

MODULE 1.1 | PROGRAMMING BASIC

Target group:	Future operators and programmers
Requirements:	Welding knowledge (advisable) No special previous knowledge of computer programming necessary
Objective:	<ul style="list-style-type: none"> ▪ Operating on igm robot systems ▪ Basic programming of igm robot systems
Languages:	<ul style="list-style-type: none"> ▪ German ▪ English
Training duration:	5 days
Training hours:	Monday to Thursday, 08:00 a.m. to 04:30 p.m. Friday, 08:00 a.m. to 12 a.m.
Participants:	min. 3 persons, max. 5 persons (trainings for 1 person on demand)
Price:	on demand incl.: documentation (electronic), hospitality and local transportation excl.: hotel, breakfast and dinner A hotel can be organised by igm, please contact us if required

Training content	RTi4xx K5	RTe4xx K6
Safety instructions	X	X
Basic general view, handing over the training documentation (electronic)	X	X
Explanation of the components of igm robot installations	X	X
Explanation of the teach pendant	X	X
Switch on of the installation	X	X
Explanation and calibration of the axes	X	X
Adjustment of the TCP	X	X
Explanation of the movement types and of the coordinate system	X	X
Creation of a program	X	X
Programming of circles and straight seams	X	X
Explanation of linear and nonlinear TCP movements	X	X
Inserting, deleting and correcting of steps	X	X
Creation of welding parameters, welding requests (without process)	X	X
Multilayer non-split, end crater, seam sensing functions	X	X
Gas nozzle searching, program shifting, Single Point Search (SPS)	X	X
Program calls	X	X
Loading and saving options	X	X
Explanation of the operating panel EDS	X	X
Creation of K5/K6 Pack	X	X
Saving of parameters	X	X
Useful exercises on work pieces	X	X