

**QUICK CHANGEOVER (SMED)
2 DAY WORKSHOP**

1. SMED

Developed by Shigeo Shingo of Toyota, Single-Minute Exchange of Die (SMED) is a method for reducing waste in a manufacturing process. It provides a rapid and efficient way of managing tear down and setup on a machine, necessary to convert from manufacturing the current product to running the next product. This rapid changeover is key to reducing production lot sizes and thereby improving flow.

2. Learning Objective

The objective is to bring all attendees through a full SMED exercise using the DMAIC A3 project management approach, and appropriate lean tools such as video, process mapping, spaghetti mapping, error proofing and standard work. At the end of this workshop attendees will...

- have established a more robust and standardised set-up and changeover process on the machine
- have the ability and confidence to further improve and refine the machine set-up/changeover process on an ongoing basis.

The workshop will involve identifying and implementing improvements to the set-up/changeover process on the client’s machine (wherever possible). During the course candidates will be assessed on their participation and ability to complete SMED tasks that will deliver concrete predefined results.

3. Agenda

Time	Day 1	Day 2
09.00	LEAN Principles - the 7 wastes The A3 sheet & the DMAIC Cycle Introduction to SMED: Toyota video review & discussion Gemba walk and review of SMED application at the machine	Improve: error proofing, shadow boards, standardisation Control: success measurement, PCA & SPC
12.45	Lunch	Lunch
13.30	Define: process map Measure: spaghetti mapping, video analysis & timing Analyse: external activities & internal activities Review & close	A3 update Closing review with team, action items & responsibilities Closing Review with champions & managers

4. Who should attend?

Operators, technicians, engineers, team leads and general production operatives from the area are the best candidates to attend the 2-day training. The attendees should ideally be those who run the equipment on a daily basis. Maximum number of attendees = 8.

5. Contact

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