Application Evaluation Form

Thank you for your interest in our products. In order to evaluate your application and to provide you with the best possible service it would be helpful, if you could supply us with answers to the following questions.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Customer Details | | | | | | |
| Contact Name | | |  | | | |
| Company | | |  | | | |
| Street Address | | |  | | | |
| City | | |  | Province/State/County | |  |
| Postal Code | | |  | Country | |  |
| Phone | | |  | Mobile Phone | |  |
| Fax | | |  | | | |
| e-mail | | |  | | | |
| web site | | |  | | | |
| Project description | | |  | | | |
| Application specifics | | | | | | |
| 1. Industry | | | | | | |
|  | Tube and pipes | | |  | Automotive | |
|  | Aerospace | | |  | Railway | |
|  | Heavy vehicles | | |  | Ship building | |
|  | Containers and vessels | | |  | Construction | |
|  | Other (specify) |  | | | | |
|  | | | | | | |

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| 2. Process properties | | | | | | | | | | |
| a. Arc welding | | | | | | | | | | |
|  | MIG/MAG |  | Solid wire |  | Twin arc |  | | FCAW |  | FCAW |
|  | Plasma |  | Cold wire |  | Hot wire |  | | Other |  | Other |
|  | TIG |  | Cold wire |  | Hot wire |  | | Other |  | Other |
|  | SAW |  | 1-wire |  | 2-wires |  | | 3-wires |  | 3-wires |
| b. Laser applications | | | | | | | | | | |
|  | Laser welding | |  | Filler wire | | | | | | |
|  | Laser brazing | | | | | | | | | |
| c. Other welding applications | | | | | | | | | | |
|  | Electron beam | | | | | | | | | |
|  | Other (specify) | | | | | | | | | |
| d. Non-welding applications | | | | | | | | | | |
|  | Gluing | | | | | | | | | |
|  | Other (specify) | | | | | | | | | |
|  | | | | | | | | | | |
| 3. Weld parameters | | | | | | | | | | |
|  | | | | Min | | | Max | | | |
| Welding speed | | | |  | | |  | | | |
| Welding current | | | |  | | |  | | | |
| Welding voltage | | | |  | | |  | | | |
| Wire feed speed | | | |  | | |  | | | |
| Laser power | | | |  | | |  | | | |

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| 4. Joint/seam type | | | | | | |
|  | Left Lap |  | Right Lap | | | |
|  | |  | | | | |
|  | Butt |  | Butt GM (Gap-Mismatch) | | | |
|  | | Minimum gap (mm) | |  | Maximum gap(mm) |  |
|  | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Fillet |  | External Fillet |
|  | |  | |
|  | Left Edge |  | Right Edge |
|  | |  | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | V - Groove |  | Height only |
|  | |  | |
|  | Narrow Groove/Deep Groove – Multipass Application | | |
|  | | | |

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| --- | --- |
|  | Other (please specify and sketch, if possible please include a photo of the joint/seam) |
|  | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5. Base material thickness and dimensions of joint/feature (please sketch joint with maximum and minimum dimensions) | | | | |
| See above | | | | |
| 6. Preparation | | | | |
|  | Machined |  | | Sheared |
|  | Flame cut |  | | Laser cut |
|  | Water jet |  | | Ground |
|  | Other (please specify) | | | |
|  | | | | |
| 7. Base Material | | | | |
|  | Mild steel |  | | Stainless steel |
|  | Aluminium |  | | Copper |
|  | Other (please specify) | | | |
|  | | | | |
| 8. Surface conditions | | | | |
|  | Painted | |  | matt |
|  | Highly reflective | |  | brushed |
|  | Ground | |  | Wire brush marks |
|  | Other (please specify) | | | |
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| 8. Ambient environment | | | | | | | | | | | | | | | | | | | | | |
| Minimum temperature (Fahrenheit or Celsius) | | | | |  | | | | | | | | Maximum Temperature | | | | | | |  | |
| Humidity | | | | |  | | condensing | | | | | |  | non-condensing | | | | | | | |
| 9. Type of welding machine | | | | | | | | | | | | | | | | | | | | | |
|  | Robot; make | |  | | | | | | | | Model | | | |  | | | | | | |
| Controller version | | |  | | | | | | | | Serial number | | | |  | | | | | | |
| Interface type | | | | | | | | | | | | | | | | | | | | | |
|  | Analogue |  | | digital | | | |  | | serial | | |  | Ethernet | | |  | | other (please specify below) | | |
|  | | | | | | | | | | | | | | | | | | | | | |
|  | Column and Boom | | | | |  | | | | | Model | | | | | |  | | | | |
| Controller version | | | | | |  | | | | | Serial number | | | | | |  | | | | |
| Interface type | | | | | | | | | | | | | | | | | | | | | |
|  | Analogue |  | | digital | | | |  | | serial | | |  | Ethernet | |  | | other (please specify below) | | | |
|  | | | | | | | | | | | | | | | | | | | | | |
|  | Spiral pipe | | | | | | | | | | |  | | Longitudinal pipe | | | | | | | |
|  | Tube | | | | | | | | | | |  | | Other tube/pipe (please specify below | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | |
|  | Are cross slides used? | | | | | | | | | | | | | | | | | | | | |
|  | Meta cross slides required | | | | | | | | Travel (mm/inches) | | | |  | | | | Load carrying capacity (kg/lb) | | | |  |

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| Desired Sensor Function | | | | | |
|  | Seam/feature finding |  | vertical |  | horizontal |
|  | Seam/feature tracking |  | vertical |  | horizontal |
|  | Gap measurement |  | depth measurement |  | mismatch measurement |
|  | Post weld inspection | | | | |
|  | Gap control | | | | |
|  | Multipass calculation and seam tracking | | | | |
|  | Other (please specify) | | | | |

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| Expected Returns | |
|  | Higher cycle times |
|  | Increased productions |
|  | Cost savings |
|  | Quality improvements |
|  | Less scrap |
|  | Less rework |
|  | Better and more consistent welds, higher accuracy |
|  | Other, please specify |

|  |  |
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| How did you hear of us ? | |
|  | Internet search engine (which?) |
|  | Internet publication, which web site? |
|  | Recommendations from existing Meta users |
|  | Exhibition (which?) |
|  | Magazine (which?) |
|  | Other, please explain |

Thank you for taking the time to complete this form. Please fax it to Meta Vision Systems Ltd at +44 1865 887 901 or send it per e-mail to [sales@meta-mvs.com](mailto:sales@meta-mvs.com). One of our engineers will be getting in touch with you shortly to discuss your application.