

# Invitation to Quote

Questions

**Invitation to Quote (ITQ) on behalf of Science & Technology  
Facilities Council**

**Subject RE17229 – Stencil Printer**

**Sourcing reference number RE17229**

**UK Shared Business Services Ltd (UK SBS)**  
[www.uksbs.co.uk](http://www.uksbs.co.uk)

Registered in England and Wales as a limited company. Company Number 6330639.  
Registered Office Polaris House, North Star Avenue, Swindon, Wiltshire SN2 1FF  
VAT registration GB618 3673 25  
Copyright (c) UK Shared Business Services Ltd. 2014

**UKSBS**  
*Shared Business Services*

## **Section 6 – Evaluation questionnaire**

Bidders should note that the evaluation questionnaire is located within the **e-sourcing questionnaire**.

Guidance on completion of the questionnaire is available at <http://www.uksbs.co.uk/services/procure/Pages/supplier.aspx>

**PLEASE NOTE THE QUESTIONS ARE NOT NUMBERED SEQUENTIALLY**

## COMMERCIAL QUESTIONNAIRE

<b>SEL1.1</b>	<b>Please state the full legal name and address and contact details of the organisation tendering (or organisation acting as lead contact where a consortium bid is being submitted).</b>																								
Bidder guidance	The information should be based on the details of the organisation bidding (or organisation acting as lead contact where a consortium bid is being submitted). This is the legal entity with whom we will Contract if successful.																								
Scoring criteria	For information only																								
Bidder response	<table border="1"> <tr> <th colspan="2">Table</th> </tr> <tr> <td>Bidders full legal name</td> <td></td> </tr> <tr> <td>Address line 1</td> <td></td> </tr> <tr> <td>Address line 2</td> <td></td> </tr> <tr> <td>Address line 3</td> <td></td> </tr> <tr> <td>Address line 4</td> <td></td> </tr> <tr> <td>Town / City</td> <td></td> </tr> <tr> <td>Country</td> <td></td> </tr> <tr> <td>Post code (or equivalent)</td> <td></td> </tr> <tr> <td>Bidder contact</td> <td></td> </tr> <tr> <td>Telephone No.</td> <td></td> </tr> <tr> <td>Email</td> <td></td> </tr> </table>	Table		Bidders full legal name		Address line 1		Address line 2		Address line 3		Address line 4		Town / City		Country		Post code (or equivalent)		Bidder contact		Telephone No.		Email	
Table																									
Bidders full legal name																									
Address line 1																									
Address line 2																									
Address line 3																									
Address line 4																									
Town / City																									
Country																									
Post code (or equivalent)																									
Bidder contact																									
Telephone No.																									
Email																									

<b>SEL1.2</b>	<p><b>In the last three years, has any finding of unlawful discrimination been made against your organisation by an Employment Tribunal, an Employment Appeal Tribunal or any other court (or in comparable proceedings in any jurisdiction other than the UK)? And/or;</b></p> <p><b>In the last three years, has your organisation had a complaint upheld following an investigation by the Equality and Human Rights Commission or its predecessors (or a comparable body in any jurisdiction other than the UK), on grounds of alleged unlawful discrimination?</b></p>
Bidder guidance	<p>The Bidder shall answer <b>Yes</b> or <b>No</b></p> <p><b>Yes</b> – Fail</p> <p><b>No</b> – Pass</p> <p>*If you have answered “yes” please provide, as an attachment to this question, a summary of the nature of the investigation and an explanation of the outcome of the investigation to date.</p> <p>If the investigation upheld the complaint against your organisation, please use the attachment to explain what action (if any) you have taken to prevent unlawful discrimination from reoccurring.</p> <p>You may be excluded if you are unable to demonstrate to the Contracting Authority’s satisfaction that appropriate remedial action has been taken to prevent similar unlawful discrimination reoccurring.</p>
Scoring Criteria	Mandatory Pass / Fail
Bidder response	Yes / No

<b>SEL3.11</b>	<b>If you are Commercial organisation with a minimum financial turnover of £36M, please confirm that you are compliant with Section 54 of the Modern Slavery Act 2015.</b>
Bidder guidance	The Bidder shall choose from the following options; A. N/A – our turnover is less than £36M B. Yes – information attached C. No (with justification) – we are not compliant but will be prior to commencement of a contract D. No – we are not and will not be compliant at the time of award of the contract
Scoring Criteria	Mandatory Pass/ Fail
Bidder response	Selection

