

CONTENTS PAGE

Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

- ☐ 1 QUOTATION ✓
- ☐ 2 CUSTOMER ORDER ✓
- ☐ 3 MACHINE SPECIFICATION DOCUMENT_S027_v11 ✓
- ☐ 4 LOG SHEET_S028_v3 ✓
- ☐ 5 FAULT REPORTING DOCUMENT_S029_v3 ✓ n/a
- ☐ 6 TEST ACCEPTANCE SPECIFICATION_S030_v9 n/a
- ☐ 7 ASSEMBLY AND TEST RECORD_S023_v5 ✓
- ☐ 8 SERIAL NUMBER FORM_S053_v4 ✓
- ☐ 9 TEST DATA
- ☐ 10 PACKING LIST_S035b_v6 ✓
- ☐ 11 INSTALLATION REPORT_S057_v6
- ☐ 12 INSTALLATION ACCEPTANCE AND WARRANTY CERTIFICATE_S071_v3

ADDITIONAL:

Payment Terms:
 50% / 40% / 10%
Other: please specify

Penalty Clause Yes / No

Please specify: _____

Blue Book Completion:

Signed		Date	
Verified		Date	

Quotation

To: University College London
Department of Chemistry
20 Gordon Street
London
WC1H 0AJ

VAT Reg No: GB 524 3711 68

Quotation Date: 21/06/2022
Quotation Reference: 16361
Customer Ref: Anne-Lise Jordan
Account Ref. UCL002
Quotation Validity: 21/09/2022

Quantity	Product Code	Product Description	Unit Price £	Net Price £
Flush Gas Sample Station				
1	60101/4	Sercon Single Head XYZ Autosampler	8,500.00	8,500.00
1	10202/10	XYZ Gas Sampling Control Box Gas flow control and purification module	2,500.00	2,500.00
1	CALLISTOSW	Callisto software upgrade, includes new PC	2,000.00	2,000.00
1	DEL	Delivery to site by July 31st		
1	INST	Installation and start up training at Customer's site		
1	WARR2	2 year warranty		

* **The price quoted does not include any local taxes or duties**
See separate document for terms and conditions

Delivery: within 90 days of receipt of order

Payment Details:-

50% with order, 40% on delivery and 10% installation
Payment is required within 30 DAYS of invoice date by bank transfer.
All bank transfer charges are the responsibility of the customer.

This quotation is issued in Pound Sterling

Total Net Amount	£	13,000.00
Total VAT Amount	£	2,600.00
Order Total	£	15,600.00

Sercon Bank Details:-

National Westminster Bank, 36 High Street,
Nantwich, Cheshire CW5 5GA U.K.

IBAN: GB74NWBK54101736755133
SWIFT/BIC: NWBKGB2LXXX

PURCHASE ORDER

NOT FOR RADIOACTIVE SUBSTANCE



Order Number: F57-3437788

Order Date: 05-JUL-2022

Delivery Address

UCL - Dept of Earth Sciences
Room G12, Ground Floor
Kathleen Lonsdale Building, Gower Place
London, WC1E 6BS
United Kingdom
Tel: 020 3108 6337

Requestor Name: Jourdan, Dr Anne-Lise

Requestor Email: a.jourdan@ucl.ac.uk

Supplier Name and Address

SERCON LTD
UNIT 3B CREWE TRADE PARK
GATEWAY
CREWE, CW1 6JT
United Kingdom

Invoice Address

Email PDF Invoices to: apinvoices@ucl.ac.uk
Accounts Payable
UCL Finance and Business Affairs
Gower Street
London, WC1E 6BT
United Kingdom
Tel: +44 20 3108 3234

UCL VAT number GB 524 3711 68

UCL EORI No GB 524 3711 68 000

Conditions of Order- The following must be strictly observed:

An invoice, **quoting the above order number**, giving all relevant details and discounts should be sent to **invoice address shown above** immediately the goods are dispatched.

Goods are to be delivered to the delivery address shown above. UCL will only pay charges if supported by an official UCL Purchase Order.

All orders are subject to UCL General Terms and Conditions unless agreed in writing (a copy of which can be obtained from the procurement website: <http://www.ucl.ac.uk/procurement> or by contacting UCL Procurement Services at the following address: Procurement Services, Finance Division, UCL, Gower Street, London WC1E 6BT).

