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| **Contact information Customer** |
| **Customer:** |       | **Branch:**  |       |
| **Street:** |       | **No.:** |       |
| **ZIP code.:** |       | **City.:** |       |
| **Country:** |       | **Phone:** |       |
| **Email:** |       | **Fax:** |       |
| **Web:** |       | **Mobile** |       |
| **Responsible:** |       | **Date:** | 02.03.2016 |

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| **Author SMBS** |       |

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| **Contact information internal** |
| **CLOOS Department:** |       | **Project engineer:** |       |

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| **Contact information external** |
| **CLOOS representative:** |       | **Project engineer:** |       |

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| **Information on the demonstration** |
| **Requested date:** |       | **Contact number:** |       |
| **Demonstration:** | with customer [ ]  | without customer [ ]  | internal [ ]  |
| **Application:** | Robot [ ]  | Conventional [ ]  | Manual [ ]  |
| **Programming:** | Teach In [ ]  | Roboplan [ ]  | Miscellaneous [ ]  |
| Sensor technology: | Yes [ ]  No [ ]  |       |
| **Calculation:** | Yes [ ]  No [ ]  | **Order No:** |       |
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| **Information on the component** |
| **Designation:** |       | **Type:** |       |
| **Drawing available:** | Yes [ ]  No [ ]  | **Drawing no.:** |       |
| **Basic material 1:** |       | **Basic material 2:** |       |
| Component tolerance: |       | **Workpiece tolerance**: |       |
| Secrecy: | Yes [ ]  No [ ]  | Special agreement: |       |

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| **Information on the welding process** |
| **Welding process:***DIN 1910**DIN EN 24063* | 131 - MIG [ ]  | 135 - MAG [ ]  | 141 - WIG [ ]  |
| 15 - Plasma [ ]  | 311 - Gas [ ]  | 751 - Laser [ ]  |
| **CLOOS welding process:** | Control Weld [ ]  | Vari Weld [ ]  | Cold Weld [ ]  |
| Speed Weld [ ]  | Rapid Weld [ ]  | Tandem Weld [ ]  |
| Laser-Hybrid Weld [ ]  | Narrow gap [ ]  |       [ ]  |
| Plasma-Hybrid [ ]  | PPAW [ ]  | Miscellaneous [ ]  |
| **Options:** | Cold wire [ ]  | Hot wire [ ]  | Without adding [ ]  |
| Brazing [ ]  | Cutting [ ]  | Milling [ ]  |
| **Filler metal:** |       | **Wire diameter:** |       |
| **Shielding gas:** |       |
| **With forming gas:** | Yes [ ]  No [ ]  | **Forming gas:** |       |
| **With gas shower:** | Yes [ ]  No [ ]  |  |  |
| **Preheating:** | Yes [ ]  No [ ]  | **Temperature:** |        °C |
| **Post-heating:** | Yes [ ]  No [ ]  | **Temperature:** |        °C |
| **t 8/5 time:** |       Temp. | **Intermediate temp.:** | max.:       °C |

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| **Informations on the planned system concept** |
| **System concept Planned?** | Yes [ ]  | No [ ]  | Description |       |

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| **Note** |
| **Comments,** **additions,****notes, etc.** |       |

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| **Required sensor technology** |
| **Tactile:** | Gas nozzle [ ]  | Probe-tip [ ]  | Wire [ ]  |
| HSK-suchenX2 | Taststift | tick13 |
|  |
| **Analogue:** | Arc [ ]  | Analogue probe-tip [ ]  | Miscellaneous [ ]  |
| cloos_323 | ANALOG-S | If YES, which? |
|  |
| **Laser:** | iCSE [ ]  | iCSE LD [ ]  | CST Flex [ ]  |
| IMG_3688f | cloos_326 | cloos_333 |
|  |
| **Notes:** * Surface appearance:
	+ grinded
	+ brushed
	+ polished
	+ etc.
* Tolerances:
	+ Material thickness
	+ Edge offset
	+ Gap width
	+ Seam width
	+ Opening angle
	+ Chamfer angle
	+ etc.
* Miscellaneous:
 |       |

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| **If technical drawing is not available, please complete the following data.** |
| **Requirements for the weld seams** |
| **Execution according to standard:** | DIN-EN 25817 [ ]  | **Design Class:** | B [ ]  C [ ]  D [ ]  |
| Customer Norm [ ]  | **Norm(name):** |       |
| **Test:** | Macrosection [ ]  | Macro photo [ ]  | Miscellaneous [ ]  |
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|  |  |  |  |
|  |
| **Weld shape:** | Flange weld [ ]  | I weld [ ]  | V weld [ ]  |
|  |  |  |
| **Weld position:** |       |       |       |
| **[ ] A-dimension: [ ] Z-dimension:** |       |       |       |
| **Multilayer:** | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  |
|  |
| **Weld shape:** | HV weld [ ]  | Y weld [ ]  | HY weld [ ]  |
|  |  |  |
| **Weld position:** |       |       |       |
| **[ ] A-dimension [ ] Z-dimension:** |       |       |       |
| **Multilayer:** | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  |
|  |
| **Weld shape:** | U weld [ ]  | HU weld [ ]  | Backweld [ ]  |
|  |  |  |
| **Weld position:** |       |       |       |
| **[ ] A-dimension: [ ] Z-dimension:** |       |       |       |
| **Multilayer:** | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  |
|  |
| **Requirements for the weld seams** |
| **Weld shape:** | Fillet weld [ ]  | Plug weld [ ]  | Spot weld [ ]  |
|  |  |  |
| **Weld position:** |       |       |       |
| **[ ] A-dimension: [ ] Z-dimension:** |       |       |       |
| **Multilayer:** | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  |
|  |
| **Weld shape:** | Line weld [ ]  | Square-edge weld [ ]  | H-square-edge weld [ ]  |
|  |  |  |
| **Weld position:** |       |       |       |
| **[ ] A-dimension: [ ] Z-dimension:** |       |       |       |
| **Multilayer:** | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  |
|  |
| **Weld shape:** | Edge weld [ ]  | Surfacing weld [ ]  | Lap weld [ ]  |
|  |  |  |
| **Weld position:** |       |       |       |
| **[ ] A-dimension: [ ] Z-dimension:** |       |       |       |
| **Multilayer:** | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  |
|  |
| **Weld shape:** | Inclined weld [ ]  | Profile weld [ ]  | Miscellaneous [ ]  |
|  |  |       |
| **Weld position:** |       |       |       |
| **[ ] A-dimension: [ ] Z-dimension:** |       |       |       |
| **Multilayer:** | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  | Yes [ ]  No [ ]  |