

## Diploma of Competitive Manufacturing

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**Competitive Manufacturing aims to make training in the skills needed for modern manufacturing practices and principles accessible to all Australian manufacturing enterprises through nationally accredited qualifications.**

The Competitive Manufacturing Training Package covers in detail many Lean and Six Sigma methodologies such as; Value Stream Mapping, 5S and Visual Controls, TPM, JIT, Mistake Proofing, Root Cause Analysis, Variance Reduction, Statistical Process Control, Change Management and much more.

This training is competency based and provides for organisational improvement through the holistic delivery of training to all employees. It is aimed at equipping individuals with skills necessary to add value to a business through the application of enhanced manufacturing knowledge and skills.

As a Registered Training Organisation (Registered by VETAB, National Provider Number 91353) Segla International will issue learners with a nationally recognised “AQF qualification of competence” on successful completion of the requirements defined in each course. Where learners have gained competency to selected components of the qualification, a nationally recognised Statement of Attainment will be awarded.

### Qualification Requirements

Successful completion will require competency in units that relate to work defined as aligned at the Australian Qualifications Framework (AQF) Level. To be awarded a Diploma of Competitive Manufacturing, competency must be achieved in 20 units comprised of the 10 units required for Certificate IV and a further 10 units.

### Who should attend?

Supervisors and Managers tasked with contributing to change programs aimed at delivering improved yield, quality, service delivery and costs.

This is a workplace based training program, conducted in the classroom and on the shop floor. Typically the Diploma program will be completed in 24 months

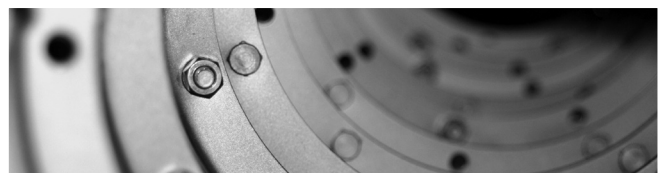


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Reduced cycle times • Improved productivity • Increased equipment capacity • Business growth and increased profitability

## Diploma Units of Competency

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#### CM Systems

At least one of the following CM Systems units must be chosen.

- MSACMS600A - Develop a competitive manufacturing system
- MSACMS601A - Analyse and map a value chain
- MSACMS602A - Manage a value chain
- MSACMS603A - Develop manufacturing related business plans
- MSACMS604A - Manage competitive manufacturing processes in a jobbing shop environment
- MSACMS605A - Develop a balanced score card for use in competitive manufacturing
- MSACMS606A - Introduce competitive manufacturing to a small or medium enterprise

#### CM Change/interpersonal

At least one of the following CM Change/interpersonal units must be chosen.

- MSACMC610A - Manage relationships with non-customer external organisations
- MSACMC611A - Manage people relationships
- MSACMC612A - Manage workplace learning
- MSACMC613A - Facilitate holistic culture improvement in a manufacturing enterprise
- MSACMC614A - Develop a communication strategy to support production

#### CM Tools

At least two of the following CM Tools units must be chosen.

- MSACMT452A - Apply statistics to processes in manufacturing
- MSACMT620A - Develop quick changeover procedures
- MSACMT621A - Design a Just in Time (JIT) system
- MSACMT622A - Design a process layout
- MSACMT623A - Develop a levelled pull system of manufacturing
- MSACMT630A - Optimise cost of a product
- MSACMT631A - Undertake value analysis of product costs in terms of customer requirements
- MSACMT632A - Analyse cost implications of maintenance strategy
- MSACMT640A - Manage 5S system in a manufacturing environment
- MSACMT641A - Implement a continuous improvement system
- MSACMT650A - Determine and improve process capability

- MSACMT652A - Design an experiment
- MSACMT653A - Apply six sigma to process control and improvement
- MSACMT660A - Develop the application of enterprise systems in manufacturing
- MSACMT661A - Determine and establish information collection requirements and processes
- MSACMT662A - Develop a documentation control strategy for a manufacturing enterprise
- MSACMT670A - Develop and manage sustainable environmental practices
- MSACMT675A - Facilitate the development of a new product
- MSACMT681A - Develop a proactive maintenance strategy
- MSACMT682A - Adapt a proactive maintenance strategy to the process manufacturing sector
- MSACMT683A - Adapt a proactive maintenance strategy for a seasonal or cyclical manufacturing operation

#### Other relevant units

No more than four relevant units at the AQF 4, 5 or 6 level may be selected from another relevant endorsed Training Package. Units chosen should be relevant to the workplace and would normally be drawn from the appropriate sector Training Package, or possibly the Business Services Training Package.

#### Balance of units

Sufficient additional units should be chosen from the CM units to achieve the required ten units.