<b>FOI1.1</b>	<b>FREEDOM OF INFORMATION ACT 2000 (FOI) AND / OR ENVIRONMENTAL INFORMATION REGULATIONS 2004 (EIR)</b> Information provided in the course of the procurement process may be disclosed under Freedom of Information Act 2000 or Environmental Information Regulations 2004 if requested under an FOI request or EIR request. Please note that some of the information provided may be protected under the FOI Act exemptions and EIR Exceptions. More information on applying the exemptions or exceptions can be found under the Information Commissioners Office (ICO) website <a href="http://ico.org.uk">http://ico.org.uk</a> Please confirm you have been informed that information provided under this Bid may be disclosed under the FOI Act 2000 and Environmental Information Regulations 2004 and agree to it being published irrespective of submitting a successful or unsuccessful Bid.
Bidder guidance	The Bidder shall answer <b>Yes</b> or <b>No</b> <b>Yes</b> – Pass <b>No</b> – Fail
Scoring criteria	Mandatory Pass / Fail
Bidder response	Yes / No

<b>FOI1.2</b>	<b>FREEDOM OF INFORMATION ACT 2000 (FOI) AND / OR ENVIRONMENTAL INFORMATION REGULATIONS 2004 (EIR) EXEMPTIONS</b> Please complete this section <u>only</u> if you have agreed for your information to be disclosed under the FOI Act or EIR in Question FOI1.1. If you have not agreed to your information to be disclosed under the FOI Act or EIR in Question FOI1.1 please complete a field 'N/A' (Not applicable) If you have agreed for your information to be disclosed under the FOI Act or EIR in Question FOI1.1 please tell us what exemptions or exceptions may apply to your information and why? If you are not relying on any exemptions or exceptions please complete each field 'N/A' (Not applicable)
Bidder guidance	The Bidder shall provide details of their proposed exemptions/exception in the table below.

	<p>The Bidder (irrespective of submitting a successful or unsuccessful Bid) shall note that if the Contracting Authority believes that the suggested Exemptions or Exceptions have not been applied properly as per the Act or Regulation, the Contracting Authority will disclose the requested information unless another exemption or exception can be applied by the Contracting Authority.</p> <p>Be aware that by completing FOI1.1 and answering 'Yes' you have agreed for UK SBS to disclose the provided information under the Freedom of Information Act 2000 or Environmental Information Regulation 2004, therefore you will not be approached for consent.</p>	
Scoring criteria	For information only	
Bidder response	Confidential Information	Justification for exemption/exception under FOI Act
	Commercially sensitive information	Justification for exemption/exception under FOI Act

<b>AW1.1</b>	<p><b>FORM OF BID</b></p> <p><b>I declare that to the best of my knowledge the answers submitted in this ITQ are correct. I understand that the information will be used in the process to assess my organisation's suitability to be invited to bid for the Contracting Authority's requirement and I am signing on behalf of my organisation. I understand that the Contracting Authority may reject this ITQ if there is a failure to answer all relevant questions fully or if I provide false/misleading information.</b></p> <p><b>I understand that the Government's transparency agenda requires that sourcing documents, including ITQ templates such as this, are published on a designated, publicly searchable web site, and, that the same applies to other sourcing documents issued by the Contracting Authority, including the ITQ, and any contract entered into by the Contracting Authority or its customers with its preferred supplier once the procurement is complete.</b></p> <p><b>By submitting a response to this ITQ I agree that our participation may be made public.</b></p> <p><b>I understand that the answers given in this response will not be published on the web site (but may fall to be disclosed under Freedom of Information Act 2000 or Environmental Information Regulations 2004).</b></p> <p><b>By submitting a response to this ITQ I agree and accept the justification for the Contracting Authority's evaluation criteria.</b></p> <p><b>By submitting a response to this ITQ I agreed and accept that the Contracting Authority reserves the right to change without notice the procedure for awarding the Contract, to reject any or all bids for the Contract, to stop the process and not award the Contract (in whole or in part) at any time without any liability on its part.</b></p> <p><b>By submitting a response to this ITQ I agree and accept that nothing in this process is intended to form any express or implied contractual relationship between the Parties unless and until a Contract is</b></p>
--------------	--

	<p>awarded. The Contracting Authority is not liable for any costs resulting from cancellation of this process nor any costs incurred by Bidders taking part in this procurement process.</p> <p>I understand that where sourcing documents issued by the Contracting Authority or contracts with its suppliers fall to be disclosed the Contracting Authority will redact them as it thinks necessary, having regard (inter alia) to the exemptions/exceptions in the FOIA or EIR.</p>
Bidder guidance	<p>The Bidder shall answer <b>Yes</b> or <b>No</b></p> <p><b>Yes</b> – Pass</p> <p><b>No</b> – Fail</p>
Scoring criteria	Mandatory Pass / Fail
Bidder response	Yes / No

