

b'train

train'operate LEV2



Because we care

Target group

- ◆ Operating personnel, shift supervisor

Objective

- ◆ You can detect dangers of accidents and minimize them
- ◆ You know the right parameters and corrections to minimize tool wear and reduce the cycle time
- ◆ You know the necessary steps to efficiently change a product
- ◆ You can perform the periodic cleaning and maintenance work to ensure that production on the machine runs as smoothly as possible
- ◆ You can help to shorten downtimes through correct error analysis

Condition

- ◆ Experience in handling of glass
- ◆ Understanding of mechanical processes
- ◆ Experience in operating a PC with a keyboard and mouse

Content

- ◆ Explaining the functions and safety concept with a practical demonstration
- ◆ Explaining the operating software with a practical implementation
- ◆ Product change
- ◆ Process analytics with practical tests in production
- ◆ Saving and restoring parameters and data backup in the machine
- ◆ Explaining all parameters that are important for production
- ◆ Creating a parameter file using a common material as an example
- ◆ Performing corrections and observing the effects
- ◆ Explaining the right tool selection for the corresponding material
- ◆ Detecting process problems in the production file
- ◆ Explaining which periodic cleaning and maintenance work must be performed to ensure production on the machine runs as smoothly as possible
- ◆ Explaining which coolant and lubricant must be provided
- ◆ Explaining an error analysis with a practical implementation

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Training duration and costs

Machine/System	Duration	Amount
◆ champ'speed without drilling machine	2.5 days (19h + 2h)	€ 2.625.–
◆ champ'speed with drilling machine	2.5 days (19h + 2h)	€ 2.625.–

Working hours

◆ Normal working hours	Monday to Friday (up to max. 8 hrs/day)
◆ Overtime	Saturday, Sunday and Night (8.00 p.m. – 6.00 a.m.) € 187.50 / hour

Travel expenses

- ◆ The travel expenses are invoiced according to expenditure

Hotel and expenses

- ◆ Hotel and expenses are invoiced according to expenditure (see country table)
- ◆ Included with a new system installation

Number of participants

- ◆ Minimum 1 participant, Maximum 6 participants

Training location

- ◆ At the machine location
- ◆ A meeting room **with a projector is necessary**
Note: The practical training is performed on the machine / no production

Materials required for the training (provided by the customer)

- ◆ Flip chart
- ◆ Projector
- ◆ Templates and glass for 3 different models
 - Model 1, approx. 15 panes
 - Model 2, approx. 25 panes
 - Model 3, glass goes into production

Day 1		Day 2		Day 3	
Time	Topic	Time	Topic	Time	Topic
8:00 – 8:45	Welcome and General Points on Safety	8:00 – 8:30	Learning Objectives Test – Day 1	8:00 – 8:30	Learning Objectives Test – Day 2
8:45 – 10:15	Description of the Machine	8:30 – 11:00	Process Technology	8:30 – 9:30	Maintenance of the Machine
10:15 – 11:45	Operation of the Machine	11:00 – 13:00	Start Test Production (Model 3)	9:30 – 11:00	Troubleshooting and Fault Analysis
11:45 – 12:45	Lunch break	13:00 – 14:00	Lunch break	11:00 – 12:00	End of Training
12:45 – 14:15	Preparing for Production on Model 1	14:00 – 15:30	Starting and Monitoring Production for Customers		
14:15 – 15:45	Retooling for Model 2 and Production Test Run	15:30 – 16:00	End Production		
15:45 – 16:15	Tidying up and Cleaning	16:00 – 16:30	Tidying up and Cleaning		