 2 (Task)
Heading 3 (Subtask)
Heading 4 (Step)



Two ways to navigate:

- Menu system
- Navigation buttons