<b>AW1.3</b>	<p><b>CERTIFICATE OF BONA FIDE BID</b></p> <p>The essence of procurement is that the customer shall receive bona fide competitive Bids, from all those Bidding. In recognition of this principle, we certify that this is a bona fide bid, intended to be competitive and that we have not fixed or adjusted the amount of bid by or under or in accordance with any agreement with any other person.</p> <p>We also certify that we have not done and we undertake that we will not do at any time before the hour and date specified for the return of this bid any of the following:</p> <ul style="list-style-type: none"> <li>(a) Communicate to a person other than the person calling for these bids the amount or approximate amount of the proposed bid, except where the disclosure, in confidence, of the approximate amount of the bid was necessary to obtain insurance premium quotations for the preparation of the bid;</li> <li>(b) Enter into any agreement or arrangement with any other person that he shall refrain from bidding or as to the amount of any bid to be submitted;</li> <li>(c) Offer to pay or agree to pay or give any sum of money or valuable consideration directly or indirectly to any person for doing or having done or causing or have caused to be done in relation to any other bid or proposed bid for the said supply / service any act or thing of the sort described above.</li> </ul> <p>In this certificate, the word "person" includes any persons and any body or association, corporate or unincorporated, and any "agreement or arrangement" includes any such transaction, formal or informal, and whether legally binding or not. We acknowledge that the Contracting Authority will be entitled to cancel the contract and to recover from us the amount of any loss resulting from such cancellation if we or our representatives (whether with our without our knowledge) shall have practiced collusion in Bidding for this contract or any other contract with the Contracting Authority or shall employ any corrupt or illegal practices either in the obtaining or execution of this contract or any other contract with the Contracting Authority. We agree that the Contracting Authority may disclose the Bidders information/documentation (submitted to the Contracting Authority during this Procurement) more widely within Government for the purpose of ensuring effective cross-Government procurement processes, including value for money and related purposes.</p>
Bidder guidance	<p>The Bidder shall answer <b>Yes</b> or <b>No</b></p> <p><b>Yes</b> – Pass</p> <p><b>No</b> – Fail</p>
Scoring criteria	Mandatory Pass / Fail
Bidder response	Yes / No

AW3.1	<p><b>In the event of a Bidder successfully providing the most advantageous offer to the Contracting Authority against a procurement requirement, the Bidder is expected to provide an answer to the attached questions as a validation check prior to the award of any Contract.</b></p> <p><b>If the Bidder fails to meet the Contracting Authority’s expectations we reserve the right to not award the Contract to the relevant Bidder and either award to the Bidder with the second most advantageous response or run a new procurement.`</b></p> <div style="text-align: center;">         AW3.1 ITQ        Validation check.doc     </div>
Bidder guidance	<p>The Bidder is not required to complete the validation check at this stage but will be required to respond to the questions in the event of providing the most advantageous offer to the Contracting Authority’s against a procurement requirement.</p> <p><b>Yes – Pass</b>  <b>No – Fail</b></p>
Scoring criteria	Mandatory Pass / Fail
Bidder response	Yes I have understood that I need to complete the validation check in the event of providing the most advantageous offer to the Contracting Authority against a procurement requirement.

AW4.1	<p><b>Please confirm your acceptance of the attached Contract Terms.</b></p> <div style="text-align: center;">         RE17229 Terms and        Conditions.pdf     </div>
Bidder guidance	<p>The Bidder shall answer <b>Yes, No with justification</b> or <b>No</b></p> <p><b>Yes – Pass</b>  <b>No with justification – Pass.</b> See question AW4.2 for details of what amounts to a valid justification.  <b>No – Fail</b></p>
Scoring criteria	Mandatory Pass / Fail
Bidder response	Drop down menu - Yes, No with justification, No

AW4.2	<p><b>Where a Bidder has answered question AW4.1 with ‘no with justification’ they must detail the justification and the proposed change to the clause.</b></p>
Bidder guidance	<p>A justification for not accepting a specific clause or series of clauses from the attached Contract Terms is that the Bidder would be in breach of legal requirements or statutory regulations by complying with that clause or series of clauses (i.e. for the avoidance of doubt, being unable to comply with a clause or series of clauses because of an internal policy reason will</p>

