

Managerial

training





Your Qualification Partner

Training is essential to peak performance

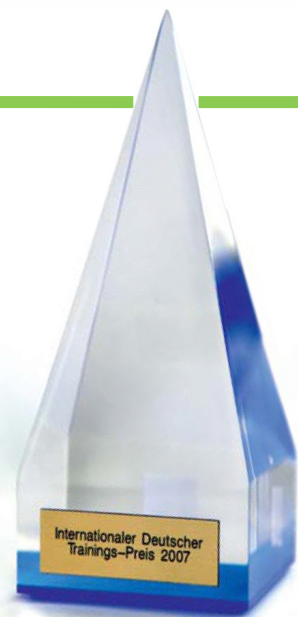
Business is just like sport: if you want to succeed you have to train hard. If you want to be one of the winners, you need to keep your staff and company fit, Qualifications mean respect, independence and security. ENGEL training helps you keep on top of your work, and helps you face new challenges.

Efficient and systematic work-related courses

- > **Modularity:** A large variety of seminars guarantees the perfect package for any skill level and consequently maximum individuality. Target groups range from fitters, through maintenance and repair staff, through to specialists for process technology or mould proving.
- > **High level of practical orientation:** ENGEL seminars are characterised by their hands on approach to the latest machine technology in realistic production environments.
- > **e-Learning:** The ENGEL e-trainer is the only “flight simulator” for injection moulding today.
- > **ENGEL e-trainer live:** ENGEL also offers in-depth seminars via the internet. This saves travel expenses while reducing your time investment to a minimum.
- > **Specialist seminars:** Training and seminars on specialist subjects round off the standard program.
- > **Customer specific training schedules:** ENGEL specialist liaise with the customer to draft an individual training plan with customised topics

A prize-winning concept

- > **2005 Initiative Prize for Vocational Training**
ENGEL's e-trainer was awarded as one of the seven most innovative training concepts by the Otto-Wulf Foundation and DIHK, Germany's Assembly of Chambers of Industry and Commerce.
- > **2007 International German Training prize**
Gold award for ENGEL's training philosophy by BDVT (Berufsverband Deutscher Verkaufsförderer und Trainer e.V. – Professional Association of Sales Promoters and Trainers in Germany) in the face of competition from many other international training concepts.



Process Technology

<p>Managerial plastic basics (MPB)</p> <p>Basic knowledge about plastics technology for injection moulders</p>

<p>Seminar Objectives:</p> <p>This seminar gives newcomers to the industry and career changers the necessary background knowledge to understand the injection moulding process. Besides theoretical explanations, participants will receive an introduction to the world of plastics and injection moulding technology based on practical exercises to thoroughly prepare them for work in plastics production.</p>
<p>Seminar Contents:</p> <ul style="list-style-type: none"> > Basic knowledge of plastics: Structure and properties, macromolecular structure, state diagrams > Basic Knowledge of injection moulding technology: Layout and function of an injection moulding machine > Processes: Plasticising, injection, pressures, cooling phases > Advanced knowledge of plastics: Processing characteristics > Advanced knowledge of injection moulding technology: Process setup, moulded part errors
<p>Seminar Duration</p> <p>2 days</p>
<p>Target Group</p> <p>Newcomers and career changers in the injection moulding industry</p>
<p>Requirements:</p> <p>None</p>

<p>Managerial plastic advanced (MPA)</p> <p>Basic knowledge about plastics technology for injection moulders</p>

<p>Seminar Objectives:</p> <p>To give delegates an understanding of the basic physical characteristics of plastics and the implications of those characteristics on the design process enabling them to:</p> <ul style="list-style-type: none"> > Perform rational materials selection > Identify and rectify existing / potential product failure regions > Identify and rectify potential / existing processing problems
<p>Seminar Contents:</p> <ul style="list-style-type: none"> > The history and classification of common plastics > The advantages and disadvantages associated with different generic types of common plastic > The methodology associated with the effective selection of plastics for specific applications > The effects of time, temperature and stress on the physical characteristics of plastics > The common causes of failure of plastics products > How to identify and correct injection moulding problems > How to select and apply the most appropriate plastic joining technique
<p>Seminar Duration</p> <p>2 days</p>
<p>Target Group</p> <p>Designers, Engineers, Managerial staff, Personnel for mould testing</p>
<p>Requirements:</p> <p>Good knowledge of plastics and injection moulding technology</p>

Managerial plastic quality (MPQ)

Quality assurance in injection moulding



Seminar Objectives:

Understanding the steps necessary for optimum quality assurance of an injection moulding machine. After the seminar the participant can carry out process and operation optimisations from a quality assurance point of view. He knows the programs required for this and understands the quality relevant process data as well as its documentation.