Description of Goods or Services Ordered	Quantity	Unit	Unit Price	Cost (Ex VAT)
Supplier Item Number: 60101/4 Quotation 16361. Sercon Single Head XYZ Autosampler	1	Each	8500	8,500.00
Supplier Item Number: 10202/10 XYZ Gas Sampling Control Box Gas flow control and purification module	1	Each	2500	2,500.00
Supplier Item Number: CALLISTOSW Callisto software upgrade, includes new PC	1	Each	2000	2,000.00
Total Cost (Ex VAT) (GBP)				13,000.00

UCL expects the use of recyclable packaging and not excessive quantities of any packaging from our suppliers.

3 - MACHINE SPECIFICATION

Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

Ref No.	Product Description	Required
HS2022 (continuous flow)		
20402/1	HS2022 Ref Gas + P Mag	
20402/2	HS2022 Ref Gas + E-Mag	
20402/3	HS2022 Ref Gas + Hd Collector + E-Mag	
20402/4	HS2022 Ref Gas + Hd Collector+E-Mag+Trap Loop	
20501	Hd Collector Assy	***
50101/2	Trapping Loop Assy	
70201-1	70201-1 Analyser spares kit – Included	
EA Units		
10202/11	iso-EArth	
10202/13	iso-EArth+	
10202/14	iso-Earth HT Furnace Upgrade	
10202/15	Iso-Earth (Without Autosampler)	
11802/1	Earth+PC	
11802/2	EArth+Clarity+PC	
70501-1	Consumables for C and N for Combustion Only	
70501-11	Simultaneous CNS Consumables Kit (approx. 10000 analysis)	
70501-3	Sample Prep Kit (Inc.)	
70501-4	GSL Combustion and Gas C & N Start Up Kit	
70501-5	Simultaneous NCS Consumables Kit	
70501-6	C&N Combustion Only Consumables Kit (approx. 5000 samples)	
70501-8	Simultaneous CNS Consumables Kit (approx. 5000 samples)	
70601-1	Sulphur Start Up Kit (Inc. with Sercon EA Systems)	
70601-2	Sulphur Consumables Kit for 1000 Samples	
70601-4	Sulphur Consumables Kit (approx. 5000 Samples)	
70801-2	Pyrolysis Consumables Kit-Low temp for Solids	
71701-1	Sub Microgram Nitrogen Analysis Start Up Kit	
SI2040	PN150 Pneumatic Autosampler with one no.50 pos, carousel	
SI2345	ME Micro Balance	
SI2737/A	Sercon 50 Position Autosampler Assy	
SI2789	Extra 50 Position Carousel	
SI2744	Automatic Liquid Sampler 15 Position	
SI2743	Liquid Sampler Mounting Plate	
Headspace Equilibration		
10202/10	XYZ Gas Sampling Control Box	Y
10302/1	Aqua System	
11103	µCarbs for CF	
11103-1	µCarbs for DI	
11601	200 Place Dual Heated Block 240 Volt	
60101/4	Single head XYZ Autosampler	Y
71107-1	CF oxygen-18 equilibration kit	
71107-2	DI Oxygen-18 Equilibration kit	
71201-1	CF deuterium equilibration kit	
71201-2	DI Deuterium Equilibration kit	
71801-1	WES-DI start up kit (Inc. with WES-DI)	
GC Units		
10402/2	Orchid module 1500C (Will run Hd 70901-1 C Spares Kit Inc)	
10901	Nitrogen Option (71301-1 N Spares kit Included)	
HP7890/1	Agilent 7890B GC System	
HP7890/2	Agilent 7890B GC with Auto Injector	
HP7890/3	Agilent 7890B GC + Auto Injector + 150 Vial Sample Tray	
SI2561	Nexis GC 2010 Plus	