	<p>not be considered to be a justification for a legal requirement or statutory regulation).</p> <p>Where the Bidder has answered question AW4.1 as "no with justification", the Bidder shall provide a Contract mark-up utilising track changes detailing the relevant clause, the proposed changes to the clause and the justification for the changes. In this case, the Bidder shall score a pass if (but only if) the Contracting Authority considers both the following requirements are satisfied:</p> <ul style="list-style-type: none"> <li>• the reasons stated as justifying the Bidder's statement that it cannot accept the Contract Terms due to legal requirements or statutory regulations are valid; and</li> <li>• the changes submitted do not create significant risk for the Contracting Authority and are reasonably necessary and proportionate to ensure the Bidder complies with the legal requirements and statutory regulations.</li> </ul> <p>Where a Bidder has answered Question AW4.1 with 'Yes' or 'No' it must answer 'not applicable' to achieve a Pass to question AW4.2 (noting that an answer of 'No' to question AW4.1 has already resulted in a fail). In the event of a Bidder answering Yes or No to Question AW4.1 and then providing a proposed mark up, rejection of a clause or a justification for a change then the response will be a Fail.</p>
Scoring criteria	Mandatory Pass / Fail
Bidder response	<p>Drop down menu 'N/A' 'I have answered AW4.1 'No with justification' and attach modifications / requested / justification'.</p>

## PRICE QUESTIONNAIRE

AW5.2	<p><b>Bidders are required to confirm their firm and fixed price for their proposed Stencil Printer.</b></p> <p><b>All prices shall be exclusive of VAT.</b></p> <p><b>All costs appearing elsewhere in the Bid shall be presumed waived.</b></p>																								
Bidder guidance	<p>Bidders shall confirm their firm and fixed price for their proposed Stencil Printer.</p> <p>The scoring methodology for this question shall be: The lowest price for a response which meets the pass criteria shall score 100.</p> <p>All other bids shall be scored on a pro rata basis in relation to the lowest price. The score is then subject to a multiplier to reflect the percentage value of the price criterion.</p> <p>Where the scoring criterion is worth 50% then the 0-100 score achieved will be multiplied by 50</p> <p>In the example if a supplier scores 80 from the available 100 points this will equate to 40% by using the following calculation: Score/Total Points multiplied by 50 (<math>80/100 \times 50 = 40</math>)</p> <p>The lowest score possible is 0 even if the price submitted is more than 100% greater than the lowest price.</p> <p>The lowest price for a response which meets the pass criteria shall score 100. All other bids shall be scored on a pro rata basis in relation to the lowest price. The lowest score possible is 0.</p> <p>For example, assuming the lowest bid is £100,000.</p> <table border="1" data-bbox="432 1368 1402 1715"> <thead> <tr> <th>Bid Price</th> <th>Differential to the lowest price which meets the mandatory pass criteria</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>£100,000</td> <td>0</td> <td>100</td> </tr> <tr> <td>£120,000</td> <td>20%</td> <td>80</td> </tr> <tr> <td>£140,000</td> <td>40%</td> <td>60</td> </tr> <tr> <td>£150,000</td> <td>50%</td> <td>50</td> </tr> <tr> <td>£175,000</td> <td>75%</td> <td>25</td> </tr> <tr> <td>£200,000</td> <td>100%</td> <td>0</td> </tr> <tr> <td>£300,000</td> <td>200%</td> <td>0</td> </tr> </tbody> </table>	Bid Price	Differential to the lowest price which meets the mandatory pass criteria	Score	£100,000	0	100	£120,000	20%	80	£140,000	40%	60	£150,000	50%	50	£175,000	75%	25	£200,000	100%	0	£300,000	200%	0
Bid Price	Differential to the lowest price which meets the mandatory pass criteria	Score																							
£100,000	0	100																							
£120,000	20%	80																							
£140,000	40%	60																							
£150,000	50%	50																							
£175,000	75%	25																							
£200,000	100%	0																							
£300,000	200%	0																							
Scoring criteria	Maximum Marks <b>20%</b>																								
Bidder response	Yes																								
PROJ2.1	<p><b>Bidders are asked to provide a full breakdown of costs to detail their response price within question AW5.2.</b></p>																								
Bidder guidance	Bidders are required to provide a full breakdown of costs to detail their response price within question AW5.2.																								

