



## Workshops that Work!

Do you want to:

- ✓ Reduce Set up Times By 50-90%
- ✓ Improve customer service but still reduce Inventory
- ✓ Improve Plant Flexibility
- ✓ Reduce Work in Progress

Thursday, 17<sup>th</sup> October 2002  
8.30am-1.00pm

At:

Room 7AB  
Australian Technology Park  
Eveleigh NSW

**Price :\$450/person**  
(includes GST)

Advanced Manufacturing Centre  
Suite G12/Bay 7  
Locomotive Workshop  
Australian Technology Park

The Advanced Manufacturing Centre  
at the Australian Technology Park

# Experience Quick Changeovers

## Would 75% Reductions in Changeover Times Help Your Business?

### The Workshop

In this 'hands-on' workshop participants will experience how to halve changeover times by initially undertaking a time study on an actual changeover. They will then apply the principles we teach them on quick changeovers to develop improvements, and actually undertake the changeover using their improved method. This is a wonderful way for participants to really grasp that major changeover reductions and simplifications are possible, often at little cost.

The use of videos for studying changeovers will be shown, and detailed training notes provided.

### Who Should Attend

An excellent workshop for all those interested in simplifying and speeding up changeovers - manufacturing management, engineering, tool design, shop floor personnel, production planning.

### Will It Work On My Machines?

*Reductions of 50-95% have been obtained on:*

- Tablet Presses
- Wood Joining Machines
- Bottle Filling Equipment
- N-C Machines
- Sand Moulding Machines
- Paint Lines
- Confectionery Manufacture
- Tube Benders
- Metal Presses
- Injection Moulding
- Die Casting
- Biscuit Manufacture
- Blister Packing Machines
- Assembly Lines

*And many more production processes.*

### Self Assessment Tool

**15-Minute Self-Diagnostic** has been developed to clearly define the benefits of Quick Changeovers for your company, and establish appropriate performance measures. This will clearly define the business benefits of Quick changeovers, thus ensuring full management support and avoiding a "flavour of the month" approach.

# Half Day Quick Changeover Workshop - Experience Quick Changeovers

## 1. Introduction – Establishing Changeovers as a Priority

We explore and explain to participants why reducing changeover times can be so important to a business, and how to estimate the \$ savings.

- § Reducing Changeover times will reduce lead times & inventory.
- § Reducing Changeover times will increase machine availability.
- § Reducing Changeover times will improve company's flexibility and customer service.

## 2. Exercise - Opportunities At Your Company

In this exercise we use a Self Assessment Tool to identify your key machines involved in set ups, pinpoint the wastes caused by set ups, the savings/benefits for you of halving set up times, and the key performance indicators.

## 3. Improvement Principles For Halving Changeover Times

Principles covered include:

- § What is changeover time?  
"The total elapsed time from the last good piece of the previous run to the first good piece of the next run at optimum speed"
- § How to study changeovers using videos and time sheet analysis
- § How reductions of 30-50% can be obtained simply by identifying and working on changing internal elements to external
- § Low cost ideas to streamline fastening
- § Ideas to eliminate or streamline adjustments
- § Participants will be provided with a ten-step process to reduce changeover times by 50-75%

## 4 Changeover Simulation

In this session participants will observe and undertake a time study on an actual changeover using a model machine. They will learn to apply the improvement principle to this machine then actually carry out the changeover using their improved method. This is a wonderful way for participants to really grasp our approach to changeover reduction.

## 5 Case Studies

Examples and videos will be presented of how other companies, from a variety of industries, have achieved improvements of 50-90%.

## Our Workshop Presenter

**Dr Peter Fisher** is Managing Director of Breakthrough Management a manufacturing consultancy organisation. Over 15 years ago he was among the first to introduce *Just In Time* and related concepts to Australian manufacturing companies.

He has trained over 100 companies in Quick Changeover techniques in Australia, New Zealand and the USA. This has involved both public workshops and company implementation programs. He has recently worked closely with the NSW Government to undertake Quick Changeover projects with groups of companies, and develop case studies based on these projects.

Peter is currently working on several projects for the AMC and also consulting to individual manufacturing companies.

Visit our website:  
[www.amc-atp.com](http://www.amc-atp.com)

**Yes** I wish to register for the **Experience Quick Changeovers** on Thursday, 17<sup>TH</sup> October, 2002 at the Advanced Manufacturing Centre at the Australian Technology Park, Eveleigh NSW.

Company Name:	.....	<b>Please register</b> the following people for The Quick Changeover Workshop. \$450/ person.
Contact:	.....	
Company Address:	.....	
Contact Ph:	.....	
E-mail:	.....	

E-mail response to: [j.mcdonnell@amc.atp.com.au](mailto:j.mcdonnell@amc.atp.com.au) or FAX back **(02) 9209 4470** urgently!  
For further information contact Peter Fisher 9944-0939, or Jenny McDonnell 9209-4209