3 - MACHINE SPECIFICATION

Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

Ref No.	Product Description	Required
GC Units <i>continued</i>		
SI2564	Nexis GC-2030	
70901-3	GC Pyrolysis H and O Start Up Kit	
70901-4	GC Pyrolysis H Spares Kit	
70901-5	GC Combustion C Spares Kit (approx. 5000 samples)	
70901-6	GC Pyrolysis h Start Up Kit (approx. 5000 samples)	
71301-1	GC N Spares kit	
ABCA2 Units		
10502/1	ABCA2 Sercon XYZ Autosampler	
10602	ABCA2 Gas Box	
20602	Complete Sercon ABCA2 system	
20603	ABCA IR Analyser	
70101-1	ABCA2 spares kit (<i>Inc. With ABCA2</i>)	
70101-2	ABCA2 Spares Kit for AB Analytica Systems	
70101-3	ABCA2 Autosampler Upgrade Kit	
SI1767	CVL505 – Barcode Reader	
SC9973	13C Urea breath test kit for Helicobacter pylori infection	
SC9974	Helicobacter Test kit for children age 3-11 (45mg)	
Integra2 Units		
20802/4	Integra2	
70201-2	Integra2 analyser spares kit - Included	
70401-1	Integra-2 consumables (<i>Inc. With Integra2</i>)	
Trace Gas Systems		
10802/4	CryoPrep	
10802/5	Automated LN refiller	
10802/6	CryoFlex (TOC)	
10802/7	CryoGas	
10802/8	CryoFlex (LA)	
SI2533	Silicon Carbide Vertical Furnace	
SI2731	213nm Laser Ablation System	
SI2733	isoScell 100 sampler chamber	
71001-1	Cryoprep Spares Kit	
71001-5	CryoGas Consumables Kit	
TOC Units		
14001	Thermalox Environmental TOC-IRMS	
14002	Thermalox Environmental TOC-Standalone	
14003	Thermalox Environmental TOC-Standalone No Sampler	
SI2772	CO2 Detector, High sensitivity Option	
SI2773	NOx detector Option	
SI2774	Vacuum pump Option	
SI2775	Stirred Vial rack Option	
72101-1	TOC Start Up Kit	
72101-2	TOC Chem Pack	
72101-3	TOC & TN Instrument with heavy usage - one year	
72101-4	TOC only - economy holding	
GEO 20-22 (dual inlet)		
10702	GEO 20-22 Water Equilibration System (D & 18O)	
21802/1	GEO 20-22	
21802/2	GEO 20-22 + E-Mag	

3 - MACHINE SPECIFICATION

Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

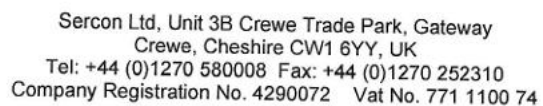
21802/3	GEO 20-22 + E-Mag +Hd	
21802/4	GEO 20-22 Inlet	
70301-1	GEO start up kit - Included	
70301-3E	Comprehensive GEO 20-22 spares kit for 5 years operation	
HT-EA		
11501/4	HT-EA (With Autosampler)	
11501/5	HT-EA With Liquid Option	
11501/6	HT-EA Stand Alone	
11501/7	HT-EA (Without Autosampler)	
SI2622	CTC PAL3-LSI-L-S	
SI2624	CTC PAL3-Kit-Standalone	
70801-1	Pyrolysis Consumables Kit-High Temp for Solids	
71501-1	HT-EA Pyrolysis Start Up kit O and H	
71501-2	HT-EA Pyrolysis Kit for Water injections	
71501-3	HT-EA Sensitivity Start Up Kit for O & H in small samples	
71501-4	HT-EA Sensitivity Consumables Kit for O & H in small samples	
71501-5	HT-EA Sensitivity Kit for O&H in Small Samples (5000 samples)	
71501-7	HT-EA Kit for Room Temp Equilibration	
71501-8	HT-EA Pyrolysis Kit for Water injections (approx. 1 year kit)	

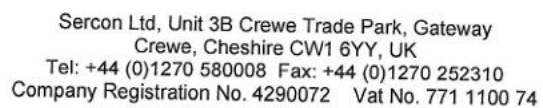
Ref No.	Product Description	Required
Upgrades		
12101	Evacuation System ***	
12102	2 Ref Gas+ Dilutor Box ***	
20101	Standard Source Assy ***	
20102	HS Source Assy ***	
20301	Standard Collector Assy ***	
30202/1	System Control Upgrade (Pmag) installation not included	Edwards Or Pfeiffer
30202/2	System Controller Upgrade (Emag) installation not included	Edwards Or Pfeiffer
10202/7	Preparation PCB Upgrade	
30202/3	Hijack Box ***	
30302/4	nEXT85 Edwards Pumping System Upgrade Single - installation not included	
30302/5	nEXT85 Edwards Pumping System Upgrade Dual - installation not included	
30302/6	nEXT85 Edwards Pumping System Upgrade Triple- installation not included	
SI2542	ABCA2 Upgrade Kit	
CALLISTOW	Callisto software upgrade ***	
Specials		
11702	LC-I interface	
12202	Leco Interface Unit	
SI2320	Agilent 1260 Series Refractive Index Detection HPLC System	
71401-1	ABCA-G Start Up/Spares Kit	
71401-2	ABCA-G Equilibration Spares Kit - Room temp O only	
71401-3	ABCA-G Equilibration Spares Kit - Room Temp O & H	
71601-1	LC Interface Spares Kit	
ADDITIONS		
PC	Windows 7 based PC System with Callisto Software	Y
Printer	Printer	
INST1	Installation and start up training at customer's site by Sercon Engineer	Y
INST2	Installation and start up training at customer's site by Agents Engineer	
WARR	1 year warranty	
WARR2	2 year warranty	Y
TRAIN	Training in UK for one person for 3 days	
SCONTRACT	Maintenance Service Contract – 1 year	

