

More efficiency in **injection moulding.**  
**ENGEL training**

**ENGEL Technology Center  
 United States**  
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The ENGEL Technology Center in York/Pennsylvania and the ENGEL Technology Center in Corona/California offer modern multimedia based presentation equipment in air-conditioned seminar rooms. This complements our state of the art Training machines and robots, located immediately next to the seminar room, which allow for extensive hands-on Training opportunities.

**Seminar facts**

Seminar duration: Daily from 8.30 a.m. - 4.00 p.m.  
 Seminar location: ENGEL Technology Center, United States, York/Pennsylvania;  
 ENGEL Technology Center, Corona, California;

**Registration suggestions**

- Online-booking at [www.engelglobal.com/training](http://www.engelglobal.com/training)
- Fax using the form provided on this page
- Telephone: +1 (717) 764-6818 ext. 4303 or 4295

We request that P.O. numbers be provided at the time of registration. Please register early (at the latest 2 weeks before the start of the seminar) because the number of participants is limited. You will receive our confirmation of participation, along with course information no later than one week prior to the course date.

**What we offer**

- > Training by qualified trainers
- > Seminar documentation
- > CD-ROM ENGEL e-trainer (with seminar EOB EC 200/CC 200)
- > CD-ROM ENGEL operator basics (with seminar EOB CC 100)
- > Lunch and all drinks at break times
- > Confirmation of participation

**We take care of you**

If hotel accommodation is required for any of our courses, we can send you a selection of moderately priced hotels located a short driving distance from the course location (York or Corona). We can also send directions to the seminar of your choice with the course confirmation shortly before the course date.

**For your calculation**

- > Standard Seminar: Please see calendar for prices
- > Special Seminar: Each seminar day (plus travel expenses of Trainer): \$1040.00
- > CD-ROMs:  
 ENGEL e-trainer: \$90.00  
 ENGEL operator basics: \$90.00

Amounts payable upon receipt of invoice.  
 Sales tax will be added where applicable.

**Please note**

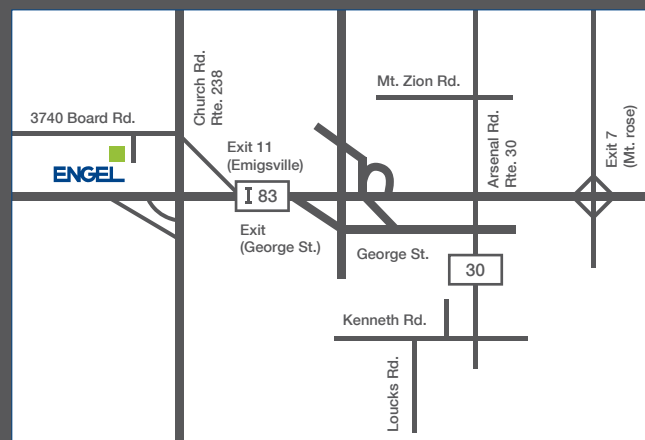
If your attendance is not possible, for any reason, we will cancel your registration up to two weeks before the start of Training free of charge. If you cancel within two weeks before the start of Training, we will have to invoice you 50% of the course cost and within a week before the start of Training we will have to invoice you 100% of the seminar cost. Of course, you are free to nominate another course participant in your place, in which case no service charge will apply. We reserve the right to postpone or cancel individual seminars or to plan extra course dates. Therefore, claims for compensation cannot be accepted.

# Registration

To: ENGEL Technology Center, US

Fax: **+1 (717) 767-6229**

..... Seminar	..... Address
..... Date	..... Telephone / Fax
..... Name of participant	..... E-Mail
..... Company name	..... Date and signature
..... Department	



