|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | | | |
| **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 |