	<p>Bidders must ensure that their breakdown includes details of all elements covered within their response to the quality questions and the specification.</p> <p>An attachment is allowed for this question.</p> <p>The Bidder shall make a declaration that they have provided the requested information in the form and content as required.</p>
Scoring criteria	For Information Only
Bidder response	Text

<b>AW5.5</b>	<p><b>The Contracting Authority is committed to delivering payments to suppliers within the timescales stated within our Contract terms and intend to embrace e-invoicing.</b></p> <p><b>There are a number of options for suppliers to choose from outlined in the attached FAQ. Please confirm your acceptance of e-payment.</b></p> <p> AW5.5 ISupplier fact sheet.pdf</p> <p><b>ADI Consolidated Data Upload ISupplier</b></p>
Bidder guidance	<p>The Bidder shall answer Yes or No</p> <p><b>Yes</b> – we will utilise an e-invoicing option - Pass <b>No</b> – we will not utilise an e-invoicing option - Fail</p>
Scoring criteria	Mandatory Pass / Fail
Bidder response	Yes / No

<b>AW5.6</b>	<p><b>Please confirm if you are successfully awarded this contract your implementation team will work with the Contracting Authority to ensure that e-invoicing is established within 28 days of Contract award by the Contracting Authority.</b></p>
Bidder guidance	<p>The Bidder shall answer <b>Yes</b> or <b>No</b></p> <p><b>Yes</b> – Pass <b>No</b> – Fail</p>
Scoring criteria	Mandatory Pass / Fail
Bidder response	Yes / No

## QUALITY QUESTIONNAIRE

<b>AW6.1</b>	<b>Please confirm your compliance to the requirements of Section 4 Specification</b>
Bidder guidance	The Bidder shall answer <b>Yes</b> or <b>No</b>  <b>Yes</b> – Pass <b>No</b> – Fail
Scoring criteria	Mandatory Pass / Fail
Bidder response	<b>Yes / No</b>

<b>PROJ6.1</b>	<b>Is the mechanical encoder capable of an alignment resolution down to 0.5µm?</b>  <b>Bidder to confirm the alignment resolution (step size for mechanical encoder)</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• 2µm &gt; spec &gt; 1µm – Score 50</li> <li>• 1µm &gt;= spec &gt;= 0.5µm – Score 75</li> <li>• Spec &lt; 0.5µm – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.36%
Bidder response	<b>Selection</b>

<b>PROJ6.2</b>	<b>Is the optical alignment system capable of an alignment resolution down to 0.5µm?</b>  <b>Bidder to confirm the alignment resolution (optical alignment)</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• 2µm &gt; spec &gt; 1µm – Score 50</li> <li>• 1µm &gt;= spec &gt;= 0.5µm – Score 75</li> <li>• Spec &lt; 0.5µm – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.36%
Bidder response	<b>Selection</b>

<b>PROJ6.3</b>	<b>What print-to-print alignment repeatability can be achieved?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• +/-12.5µm (6-sigma) &gt; repeat. &gt; +/-5µm (6-sigma) – Score 50</li> <li>• Repeat. &lt;= +/-5µm (6-sigma) – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.16%
Bidder response	<b>Selection</b>

<b>PROJ6.4</b>	<b>What print accuracy can be achieved?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• +/-25µm (6-sigma) &gt; accuracy &gt; +/-12.5µm (6-sigma) – Score 50</li> <li>• accuracy &lt;= +/-12.5µm (6-sigma) – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.16%
Bidder response	<b>Selection</b>

<b>PROJ6.5</b>	<b>Is the camera system capable of an alignment to a flooded stencil (apertures filled with printing media e.g. electrically conductive adhesive Ablestik 84-1LMINB or EPOTEK E4110-PFC)?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes, with modifications – 50</li> <li>• Yes, as delivered with standard model – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	<b>Selection</b>

<b>PROJ6.6</b>	<b>What is the smallest inter-fiducial distance which can be used with the alignment system of the printer?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• Inter-fiducial distance &lt;= 2mm – Score 50</li> <li>• Inter-fiducial distance &lt;= 1mm – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	<b>Selection</b>

<b>PROJ6.7</b>	<b>Is the printer capable of using the full printable area for alignment fiducials?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.36%
Bidder response	<b>Yes / No</b>

<b>PROJ6.8</b>	<b>What is the best step resolution of the camera system?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• 2µm &gt; Step resolution &gt; 1µm – Score 25</li> <li>• 1µm &gt;= Step resolution &gt;= 0.5µm – Score 50</li> <li>• Step resolution &lt;0.5µm – Score 100</li> </ul>

Scoring criteria	Maximum Marks – 1.36%
Bidder response	Selection

<b>PROJ6.9</b>	<b>What is the largest field of view for alignment (switchable magnification permitted)?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• Field of view larger than 5mm x 5mm – Score 60</li> <li>• Field of view larger than 7.5mm x 7.5mm – Score 80</li> <li>• Field of view larger than 10mm x 10mm – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.16%
Bidder response	Selection

