

Weld Length Check Function

For YRC1000 and teach pendant



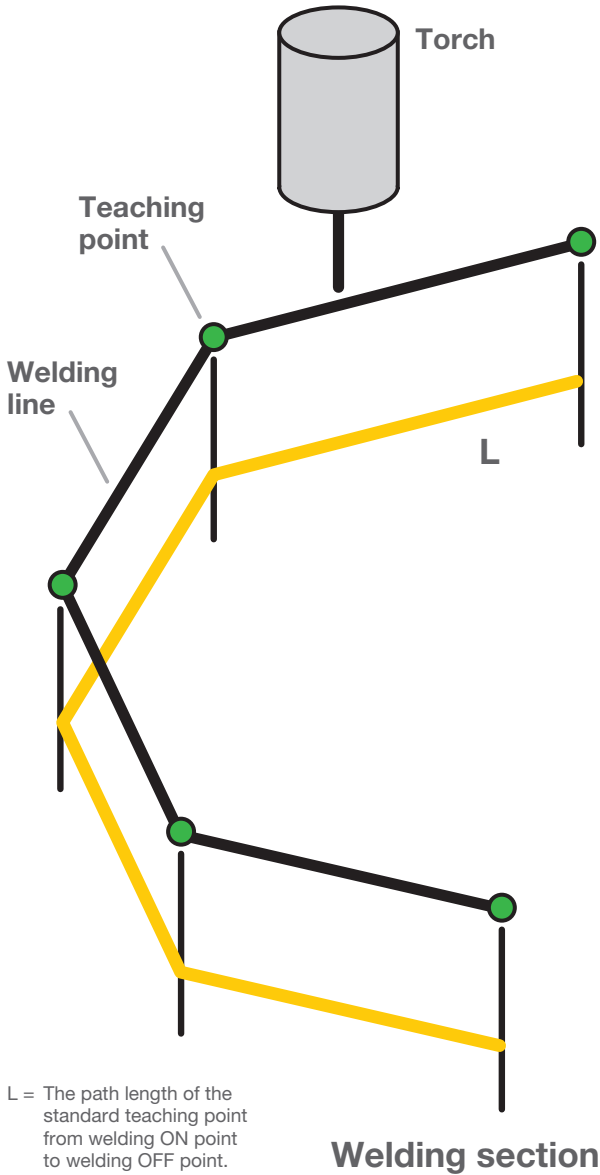
The Weld Length Check Function is a tool to control weld quality by checking the weld start point and weld length.

The user can see via a simple list on the teach pendant if there is a deviation in the weld and react to it. The tolerances for the function can be defined by the user within a certain setting range. The function compares the previously programmed path between Arc-on and Arc-of with the actual path of the robot.

KEY BENEFITS

- Quality assurance
- Simple checking of weld seam lengths
- Error prevention when changing weld seams
- Detection of tolerance deviation of welds that are too long or too short

Weld Length Check Function



Weld Length Check Function	
Product Description	Weld Length Check Function avoids welding quality to be worsen when teaching or modifying the weld length by checking welding start points / weld length. This function verifies if an error of weld length is within allowable range or not. The setting data for weld length check can be loaded/saved by external memories.
Typical Applications	ARC Welding
Limitations	Weaving not possible Only for YRC1000
SAP	227880
Product	Fkt YRC1000 Weld length check function

Setting weld length check

FILE	ACTIVATED	LENGTH	POSITION	COMMENT
1	NO	NONE	NONE	
2	NO	NONE	NONE	
3	NO	NONE	NONE	
4	NO	NONE	NONE	
5	NO	NONE	NONE	
6	NO	NONE	NONE	
7	NO	NONE	NONE	
8	NO	NONE	NONE	
9	NO	NONE	NONE	
10	NO	NONE	NONE	
11	NO	NONE	NONE	
12	NO	NONE	NONE	
13	NO	NONE	NONE	

The weld length check result appears in a window

FILE	ACTIVATED	LENGTH	POSITION	COMMENT
1	YES	OK	OK	STRAIGHT
2	NO	NONE	NONE	
3	NO	NONE	NONE	
4	NO	NONE	NONE	
5	NO	NONE	NONE	
6	NO	NONE	NONE	
7	NO	NONE	NONE	
8	NO	NONE	NONE	
9	NO	NONE	NONE	
10	NO	NONE	NONE	
11	NO	NONE	NONE	
12	NO	NONE	NONE	
13	NO	NONE	NONE	
14	NO	NONE	NONE	

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