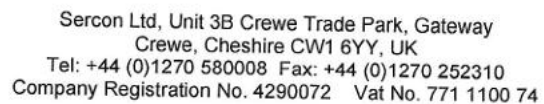
3 - MACHINE SPECIFICATION

Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

SPECIFICATION REQUIREMENTS			
Voltage	230 Volts 50/60Hzs		Y
Plug Type	SI2510	3 Metre USA/Japan plug to IEC C 13	
	SI2511	2.5 Metre Australian plug to IEC C 13	
	SI2512	3 Metre UK 13 amp Fused plug to IEC C 13	Y
	SI2523	3metre Schuko (Euro) Plug to IEC C13 Socket	
	SI2514	2.5 metre Chinese mains to IEC C13	
Pallet	Stamped for export heat treated for 30 min @ 56 °C		Y
	Complies with all Export Requirements		

[illegible]

19/01/2017



Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

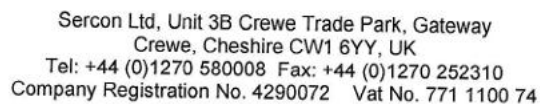
S028_v3



5 - FAULT REPORTING

Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

[illegible]



Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

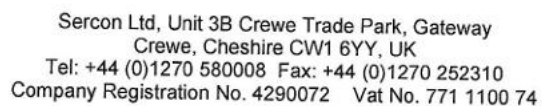
S029_v3

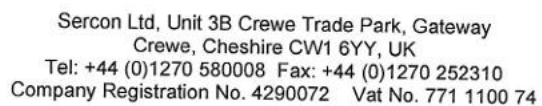


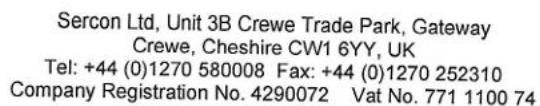
5 - FAULT REPORTING

Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

[illegible]

[illegible]





5 - FAULT REPORTING

Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

[illegible]

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

HS20-22			
Reference Gas Precision (n=5)			
¹³ C	(CO ₂)	0.06	
¹⁵ N		0.06	
¹⁸ O	(CO ₂)	0.06	
³⁴ S	(SO ₂)	0.1	
² H		0.4	

N/A Doc.

Reference Gas Linearity		
¹³ C	≤0.02‰/nA	
¹⁵ N	≤0.02‰/nA	

IsoEarth & IsoEarth+					
Combustion (n=5)					
¹³ C	100 µg C	0.1		10 µg C	0.8
¹⁵ N	100 µg N	0.15		10 µg N	1.5
³⁴ S	25 µg S	0.3		10 µg S	1.0
Dual	400 µg C	0.1		100 µg N	0.15

Integra2			
¹³ C	100 µg C	0.2	
¹⁵ N	100 µg N	0.3	
Dual	100 µg N & 400 µg C	0.4 & 0.15	
³⁴ S	30 µg S	0.5	
¹⁸ O	100 µg O	0.5	

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

HT-EA			
Pyrolysis (n=5)			
¹⁸ O	100 µg O or 1 µl water	0.3	
² H	200 µg H or 1 µl water	1.0	

Aqua, μ Carbs & GasBox						
Equilibrations (n=5)						
^{18}O	0.2 ml water	0.1	N/A Doc			
^2H	0.2 ml water	2.0				
Carbonates (n=5)						
^{13}C	100 μg CaCO_3	0.08				
^{18}O	100 μg CaCO_3	0.1				
Gas Analysis (n=5)						
^{13}C	5% CO_2	0.1		Air CO_2	0.1	
^{18}O	5% CO_2	0.1		Air CO_2	0.2	
^2H	0.5 ml H_2	1.5				
^{15}N	0.5 ml N_2	0.1		100 ppm N_2O	0.5	
^{13}C	Breath (12 ml)	0.1				
DIC (n=5)						
^{13}C	15ppm (0.5ml)	0.15				