<b>PROJ6.10</b>	<b>What magnification is available on the optical alignment system?</b>
Bidder guidance	The bidder shall describe the optical alignment system and list all available options of magnifications (standard installed optics, automatic switchable magnification, potential upgrades etc.);
Scoring criteria	For information only
Bidder response	Text

<b>PROJ6.11</b>	<b>Some applications require alignment to features/apertures of 50µm-diameter (∅) or smaller. What is the smallest feature / aperture / fiducial size (∅) suitable for alignment without compromising alignment accuracy by image pixilation or other limitations?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• 100µm &gt;= minimum alignment feature diameter &gt; 50µm – Score 50</li> <li>• minimum alignment feature diameter &lt;= 50µm – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.16%
Bidder response	Selection

<b>PROJ6.12</b>	<b>Please provide supporting evidence for PROJ6.11 (smallest feature size for alignment).</b>
Bidder guidance	The bidder shall provide examples and images of alignment with smallest possible feature.
Scoring criteria	For information only
Bidder response	Text/Document

<b>PROJ6.13</b>	<b>What is the total adjustment range in x/y for alignment? (e.g. +/- 2.5 mm from centre point in either direction is a total range of 5mm)</b>
-----------------	---

Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• 6mm &lt; Range in x/y &lt; 7mm – Score 20</li> <li>• 7mm &lt; Range in x/y &lt;= 8mm – Score 40</li> <li>• 8mm &lt; Range in x/y &lt;= 9mm – Score 60</li> <li>• 9mm &lt; Range in x/y &lt;= 10mm – Score 80</li> <li>• Range in x/y &gt; 10mm – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.16%
Bidder response	Selection

<b>PROJ6.14</b>	<b>What is the largest rotational range (angle) for aligning workpiece with stencil?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• 2 degrees &lt;= angle &lt; 3.5 degrees – Score 60</li> <li>• 3.5 degrees &lt;= angle &lt; 5 degrees – Score 80</li> <li>• angle &gt;= 5 degrees – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.16%
Bidder response	Selection

<b>PROJ6.15</b>	<b>Does the illumination have colour filters or similar options to enhance the optical contrast between fiducial pattern and surface on the workpiece so that a variety of workpieces with different surface properties and pattern can be used?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	Yes/No

<b>PROJ6.16</b>	<b>How does the illumination system increase the contrast between features on the workpiece?</b>
Bidder guidance	The bidder shall describe the illumination system and its advantages.
Scoring criteria	For information only
Bidder response	Text/Document

<b>PROJ6.17</b>	<b>The printer will be used for applications with small workpieces. This requires a stack consisting of workpiece holder, workpiece and vacuum clamping chuck (see Appendix A) to fit into the printer. What is the maximum total working height which is available underneath the stencil for workpiece, workpiece holder, and print gap (Appendix A)?</b>
-----------------	---

Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• total working height &lt;= 8.5mm – Score 0</li> <li>• 8.5mm &lt; total working height &lt; 10mm – score 40</li> <li>• 10mm &lt;= total working height &lt; 13.5 mm – score 60</li> <li>• 13.5mm &lt;=total working height &lt; 15 mm – Score 80</li> <li>• total working height &gt;=15mm – score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	selection

<b>PROJ6.18</b>	<b>Will the bidder provide tooling (incl. vacuum workpiece holder) for workpiece holders (50x50mm and 50x70mm lateral size) – see drawings in Appendix A</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	Yes/No

<b>PROJ6.19</b>	<b>Will the bidder integrate the vacuum clamping chuck and tooling into an automated workpiece loading system (track / conveyer belt loading or similar)?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	Yes/No

<b>PROJ6.20</b>	<b>How will the automated workpiece loading system operate for custom-made workpiece holders (listed in Appendix A) and a stack of workpiece and holder such as those sketched in Appendix A?</b>
Bidder guidance	The bidder shall describe the automated workpiece loading system (track / conveyer belt loading or similar) including the integration of vacuum clamping system and tooling?
Scoring criteria	For information only
Bidder response	Text/Document

<b>PROJ6.21</b>	<b>Can the bidder guarantee after workpiece loading system with holder and custom-made tooling is implemented that alignment resolution, print accuracy and repeatability are unchanged from original specifications?</b>
-----------------	---

Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>No – Score 0</li> <li>Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.16%
Bidder response	Yes/No

<b>PROJ6.22</b>	<b>What is the largest printable area? Bidder to confirm the largest printable area.</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>200mm x 200mm &lt;= printable area &lt; 300mm x 300mm – Score 0</li> <li>300mm x 300mm &lt;= printable area &lt; 450mm x 450mm – Score 50</li> <li>printable area &gt;= 450mm x 450mm – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.28%
Bidder response	Selection