Seminars **North America** 2012



Overview of the Seminar Program		Fee (USD)	Control	January	February	March	April	May	June	July	August	September	October	November	December	
<b>OPERATION</b>	<b>ENGEL operator basics (EOB)</b> Basic skills for operating ENGEL injection moulding machines	910,-	CC 100	24. - 25.	7. - 8. EX 21. - 22. EM		10-11 E-TRAINER 17. - 18.			10. - 11.	14. - 15.		2. - 3.			
			CC 200	10. - 11.	C 7. - 8.	C 13. - 14.			7. - 8. EM C 22. - 23. EM	C 19. - 20.	24. - 25. EX	C 7. - 8.		16. - 17. C 23. - 24. 30. - 31. EM		
	<b>ENGEL operator advanced (EOA)</b> Operating of ENGEL injection moulding machines for advanced users	910,-	CC 100	26. - 27.	9. - 10. EX		19. - 20.			12. - 13.	16. - 17.		4. - 5.			
			CC 200	12. - 13.	C 9. - 10.	C 15. - 16.			9. - 10. EM C 24. - 25. EM	C 21. - 22.	26. - 27. EX	C 9. - 10.		18. - 19. C 25. - 26.	1. - 2. EM	
	<b>ENGEL robotics basics (ERB)</b> Basic skills for operating ENGEL robots	910,-	RC 100	31.	1.					17. - 18.			9. - 10.			
			RC 200	17. - 18.	C 28. - 29.		24. - 25.							C 30. - 31.		
	<b>ENGEL robotics advanced (ERA)</b> Operating of ENGEL robots for advanced users	1.320,-	RC 100		2. - 3.						21. - 23.		11. - 12.			
			RC 200			C 19. - 21. VP 27. - 29.			C 27. - 29.			C 18. - 20.		23. - 25. VP		
	<b>ENGEL robotics expert (ERX)</b> Expert skills for operating ENGEL robots	775,-	RC 200	Dates upon request!												
<b>MAINTENANCE</b>	<b>ENGEL operator maintenance (EOM)</b> Operating ENGEL injection moulding machines for maintenance staff	435,-	CC 200		28.		C 24.				C 28.					
	<b>ENGEL control basics (ECB)</b> Basic knowledge of control technology and engineering for ENGEL injection moulding machines	775,-										11. - 12.				
			CC 200		29.	1.	C 25. - 26.				C 29. - 30.			13. - 14.		
	<b>ENGEL control victory (ECV)</b> Control technology and engineering for ENGEL injection moulding machines up to a clamping force of 4500 kN – for advanced users	435,-	CC 200			6.						5.				
	<b>ENGEL control electric (ECE)</b> Control technology and engineering of fully electric ENGEL injection moulding machines	775,-	CC 200	C 24. - 25.	23. - 24. EM			C 15. - 16.					18. - 19.		4. - 5.	
	<b>ENGEL robotics control (ERC)</b> Control technology and maintenance of ENGEL robots	775,-										13. - 14.				
			RC 200			20. - 21. C 27. - 28.			26. - 27.	C 10. - 11.				19. - 20.		
	<b>ENGEL hydraulic basics (EHB)</b> Basic knowledge of hydraulic components of ENGEL injection moulding machines	435,-								C 24.				C 6. 27.		
	<b>ENGEL hydraulic victory (EHV)</b> Hydraulic systems on ENGEL injection moulding machines up to a clamping force of 4500 kN	435,-				8.				C 25.		7.		C 7. 28.		
	<b>ENGEL hydraulic eodrive (EHE)</b> Servohydraulic systems on ENGEL injection moulding machines	435,-												29.		
<b>ENGEL maintenance victory (EMV)</b> Maintenance of ENGEL injection moulding machines up to a clamping force of 4500 kN	435,-				7.						6.		C 8. 15.			
<b>ENGEL maintenance electric (EME)</b> Maintenance of fully electric ENGEL injection moulding machines	435,-		C 26.				C 17.				20.				6.	
<b>PROCESS TECHNOLOGY</b>	<b>Technology plastic basics (TPB)</b> Basic knowledge about plastics technology for injection molders	775,-										25. - 26.		C 13.		
	<b>Technology plastic advanced (TPA)</b> Identifying and correcting surface and injection errors	775,-										27.		C 14. - 15.		
	<b>Technology mould proving (TMP)</b> Systematic mold trial and proving	775,-														
	<b>Process and quality control (TPQ)</b> Quality assurance at injection moulding	775,-	CC 200			13. - 14.			19. - 20.				C 10. - 11.		11. - 12.	
<b>E-TRAINER LIVE</b>	<b>Sequence programming positions</b> ENGEL CC 200 (machine) (Module 1-2)	245,- (per Modul)	CC 200						12.							
	<b>Sequence programming positions</b> ENGEL RC 200 (robot) (Module 1-4)	245,- (per Modul)	RC 200					15.								
	<b>Mask editor</b> ENGEL CC 200 (1 Module)	245,- (per Modul)	CC 200	Dates upon request!												
	<b>Free programmable inputs/outputs</b> ENGEL CC 200 (1 Module)	245,- (per Modul)	CC 200	Dates upon request!												
	<b>Quality assurance programs</b> ENGEL CC 200 (Module 1-3)	245,- (per Modul)	CC 200	Dates upon request!												
	<b>Customer specific topics</b> ENGEL CC200	590,- (per Modul)		Dates upon request!												

[C] Course offered in Corona. All others in York

[EM] ENGEL e-motion (all-electric injection molding machines)

[EX] ENGEL e-max (all-electric injection molding machines)

[VP] ENGEL viper (The new powerful linear robot)

# Training Team

## Training Team ENGEL North America

### CERTIFIED LEARNING SUCCESS



Highest quality level for trainers and training centers Worldwide.



Mike Dewar  
Training Consulting

Cheryl Rittenhouse  
Training Administrator

Missy Rodriguez  
Training Administrator

Randy Hughes  
Technical Service Rep / Trainer



Scott Rosander  
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York/Pennsylvania

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