LC-I			
(n=5)			
¹³ C		0.2	

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

GC Orchid						
Combustion (n=3 for each analyte)						
¹³ C	3 Alkanes	100 ng C	0.2		10 ng C	0.5
¹⁵ N	2 Amines	100 ng N	0.5		14 ng N	1.5
Pyrolysis (n=3 for each analyte)						
² H	3 Alkanes	250 ng H	3.0		25 ng H	10.0
¹⁸ O	3 FAMES	100 ng O	0.5		20 ng O	2.0
Water pyrolysis (n=5)						
² H	0.1 µl water	3.0				
¹⁸ O	0.1 µl water	0.4				

N/A
Joc

CryoRange						
(n=5)						
¹³ C	Air CO ₂ (12ml)	0.1		Air CH ₄ (125ml)	0.2	
¹⁵ N	Air N ₂ (1ml)	0.1		Air N ₂ O (125ml)	0.4	
¹⁸ O	Air CO ₂ (12ml)	0.15		Air N ₂ O (125ml)	0.7	
¹⁸ O	Air O ₂ (1ml)	0.1				
² H	Air CH ₄	3.0				
¹³ C	TOC (5ppm)	0.4				
¹³ C	Laser					

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

Geo2			
Internal precision (no change overs)			
² H	200 Bar µl	0.15	
¹³ C	100 Bar µl	0.01	
¹⁵ N	100 Bar µl	0.01	
¹⁸ O	100 Bar µl	0.015	
³⁴ S	100 Bar µl	0.015	
Single cold finger volumes (10 change overs)			
¹³ C	20 Bar µl	0.01	
¹⁸ O	20 Bar µl	0.015	
¹³ C	3 Bar µl	0.02	
¹⁸ O	3 Bar µl	0.03	
CAPS (n=5)			
¹³ C	50 µg CaCO ₃	0.03	
¹⁸ O	50 µg CaCO ₃	0.06	
WES (n=5)			
² H		1.0	
¹⁸ O		0.05	
Manifold (10 tubes)			
² H		0.5	
¹³ C		0.02	
¹⁵ N		0.02	
¹⁸ O		0.03	
³⁴ S		0.03	

6 - TEST / ACCEPTANCE SPECIFICATION

Customer:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

Special tests

N/A
goc.

Sales Signature:	Date:
Test Signature:	Date:

7: ASSEMBLY AND TEST RECORD

Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

PRODUCT:

~~Versa~~ - ORBIT

SERIAL NUMBER:

~~10202~~ 17-2022/1285

ASSEMBLED:

(Name)



Date:

14/7/22

PRE-TEST

INSPECTION:

(Production name)



Date:

14/7/22

PRE-TEST

INSPECTION:

(Test name)

S. Meeley

Date:

14/7/22

SYSTEM TEST:

(Name)

S. Meeley

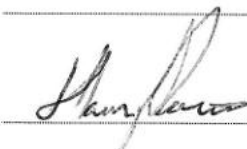
Date:

20/7/22

PRE-DESPATCH

INSPECTION:

(Name)



Date:

21/07/22

P.A.T. Test results

 In compliance with Low Voltage directive 73/23/EEC
 To Low Voltage standard EN61010 – 1:1993

Earth Continuity

 0.064 Ω

Insulation

 >300 M Ω

Earth Leakage Current

0.75 mA. @ 0.05 kVA.

Tested by:

P. Mayo

Date:

14/7/22

S10155- comp

S12391- mon

S10022

Date: 20/07/2022
Time: 11:30:59

Harry

Sercon Limited

Page: 1

Batch Picking List

Works Order Number WO01534
BOM Reference 10202/17
BOM Description Orbit
Qty Required 1.000
Qty Outstanding 1.000
Manuf.Instructions
Works Order Notes

Sales Order No.