<b>PROJ6.23</b>	<b>Is it possible to print to workpieces smaller than 3mm x 3mm (with suitable workpiece holder)?</b>
Bidder guidance	The bidder shall choose from the following options for the smallest suitable workpiece; <ul style="list-style-type: none"> <li>3mm x 3mm &gt; size of workpiece &gt; 2mm x 2mm – Score 50</li> <li>2mm x 2mm &gt;= size of workpiece &gt; 1mm x 1mm – Score 75</li> <li>size of workpiece &lt;=1mm x 1mm – Score 0 – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	Selection

<b>PROJ6.24</b>	<b>What is minimum and maximum print speed?</b>
Bidder guidance	The bidder shall confirm from the following options; <ul style="list-style-type: none"> <li>Minimum Print Speed</li> <li>Maximum Print Speed</li> </ul>
Scoring criteria	For information only
Bidder response	Text

<b>PROJ6.25</b>	<b>What is the maximum snap off speed?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>snap-off &lt; 10mm/sec – score 0</li> <li>10mm/sec &lt;= snap-off &lt; 20mm/sec – Score 50</li> <li>20mm/sec &lt;= snap-off – Score 100</li> </ul>

Scoring criteria	Maximum Marks – 1.28%
Bidder response	Selection

<b>PROJ6.26</b>	<b>What is the maximum stroke length (distance the squeegee is pulled across a screen to produce a print)?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• 100mm &lt; stroke length &lt;= 200mm – Score 50</li> <li>• 200mm&lt; stroke length &lt;= 300mm – Score 75</li> <li>• 300mm&lt; stroke length – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.28%
Bidder response	Selection

<b>PROJ6.27</b>	<b>What is the maximum print gap (actual distance between workpiece and stencil taking tooling allowance of PROJ6.17 into account)?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• Greater than 0.5mm – Score 20</li> <li>• Greater than 1mm – Score 40</li> <li>• Greater than 2mm – Score 60</li> <li>• Greater than 3mm – Score 80</li> <li>• Greater than 6mm – Score 100</li> </ul>
Scoring criteria	Maximum Marks –2.96%
Bidder response	Selection

<b>PROJ6.28</b>	<b>In which steps can the print gap be adjusted between contact and max print gap?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• In steps of 0.1mm – Score 20</li> <li>• In steps of 0.05mm – Score 40</li> <li>• In steps of 0.01mm – Score 60</li> <li>• In steps better than 0.01mm – Score 80</li> <li>• continuously variable – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.28%
Bidder response	Selection

<b>PROJ6.29</b>	<b>Can the tilt/parallelism of stencil or workpiece be adjusted?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes, with modifications – Score 50</li> <li>• Yes – Score 100</li> </ul>

Scoring criteria	Maximum Marks – 1.28%
Bidder response	Yes/No

<b>PROJ6.30</b>	<b>How will an error in tilt/parallelism between stencil and workpiece be corrected?</b>
Bidder guidance	The bidder shall describe the adjustment mechanism for the tilt/parallelism of stencil or workpiece (incl. alignment mechanism, accuracy, repeatability etc.)?
Scoring criteria	For information only
Bidder response	Text/Document

<b>PROJ6.31</b>	<b>How accurate is the level/parallelism of workpiece surface with respect to the stencil plane when using a print gap?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• better than +/-0.3mm over 450mm – Score 40</li> <li>• better than +/-0.2mm over 450mm – Score 60</li> <li>• down to +/-0.055mm over 450mm – Score 80</li> <li>• better than +/-0.055mm over 450mm – score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.28%
Bidder response	selection

<b>PROJ6.32</b>	<b>Other than electrically and thermally conductive adhesives and solder paste, can ink be printed and used as print media?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.28%
Bidder response	Yes/No

<b>PROJ6.33</b>	<b>Which print media can be used?</b>
Bidder guidance	The bidder shall provide evidence and a list of print media which can be used with the printer and of which they have experience.
Scoring criteria	For information only
Bidder response	Text/Document

<b>PROJ6.34</b>	<b>Is there an automated mechanism for dispensing from syringes or similar (e.g. using 3cc syringes of Henkel/Loctite)?</b>
-----------------	---

Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes, with modifications – 50</li> <li>• Yes, as delivered with standard model – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	Selection

<b>PROJ6.35</b>	<b>Is it possible to measure amount of adhesive dispensed onto stencil (capable of dispensing small amounts &lt; 0.5g or volumetric equivalent)?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes, with modifications – 50</li> <li>• Yes, as delivered with standard model – Score 100</li> <li>•</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	Selection