Seminar Contents:

- > Strategies for optimisation of the injection moulding process
- > Recognition of surface and injection faults and suitable measures to stop the same
- > Moulded part properties, machine optimization and relevant process parameters
- > Optimisation
- > Quality control using graphics, process data graphics, process data protocols
- > Practical exercises: optimisation and online quality monitoring of an injection moulding process using the above mentioned programs

Seminar Duration

2 days

Target Group

Production Managers, Members of Quality Assurance, Personnel for mould testing

Requirements:

Good knowledge of plastics and injection moulding technology

Managerial plastic moulding (MPM)

Theoretical and practical aspects of injection moulding



Seminar Objectives:

In this seminar delegates will have the confidence and understanding to communicate on the same level as experienced moulding technicians and engineering staff.

Seminar Contents:

- > Understanding the injection moulding process
- > Increase communication skills
- > Understanding moulding terminology
- > Practical injection moulding
- > Selection criteria for process and tooling
- > Polymers and additives
- > Moulding techniques

Seminar Duration

2 days

Target Group

Designers, Engineers, Managerial staff, Sales Staff

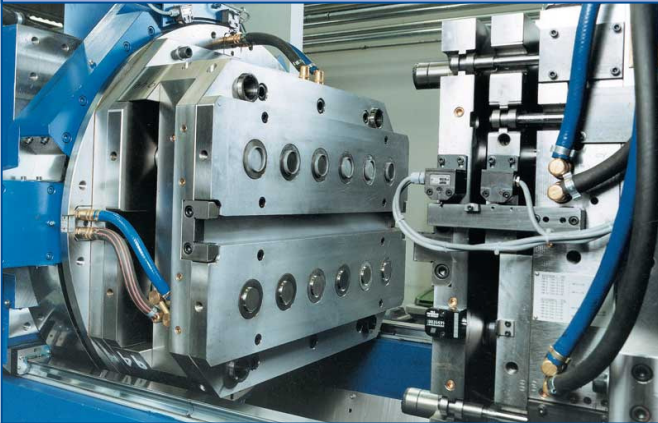
Requirements:

None

Process Technology

Managerial mould design (MMD)

Principles and fundamentals of mould design



Seminar Objectives:

In this seminar attendees can improve communication with mould designers and tool makers enabling plastic product manufacturers to know the right questions to ask and understanding the answers, avoid mistakes and shorten lead times.

Seminar Contents:

- > How moulds are made, the effect on cost and timing
- > How moulds are constructed; the elements and terminology used
- > How component design can effect mould cost, lead time and mould maintenance
- > How mould design can influence product quality
- > The importance of mould cooling; gate and runner design etc
- > How to identify faults relating to mould design/manufacture
- > How to make mould design improvements
- >

Seminar Duration

2 days

Target Group

Designers, Engineers, Managerial staff, Personnel for mould testing

Requirements:

Good knowledge of plastics and injection moulding technology

Contact details and course dates

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Warwick CV34 6RW

Organisation, registration:

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The ENGEL Training Centre Warwick offers modern multi-media based equipment, air-conditioned seminar rooms and a pleasant atmosphere. The technical centre is equipped with state of the art machinery and handling systems – ideal conditions for learning.

MPB

- > 4th 5th March 2008
- > 12th 13th August 2008

MPA

- > 13th 14th May 2008

MPQ

- > 22nd 23rd April 2008
- > 16th 17th December 2008

MPM

- > 18th 19th March 2008
- > 9th 10th September 2008

MMD

- > 15th 16th April 2008
- > 28th 29th October 2008

Course Fee

£480.00

Success Guaranteed!

If training does not produce the anticipated results, participants can take part in the same seminar at one of our ENGEL training centres, within six months free of charge.



If the seminar schedule and registration details are missing, please contact your local ENGEL dealer.

For detailed information of ENGEL training and to register for a seminar online, please visit:

www.engelglobal.com/training



Series

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ENGEL insert
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ENGEL e-factory

Application technology

ENGEL application technology

Business Units

ENGEL automotive
ENGEL telectronics
ENGEL packaging
ENGEL medical
ENGEL technical moulding

Summary

ENGEL Portfolio

Language

> German
English
French
Italian
Spanish

ENGEL
be the first.