Quantity DueDate

Good in 20/7/22

Drawings

Reference/Description	Valid From	Valid To	Revision Number	Date
-----------------------	------------	----------	-----------------	------

Required By

Works Order No.	BOM Reference	Quantity
-----------------	---------------	----------

Seq	Product Code	Qty Required	Qty Allocated	Qty Issued	To Issue	Bin Location/UOM
10	60101/4 verSA 4 (Cryoprep No Plumbing)	1.000	0.000	0.000	1.000	Each
20	SI0022 Capillary Crimp Parts A & B	2.000	0.000	2.000	2.000	B-I4 Each
30	SI0155 Windows based data system Optiplex 3090	1.000	0.000	1.000	1.000	Area E Each
40	SI0199 Male Connector 1/16 OD x 1/8 NPTM SS	3.000	0.000	3.000	3.000	B-J7 Each
50	SI0204 Bulkhead Union 1/16 SS	3.000	0.000	3.000	3.000	B-J7 Each
60	SI0205 Bulkhead Union 1/8 SS	2.000	0.000	2.000	2.000	B-J7 Each
70	SI0344 2P red illuminated round rocker switch, 10A	1.000	0.000	1.000	1.000	B-H5 Each
80	SI0373 34 Way IDC Terminal Block	1.000	0.000	1.000	1.000	B-H9 Each
90	SI0508 24V PSU	1.000	0.000	1.000	1.000	B-H9 Each
100	SI0620 IEC Insulated Cover	1.000	0.000	1.000	1.000	B-H4 Each
110	SI0630 80mm Fan Guard	2.000	0.000	2.000	2.000	B-H7 Each
120	SI0703 1/8-1/16" PTFE Reducing Ferrule Pk/1	2.000	0.000	2.000	2.000	B-J5 Each
130	SI0793 80mm DC Fan	2.000	0.000	2.000	2.000	B-H7 Each
140	SI0926 0/60 psi Gauge 1/8 BSPT	1.000	0.000	1.000	1.000	B-K3 Each

Batch Picking List

150	SI1241 3 Way Solenoid Valve	1.000	0.000	1.000	1.000	B-J4 Each
160	SI1242 2 Way Solenoid Valve	1.000	0.000	1.000	1.000	B-J4 Each
170	SI1328 Mains Filter	1.000	0.000	1.000	1.000	B-H4 Each
180	SI1344 IEC Connector Clamp Kit	1.000	0.000	1.000	1.000	B-H4 Each
190	SI1482 34 Way IDC Bump Polarised Socket, 1A	2.000	0.000	2.000	2.000	D-X4 Each
200	SI1595 37 Way D Plate	1.000	0.000	1.000	1.000	D-U3 Each
210	SI1770 ABCA2 CTAC Tube Racks	5.000	0.000	5.000	5.000	D-V2 Each
220	SI1774 1/8 Female Coupling BSP	1.000	0.000	1.000	1.000	B-J9 Each
230	SI1797 Fuse Holder Insulation Cover	1.000	0.000	1.000	1.000	B-H6 Each
240	SI1899 1/16 x M5 Fitting	5.000	0.000	5.000	5.000	B-J6 Each
250	SI1900 Dowty Seal - M5	5.000	0.000	5.000	5.000	B-J6 Each
260	SI2288 Internal USB 4.5m	1.000	0.000	1.000	1.000	B-H2 Each
270	SI2304 Screwdriver bayonetcap fuseholder 5x20mm	1.000	0.000	1.000	1.000	B-H6 Each
280	SI2307 60 psi Regulator	1.000	0.000	1.000	1.000	B-J4 Each
290	SI2326 Orchid Front Plate Rev001	1.000	0.000	1.000	1.000	Each
300	SI2391 Dell 24 Monitor	1.000	0.000	1.000	1.000	Area E Each
310	SI2411 KVT 20 Split Cable Gland (inc locknut)	1.000	0.000	1.000	1.000	B-H2 Each
320	SI2412 KT 5 insert	1.000	0.000	1.000	1.000	B-H2 Each
330	SI2565 System Control Unit issue 002	1.000	0.000	1.000	1.000	C Each
340	SI2573 System Control Rear	1.000	0.000	1.000	1.000	D-U3 Each
350	SI2575 Orchid Internal Plate	1.000	0.000	1.000	1.000	D-U3 Each

Batch Picking List

360	SI2576 Orchid Top Rear	1.000	0.000	1.000	1.000	D-U3 Each
370	SI2582 EArth System PCB	1.000	0.000	1.000	1.000	B-N4 Each
380	SI2694 25 WAY D PLATE	1.000	0.000	1.000	1.000	D-U3 Each

S13047

ate: 20/07/2022
ime: 13:27:25

Sercon Limited

Page: 1

Batch Picking List

Works Order Number	W001535
30M Reference	60101/4
30M Description	verSA 4 (Cryoprep No Plumbing)
Qty Required	1.000
Qty Outstanding	1.000
Manuf.Instructions	
Works Order Notes	

Sales Order No.