<b>PROJ6.36</b>	<b>Please describe the dispensing method / system and if required which modifications will be carried out to integrate the dispensing system?</b>
Bidder guidance	The bidder shall describe dispensing system and required modifications.
Scoring criteria	For information only
Bidder response	Text/Document

<b>PROJ6.37</b>	<b>Is it possible to change the set-up of the printer so that it can be used as screen printer with mesh?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.16%
Bidder response	Yes / No

<b>PROJ6.38</b>	<b>Will the bidder provide an adaptor for legacy stencil frames size 430mm x 555mm (outer dim.) 370mm x 495mm (inner dim., opening for stencil sheet)?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• No – Score 0</li> <li>• Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%

Bidder response	Yes / No
-----------------	----------

<b>PROJ6.39</b>	<b>Will the bidder provide an adaptor for legacy DEK J1202 stencil frames size 185mm x 255mm (outer dim.) 145mm x 205mm (inner dim., opening for stencil sheet)?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>No – Score 0</li> <li>Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	Yes / No

<b>PROJ6.40</b>	<b>What type of adaptor(s) will be used for the legacy stencils?</b>
Bidder guidance	The bidder shall describe stencil adaptor.
Scoring criteria	For information only
Bidder response	Text/Document

<b>PROJ6.41</b>	<b>Does the bidder also provide squeegees with small width (50mm)?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>No – Score 0</li> <li>Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.28%
Bidder response	Yes / No

<b>PROJ6.42</b>	<b>Is an automated or semi-automated under stencil cleaning system provided?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>No – Score 0</li> <li>No, but optional upgrade – Score 50</li> <li>Yes – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.28%
Bidder response	Selection

<b>PROJ6.43</b>	<b>Does the printer allow post-print inspection of essential dimensions (including height / 3D inspection) of the printed pattern?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>No – Score 0</li> <li>Yes, 2D inspection of selected parts – Score 25</li> <li>Yes, 2D inspection across whole printed area – Score 50</li> </ul>

	<ul style="list-style-type: none"> <li>• Yes, 3D inspection in selected areas – Score 75</li> <li>• Yes, 3D inspection across whole printed area and/or combined 2D inspection of whole printed area with selective 3D inspection – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 1.36%
Bidder response	Selection

<b>PROJ6.44</b>	<b>What type of post-print inspection is used?</b>
Bidder guidance	The bidder shall describe the post-print inspection system (incl. criteria such as resolution & accuracy of measurement, range of dimensions which can be measured; size of inspection area; required time for inspection measurement.
Scoring criteria	For information only
Bidder response	Text/Document

<b>PROJ6.45</b>	<b>What is the foot print of the machine? Bidder to confirm the smallest available foot print of the modified printer.</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• 180cm x 190cm x 190cm (height) –Score 0</li> <li>• &lt;120 cm x 150cm x 190cm (height) – Score 20</li> <li>• &lt;100cm x 130cm x 190cm (height) – Score 50</li> <li>• &lt;90cm x 110cm x 190cm (height) – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	Selection

<b>PROJ6.46</b>	<b>When will the bidder deliver the modified/customized stencil printer for installation after implementing required and desirable modifications?</b>
Bidder guidance	The bidder shall choose from the following options; <ul style="list-style-type: none"> <li>• During February 2018 – Score 0</li> <li>• During January 2018 – Score 25</li> <li>• During December 2017 – Score 50</li> <li>• During November 2017 – Score 75</li> <li>• During October 2017 – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	Selection

<b>PROJ6.47</b>	<b>What is the scheduled time allowed for an engineer to attend after an emergency call is made for a repair?</b>
Bidder guidance	The bidder shall choose from the following options;

	<ul style="list-style-type: none"> <li>• Within 2 working days – Score 25</li> <li>• Next working day – Score 50</li> <li>• Same working day – Score 100</li> </ul>
Scoring criteria	Maximum Marks – 2.96%
Bidder response	<b>Selection</b>

<b>PROJ6.48</b>	<b>The bidder is required to provide full details and specifications of the equipment (including foot print of machine, storage of stencils) being provided, including spares and consumables, training, warranty, software upgrades and any options that can be offered but have not been included as the full cost in AW5.2</b>
Bidder guidance	<p>The bidder shall upload an attachment detailing their response to the question. The attachment shall be no more than 10 sides of A4 paper.</p> <p>Information submitted by the bidder can be used as supporting evidence against compliance to the specification in question AW6.1. The Contracting Authority has the discretion to negate a response received from the bidder in question AW6.1 on the basis of their assessment.</p>
Scoring criteria	For information only
Bidder response	<b>Attachment.</b>