

# Certificate IV Competitive Manufacturing

## MSA 41108

### PROGRAM OUTLINE

The Competitive Manufacturing Training Package has been developed in consultation with industry to make a broad range of modern manufacturing excellence practices available to all Australian manufacturing organisations. Competitive Manufacturing training is considered necessary for manufacturers to become more globally competitive and innovative. Part of a Federal Government initiative to keep manufacturing in Australia, this new approach to continuous improvement ensures that your team has the most up-to-date knowledge and skills through exposure to the latest business improvement techniques via existing worker traineeships.

#### KEY LEARNING OUTCOMES

- ▶ Lean methodologies including JIT, 5S, Six Sigma and Continuous Improvement
- ▶ Waste minimisation including defects, inventory and motion
- ▶ Process and quality improvement
- ▶ Leadership and team effectiveness
- ▶ Problem solving and updating of business procedures
- ▶ Safe workplace practices and compliance

#### PROGRAM BENEFITS

- ▶ Effectively manage change to improve efficiency and profitability
- ▶ Nationally accredited program
- ▶ Raise skills profile of your organisation
- ▶ Drive innovation and foster a best practice culture to deliver quality services and products to customers
- ▶ Develop effective teamwork throughout organisation

#### WHO SHOULD ATTEND?

Production Operators, Team Leaders, Machine Operators and Process Operators who have or will have responsibilities with facilitating Lean practices and change programs aimed at delivering improved capacity, quality, service delivery and costs. Government funding is available for eligible participants.

#### DELIVERY METHOD

This program comprises class room theory and shop floor mentoring, delivering tangible business outcomes through participation in identified improvement projects in the workplace over an 8 month period.

#### QUALIFICATION AND ASSESSMENT REQUIREMENTS

For successful completion of MSA41108 Certificate IV in Competitive Manufacturing, competency must be achieved in ten units. A number of assessment strategies are utilised in relation to each participants' performance including activities completed in session and workplace based projects. All assessments are conducted at the student's workplace.



## COMPULSORY CORE COMPETENCY

**MSACMC410A**      Lead change in a manufacturing environment

## SYSTEMS COMPETENCY (COMPLETE MINIMUM OF ONE UNIT)

**MSACMS400A**      Implement a competitive manufacturing system

**MSACMS401A**      Ensure process improvements are sustained

**MSACMS405A**      Lead a manufacturing team using a balanced scorecard approach

**MSACMC411A**      Lead a competitive manufacturing team

**MSACMC413A**      Lead team culture improvement

## TOOLS COMPETENCY (COMPLETE MINIMUM OF TWO UNITS)

**MSACMT421A**      Facilitate a JIT system

**MSACMT423A**      Monitor a manufacturing levelled pull system

**MSACMT430A**      Improve cost factors in work practices

**MSACMT432A**      Analyse manual handling process

**MSACMT440A**      Lead 5S in a manufacturing environment

**MSACMT441A**      Facilitate continuous improvement in manufacturing

**MSACMT450A**      Undertake process capability improvements (Prerequisite is MSACMT452A)

**MSACMT451A**      Mistake proof a production process

**MSACMT452A**      Apply statistics to processes in manufacturing

**MSACMT453A**      Use six sigma techniques (Prerequisite MSACMT452A)

**MSACMT460A**      Facilitate the use of planning software systems in manufacturing

**MSACMT461A**      Facilitate SCADA systems in a manufacturing team or work area

**MSACMT481A**      Undertake proactive maintenance strategy

**MSACMT482A**      Implement a proactive maintenance strategy

**MSAPMSUP390A**      Use structured problem solving tools

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