 Quantity | DueDate |

60101/4-2022/1285

BuQIN 20/7/22

Drawings

Reference/Description	Valid From	ValidTo	Revision Number	Date
-----------------------	------------	---------	-----------------	------

Required By

Works Order No.	BOM Reference	Quantity
-----------------	---------------	----------

Seq	Product Code	Qty Required	Qty Allocated	Qty Issued	To Issue	Bin Location/UOM
10	SI0708 SSUE 16/16 Stainless Steel Union Pk/1	1.000	0.000	1.000	1.000	B-J9 Each
20	SI0762 PSR16-16 PTFE Sealing Rings Pk/20	0.200	0.000	0.200	0.200	B-J6 Each
30	SI2515 µCarbs Single Needle	1.000	0.000	1.000	1.000	A-G1 Each
40	SI2584 XYZ Control Box Assy	1.000	0.000	1.000	1.000	C Each
50	SI2971 150 ELECTRIC ACTUATOR WITH SCREW DRIVE	1.000	0.000	1.000	1.000	Each
60	SI2973 300 ELECTRIC ACTUATOR WITH SCREW DRIVE	1.000	0.000	1.000	1.000	Each
70	SI2974 300 SUPPORT GUIDE FOR ELECTRIC ACTUATOR	1.000	0.000	1.000	1.000	Each
80	SI3012 450 ELECTRIC ACTUATOR WITH SCREW DRIVE	1.000	0.000	1.000	1.000	Each
90	SI3022 24Volt 250W AC/DC PSU AHM250PS24	1.000	0.000	1.000	1.000	B-N4 Each
100	SI3039 StarTech 7x USB A Port Hub, USB 3.0 - Terminal Connector	1.000	0.000	1.000	1.000	B-N2 Each
110	SI3040 StarTech1 Port USB 3.0 Ethernet Adapter, 10/100/1000Mbit/s	1.000	0.000	1.000	1.000	B-N2 Each
120	SI3041 Panel Mount Socket to Socket Type B to A 3.0	1.000	0.000	1.000	1.000	Each
130	SI3042 Cat6 Ethernet Cable, RJ45 to RJ45 300mm	1.000	0.000	1.000	1.000	B-N2 Each
140	SI3043 Ethernet Cable, Cat6a, 150 mm, 5.9 ", RJ45 Plug to RJ45 Plug	2.000	0.000	2.000	2.000	B-N2 Each

8 - Serial Numbers Record Document

Client:	University College London - Dept of Earth Sciences		
Quotation Number:	16361	Date:	21/06/2022
Job Number:	IN1285	Date:	05/07/2022

Units	S/N
MS/ABCA	
Integra 2	
Prep Unit 1	10202/17-2022/1285
Prep Unit 2/Misc	
Electronics Upgrade	
CETAC	6010/4-2022/1285
Gas Box	
Autosampler	
BCR	
Dual Heater Block	

Pump Kit and Optics	S/N
Turbo pump S	
Turbo pump A	
Rotary Pump	
Voltage	110 / 240
Gauge S	
Gauge A	
Source	
Collector 1	
Collector 2	
Magnet	

Parts	S/N
Fan PSU	
24V PSU	

PCBs	S/N
Electronics Box	
Prep PCB	2021008
VFC PCB	
Watchdog PCB	
Head Amp PCB 1	
Head Amp PCB 2	
Electromagnet RP	

Furnaces	S/N
Combustion	
Reduction	
HT-EA	
GC Oven	
Furnace 1	
Furnace 2	

PC	S/N
PC	
Monitor	
Printer	

Key

Pumps:	E: Edwards
	P: Pfeiffer
Furnaces:	V/S: Vecstar
	E: Elite
Magnet:	E: Electromagnet
	S: Standard
Turbos & Gauges:	S: Source
	A: Analyser
Collectors:	Std: Standard
	S: Sulphur
	HD: Hydrogen Deuterium

Additional System Info:



Packing List

Customer Reference: F57-3437788

Shipper / Exporter:

Sercon Limited
Unit 3B Crewe Trade park
Gateway
Crewe
CW1 6JT
UK

Tel: +44 (0)1270 580008
Reference: IN1285

Consignee:

UCL - Dept of Earth Sciences
Room G12, Ground Floor
Kathleen Lonsdale Building, Gower Place
London, WC1E 6BS

Contact Name: Anne-Lise Jordan
Contact Tel Number: 020 3108 6337

BOX: 1

Quantity	Product Code	Product Description	Serial Number: if available
☒ 1	60101/4	versa 4	60101/4-2022/1285
☒ 1		Needle for versa 4	

