



# Training On Gage Repeatability & Reproducibility (GR&R)

No Admission Fee...!!

Malaysia Productivity Corporation

*Your Partner in Competitiveness*



**8 – 9 July 2009**

**MPC Southern Region Office**

Limited to 20 Seats  
Only Don't Wait!.....  
Register Now

**FOR SMEs ONLY!!**



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**Malaysia Productivity Corporation**

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Webpage: www.mpc.gov.my

## Course Content

- Purpose of GR&R
- Concept of Accuracy and Precision
- Variation Measurement
- Measurement Errors
- Average and Range Method
- Tools for Analysis

## Introduction

This practical course combines classroom teaching, practical exercises, group discussion and case study with actual factory based projects to provide a complete action learning experience. The course has been designed to enable all participants leave the training with a set of new knowledge, tools, skills and direct experience of how to implement Gage Repeatability and Reproducibility methodology in a real company setting.

**NOTE :** Calculator (Preferable Microsoft Excel or scientific calculate) will be used for the purpose of data calculation analysis.

## Objectives

The ability of gauge or measuring equipment to obtain repeatable, reproducible, and accurate measurements should be assessed prior to data collection. The course discusses the importance of measurement accuracy and precision, the methods of evaluating gauge capability and the methods of maintaining gauge stability.

Thus, the course has been designed to fulfill the following objectives :

- To provide an understanding of measurement system concept
- To apply GRR methodology for different types of gauges / measuring equipment
- To evaluate GRR results and trigger necessary actions

## Who Should Attend?

This course is designed for managers, engineers, and executives who wish to introduce methodologies for assessing measurement system in their existing quality system.

Please register the following participant (s) form and send it to address below or please contact:

**Syed Mohd Al-Khafiez Shah**  
E-mail: syed@mpc.gov.my  
Phone: 07-2377 422

**Closing Date : 3rd July, 2009**

REGISTRATION FORM

Training On Gage  
Repeatability & Reproducibility  
(GR&R) for SMEs

8–9 July 2009  
MPC Southern Region Office, Bandar Baru UDA

Please confirm your attendance by filling in the confirmation slip below and fax it to the officer concerned below  
by  
3rd July, 2009

Mr. Syed Mohd Al-Khafiez Shah at Tel: 07-237 7422 / fax: 07-238 0798

The personnel participating are:

<u>Name</u>	<u>Designation</u>
1.	
2.	
3.	
4.	

Organisation : \_\_\_\_\_

Address : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SME Company size : Enterprise/ Small/ Medium

Tel : \_\_\_\_\_ Fax : \_\_\_\_\_

E-mail: \_\_\_\_\_

Company's contact person: \_\_\_\_\_

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