



# Customer Proposal

[Redacted] Under FOI Exemption

Quotation reference: CR2303060DSTa



[Redacted] Under FOI Exemption

DSTL  
Porton Down  
Salisbury  
Wiltshire  
SP4 0JQ

13 June 2023

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Thank you for your recent interest in our Creaform products, with over 23 years' experience, MSL brings a wealth of engineering experience in metrology, design and production assisted assembly. We work with the world's leading developers of hardware and software tools to create workflows that help you work faster, enhance accuracy, and increase productivity. To complement our services, we remain UKAS accredited with laboratory status for calibrations. We mention this, as we believe it is important for all our customers to feel reassured that our expertise goes beyond simply supplying equipment.

As an exclusive Creaform partner since 2005 MSL now has over 500 systems in the UK and Ireland. Our customer portfolio remains very diverse with installations across multiple industries and applications, including multiple F1 Teams, Automotive OEM's, Aerospace OEM's, Heavy Industry OEM's and design and manufacturing SME's.

MSL has achieved 'Strategic Status' the highest Creaform channel partner status for over 10 years. This achievement reflects our commitment to industry knowledge and customer support, with a combined team experience of over 150 years located across three UK offices, Derby, Silverstone, and Peterborough. Our continued investment in the latest products available means our Derby facility remains the technical hub of MSL, with training and demonstration facilities including automated robotic scanning solutions and CMM's.

Creaform were and still remain the founder of truly portable handheld laser scanning and probing systems. Originating from Quebec, Canada, Creaform were established in 2005. Now with 14 Global offices, and an extensive channel partner network, MSL sit perfectly placed to assist you globally within that partner channel network. MSL is very selective on the partners we choose to be associated with; we are not a company consisting of multiple brands. Our mission is:

**'TO BRING INNOVATIVE, EXCITING, BUT EASY TO USE TECHNOLOGY & SOFTWARE TO UK INDUSTRY, WITH PARTNERS WHO PROVIDE INTEGRITY AND ADDED VALUE TO OUR CUSTOMERS.'**

Creaform are a perfect fit for this ethos, with over 100 patents registered globally, both MSL and Creaform recognise the importance of intellectual property protection.

Based on the information gathered, we kindly advise our technical recommendation below. All solutions offered include expert training at a location preferred by the customer, with a team of dedicated Creaform Applications Engineers at hand for support.

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#### Measurement Solutions LTD

**P:** +44 (0)1733 32 52 52

**E:** sales@measurement-solutions.co.uk

**W:** measurement-solutions.co.uk

13 Swan Court, Forder Way, Cygnet Park, Peterborough, PE7 8GX





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# HandySCAN3D™ BLACK SERIES

Further to our recent discussions, please find enclosed a quotation for supplying the **HandySCAN Black** portable, handheld 3D scanner from Creaform, the world's leading innovators of portable 3D measurement.

**HandySCAN Black Elite** incorporates 22 laser lines (11 crosses) to achieve **1.3 million measurements/second**. An additional single line scan mode enables surfaces that are inaccessible to most scanners to be easily acquired. Consequently, the HandySCAN Black Elite can achieve **accuracy up to 25 microns with a resolution of 0.025mm**, confirming it to be the fastest, most accurate hand-held scanner on the market.

Every **HandySCAN Black Elite** are supplied with **VXelements** control software, a fully integrated 3D software platform that powers the entire range of Creaform scanners. By gathering all of the essential tools and elements required for scanning into a user-friendly, simplified and intuitive working environment, its real-time visualisation of surface data provides users with an easy-to-use, enjoyable scanning experience. The optimised scan data file is created and available within seconds of scan completion, eliminating the need for laborious point cloud processing and reducing data acquisition time to a minimum. If required, add-on modules such as **VXmodel** and **VXinspect** provide the necessary tools to process the scan data for reverse engineering and 3D inspection applications.