Packed by:

Date:

21.07.22

Claims for damage or shortages must be made within 3 days



Packing List

Customer Reference: F57-3437788

Shipper / Exporter:

Sercon Limited
Unit 3B Crewe Trade park
Gateway
Crewe
CW1 6JT
UK

Tel: +44 (0)1270 580008
Reference: IN1285

Consignee:

UCL - Dept of Earth Sciences
Room G12, Ground Floor
Kathleen Lonsdale Building, Gower Place
London, WC1E 6BS

Contact Name: Anne-Lise Jordan
Contact Tel Number: 020 3108 6337

BOX: Dimensions and weights

	<u>L</u>		<u>W</u>		<u>H</u>		
Box 1	<u>97</u>	x	<u>86</u>	x	<u>107</u>	cm	gw <u>74.2</u> kg
Box 2	<u>97</u>	x	<u>86</u>	x	<u>89</u>	cm	gw <u>50.4</u> kg

COLLECTION NOTE

Job Number: IN1285.
Customer: UCL - DEPT OF EARTH SCIENCES.
Contact: **Mrs Jen Amery**

Collection on
Date: 21/07/2022

No.
of boxes: 4 BOXES.

By: mlb
Company: _____

Vehicle
Reg No. BE67GOK.

Signature: M. Price

Print: M. Price

11 – Installation Report

Client:	University College London		
Quotation Number:		Date:	
Job Number:	IN1285	Date:	

Contact:	Julie Brown		
Date of Visit:	11 th and 12 th November 2024	No. of Days:	2
Engineer:	James Hanson		

Details of visit:

Day 1 – verSA set up on bench and Orbit flush box set up on ledge installed by customer. Power established and comms established. PC failed to boot, BIOS battery just needed a few minutes to charge by the looks of it after speaking to the software team. PC booting fine now and comms established. Gas lines connected and pressure set. Flow of both crimped to 60ml/min from factory, customer requested 100ml to me on site so I recrimped the lines both down to 100ml flow. System checked for leaks using He sniffer – pure He and 0.5% CO2 in He used in the system. Needle installed was for smaller vials, swapped with 12ml EXE needle, however the housing for the needle does not fit. Modified by technician with a workshop in the University to allow the needle clamp to accept the low volume union in a cavity. Needle depth set to 134. Needle guide however is also now too small, cannot be lowered to new required depth for needle. Technician again made a new part to suit and now working fine. End stops for versa noticed to be missing, shipped out from sercon 4x to here. Gas flow checked and confirmed flowing through tubes.

Day 2 – Training covered – startup and shut down, software launch, menus and options, sample list, method modification, running flush samples, valve control, sampler calibration. I made flush events for 1 minute, 3 minute, 5 and 10 minute flushes for both species. Autosampler positions calibrated. Needle crashed due to software version of configurator, updated to 1.2.0.0 which has now fixed the issue. Floor for Z axis set to 135. Customer trained on how to swap out the needle when replacement comes tomorrow. Bitmap modified to show regulator and EQ gas cylinder and vent.

Recommendations:

Swap out needle and get in touch if you have any issues with it.

Faults and Shortages:

Needle supplied was wrong type, swapped for boot stock from JH for correct size. Broken during install so new one required sending FOC.

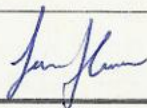
Follow up:

Report any issues to service@sercongroup.com

Engineer: James Hanson

Date: 12/11/2024

Signed:





Sercon Ltd, Unit 3B Crewe Trade Park, Gateway
Crewe, Cheshire CW1 6YY, UK
Tel: +44 (0)1270 580008 Fax: +44 (0)1270 252310
Company Registration No. 4290072 Vat No. 771 1100 74

12 – Installation Acceptance and Warranty Certificate

Client:	University College London		
Quotation Number:		Date:	
Job Number:	IN1285	Date:	

Contact:	Julie Brown
System:	Orbit Flush Box
Software:	Callisto 40.3.0 and versa Configurator 1.2.0.0
Engineer:	James Hanson
Installation Date:	12 th November 2024

Warranty commences:	Out of warranty
Warranty Expires:	Out of warranty

Customer Acceptance:

Name: Julie Brown
Signature: [Signature]
Date: 12/11/2024

Engineer's Signature:

On behalf of Sercon Limited

Name: James Hanson
Signature: [Signature]
Date: 12/11/2024

Notes: Replacement needle to be delivered FOC and end stops for verSA x 4.