

## Who Should Attend:

*Welding /  
Production  
Supervisors;  
Welders; NDT  
Technicians; QC  
Inspectors;  
Mechanical  
Engineers; Quality  
Managers,  
Supervisors.*

Language ability:  
*English*

Educational level:  
*Min. O-Level*

Learning Style:  
*Classroom Training  
& Practical*

## Entry Requirements:

*Age: 16 years and  
above*

Organization  
Experience:  
*Minimum 3 months*

## About This Course:



Develop skills in detecting surface and near-surface defects in ferromagnetic materials. This course offers comprehensive training in Magnetic Particle Testing techniques widely applied in fabrication, maintenance, and quality control. Participants will gain confidence in equipment usage, defect evaluation, and inspection reporting.

## What You'll Learn

This course will teach you the duties and responsibilities of a MPI inspector including,

- Principles of Magnetic Particle Testing
- Magnetization methods and equipment
- Selection of particles and media
- Defect detection and interpretation
- Demagnetization techniques
- Codes and acceptance criteria
- Reporting and safety practices



## Learning Unit:

- Principles of Magnets and Magnetic field
- Characteristics of magnetic field
- Effects of current on flux fields
- Effect of discontinuities on materials
- Techniques of magnetization by means of electric current
- Selection of proper method for magnetization
- Principles of De-magnetization
- Methods of demagnetization
- Types of inspection materials
- Types of magnetic particle testing equipment
- Types of discontinuity detected by magnetic particle testing
- Magnetic particle test indications and interpretations
- Evaluation techniques
- Quality control of equipment and processes

## Assessment & Certification

- Assessment Method: Written test and practical assessment
- Accreditation: WSQ / SSG accredited

## Certificate Obtained and Conferred by:

Participants who complete course with at least 75% attendance and demonstrate competency during assessment will receive a Certificate of Completion by Cutech Training Center and a WSQ Statement of Attainment (SOA) issued by SkillsFuture Singapore.

## Course Fee & Funding

FULL FEE	SELF-SPONSOR		COMPANY SPONSOR	
	NORMAL	MCE (Mid-career Enhanced Subsidy)	MNC COMPANY (Normal)	SME COMPANY (Enhanced Training Support for SMEs)
For Singapore Citizens / PRs / Foreigners	For Singapore Citizens* <i>Aged between 21 and 39 Yrs</i> For Singapore PRs <i>Aged 21 Yrs &amp; Above</i>	For Singapore Citizens* <i>Aged 40 Yrs &amp; above</i>	For Singapore Citizens / PRs <i>Aged 21 Yrs &amp; Above</i>	For Singapore Citizens / PRs <i>Aged 21 Yrs &amp; Above</i>
<b>S\$ 1200</b> <b>+ S\$ 108 (9%GST)*</b>	<b>S\$ 600</b> <b>+ S\$ 108 (9%GST)*</b>	<b>S\$ 360</b> <b>+ S\$ 108 (9%GST)*</b>	<b>S\$ 600</b> <b>+ S\$ 108 (9%GST)*</b>	<b>S\$ 360</b> <b>+ S\$ 108 (9%GST)*</b>

## Course Duration & Schedule

- ✓ Total Duration: **24 Hrs**
  - Theory: **14 hours**
  - Practical: **7 hours**
  - Assessment: **3 hours**
- ✓ Schedule:
  - Full-Time : **08:30am to 05:30pm**
  - Part-Time : **06:00pm to 10:00pm**
- ✓ Mode of Training : **Class-room**

### Funding Notes:

- ✓ SSG funding is applicable to eligible Singapore Citizens / PRs and subject to meeting attendance and assessment requirements.
- ✓ Absentee Payroll (AP) Funding available for eligible SMEs.
- ✓ Mid-Career Enhanced Subsidy (MCES) may apply.
- ✓ The GST amount is payable for the full course fee before any grant is applied
- ✓ CUTECH reserves the rights to amend any details relating to the programme without prior notice

### Additional Information:

Go to <https://training.cutechgroup.com> under useful Links for **Post-course support**, Technical Support, **Refund / withdrawal policy**, Course Material and **payment information**.

### Course Date & Contact:

- Registration Link / QR Code:  
<https://training.cutechgroup.com/schedule>
- Myskillsfuture reference link : [click here](#)
- Phone: +65 8890 9062, +65 9758 3097, +65 6262 6614
- Email [training@cutechgroup.com](mailto:training@cutechgroup.com)



Get Certified - Upskill and Reskill for Career Growth!