

MODULE 2.1 | MAINTENANCE BASIC

Target group:	Maintenance staff
Requirements:	<ul style="list-style-type: none"> ▪ Electrical knowledge ▪ Basic mechanical knowledge
Objective:	<ul style="list-style-type: none"> ▪ Maintenance of igm robot systems ▪ Trouble shooting on igm robot systems
Languages:	<ul style="list-style-type: none"> ▪ German ▪ English
Training duration:	3 days
Training hours:	Weekdays (except Friday), 08:00 a.m. to 04:30 p.m.
Participants:	min. 3 persons, max. 5 persons (trainings for 1 person on demand)
Price:	<p>on demand</p> <p>incl.: documentation (electronic), hospitality and local transportation</p> <p>excl.: hotel, breakfast and dinner</p> <p>A hotel can be organised by igm, please contact us if required</p>

Training content	RTe4xx K6
Safety instructions	X
Basic general view, handing over the training documentation (electronic)	X
Explanation of the components of igm robot installations	X
Explanation network design and bus systems	X
Switch on of the installation	X
Adjustment of the TCP	X
Correction of offset and the pinning of the axes	X
Explanation and reading of igm circuit diagrams	X
Measure of all important voltages of the robot installation	X
Explanation of search-functions gas-nozzle-sensing, seam-sensing	X
Exchange of different control cabinet parts (e.g. servo, fan, PC)	X
Explanation of the components – igm ID-number system – order numbers	X
Exchange of robot motors (simulation)	X
Exchange of torch, hose-package	X
Exchange wear parts of torch and hose-package	X
Exchange magnetic torch safety, or lead through	X
Explanation of TPS or TPSi power source and the most important menus	X
Explain the components of axes 4, 5 and 6	X
Save and load servo parameter with K6 (via K6-Config)	X
Backup a K6Pack and Snapshot	X
Programming of a reference program	X
Maintenance of an igm system	X
Trouble shooting on the installation	X