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**HandySCAN – Black Series Hardware :**

No.	Qty		Price
1	[Redacted]	<p><b>HandySCAN Black Elite</b> portable, hand-held scanning system ;</p>  <ul style="list-style-type: none"> <li>Scanning speed : 1,300,000 measurements per second</li> <li>Accuracy : up to 25um</li> <li>Volumetric Accuracy : 20um + 40 um/m</li> <li>22 Blue laser lines (14 crosses) crosses (Class II) providing a scanning area 310 x 350 mm PLUS 1 x single line laser for scanning deep pockets</li> <li>Resolution 0.025mm</li> <li>Accessory set comprising calibration plate, USB connection cable, 4 x 500 positioning targets, power supply, carrying case</li> </ul> <p>12 months Creaform Complete Customer Care Plan (see Warranty Options)</p> <p>Packing and shipping from Creaform, Canada (includes all import duties and insurance)</p>	[Redacted] Under FOI Exe
2	[Redacted]	<p>1 x 2-Day Training Course for up to 3 Users – for Creaform Hardware</p> <ul style="list-style-type: none"> <li>Authorised training by a Creaform approved engineer for up to 3 users to enable you to get the most out of your portable Scanner and VXelements scanning software</li> <li>Training takes place at Measurement Solutions Training Centre, Derby and includes lunch and refreshments. Price based on all trainees attending the same course.</li> </ul>	[Redacted] Under FOI E
3	[Redacted]	<p><b>COMPLETE CCP – 60 months standard warranty included with all new HandySCAN3D systems including ;</b></p> <ul style="list-style-type: none"> <li>Software updates for VXElements, VXModel and VXInspect Elite</li> <li>Parts and labour warranty for your measuring hardware (excludes consumables and mis-use or accidental damage)</li> <li>World-wide telephone hotline support for software and hardware</li> <li>Annual certification of your measuring system</li> <li>Discounted weekly rental rates on equipment while your system is being serviced (subject to availability)</li> </ul> <p>Excludes all shipping and insurance costs when returning the system to Creaform's European Service &amp; Calibration Centre in Grenoble, France</p>	[Redacted] Under FOI E

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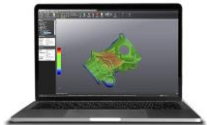
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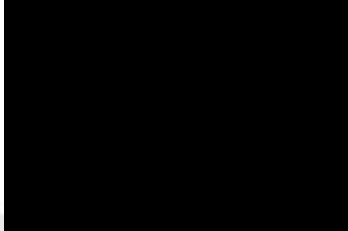
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**Software Options :**

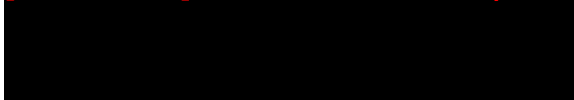
No.	Qty		Price
4	[Redacted] Under FOI Exemption	<b>VXInspect Elite Scan-to-CAD Comparison Software :</b> Directly integrates into VXEelements to seamlessly provide an easy-to-use 3D inspection tool for comparing scan data directly with design CAD data. USB software licence key included.  VXinspect is the simplest and most cost effective path from 3D scan data to inspection reports with colour maps and GD&T analysis for your Quality Control department	[Redacted] Under FOI Exemption
5		<b>1 x 1-Day Training Course for up to 3 Users – for Creaform VXInspect</b> <ul style="list-style-type: none"> <li>• Authorised training by a Creaform approved engineer for up to 3 users to enable you to get the most out of your VXInspect software</li> <li>• Training takes place at Measurement Solutions Training Centre, Silverstone and includes lunch and refreshments. Price based on all trainees attending the same course.</li> </ul>	[Redacted] Under FOI Exemption

I trust this information is satisfactory, if you have any questions, please do not hesitate to contact me.

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<i>Quotation Terms :</i>	<i>Measurement Solutions Standard Terms and Conditions of Sale apply to this quotation</i>
<i>Delivery :</i>	<i>Approx. 4-10 weeks from receipt of order</i>
<i>Validity :</i>	<i>This quotation is only valid for orders placed within 30 days of the quotation date.</i>
<i>Prices :</i>	<i>All prices are subject to fluctuations in the exchange rate between GBP and Canadian Dollars, which is beyond our control. We reserve the right to modify prices without notice prior to order placement in the event of exchange rate changes</i>  <i>All accessory and extended warranty prices are only valid if purchased as part of a complete new scanner system. All prices exclude VAT.</i>
<i>Package Discounts :</i>	<i>Any discounts or package deals offered are only applicable for payment within the terms defined in the Measurement Solutions Standard Terms and Conditions of Sale.</i>

Unless stated otherwise, all prices listed on this quotation are strictly subject to Measurement Solutions Limited Standard Terms and Conditions of Sale. The latest copy of these terms can be downloaded from our website at [www.measurement-solutions.co.uk](http://www.measurement-solutions.co.uk)

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