sercon
innovators in isotopes

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

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Job Number:	IN1242	Date:	24/09/2020

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TNS Install

ADDITIONAL:

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

Penalty Clause **Yes / No**
Please specify: _____

Blue Book Completion:

Signed	S. [illegible]	Date	16/11/20
Verified	P. Hayes	Date	21/9/20

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6: SYSTEM CONTROLLER TEST REPORT

Client:	Meijo University C/O: Taiyo Nippon Sanso		
Quotation Number:	14461	Date:	07/07/2020
Job Number:	IN1242	Date:	24/09/2020

Serial Number:	20200004	Instrument Configuration:	20-22
Tested By:	S Mash	Date:	16/11/20

Initial Tests		
Initial communication with PC	Initials: SM	Date: 16/11/20
Turbo speed readbacks respond	Initials: SM	Date: 16/11/20
Pressure trip limits are set and respond	Initials: SM	Date: 16/11/20
Vacuum gauges readbacks respond to changes in pressure	Initials: SM	Date: 16/11/20
Filament switches on and regulates normally	Initials: SM	Date: 16/11/20
All source readbacks match and respond to changes in set values	Initials: SM	Date: 16/11/20
E Magnet limit is set and readbacks follow set values (if appropriate)	Initials: SM	Date: 16/11/20
Valve banks respond (ensure all appropriate banks are checked)	Initials: SM	Date: 16/11/20
Flow meters respond appropriately	Initials: SM	Date: 16/11/20
Gas pressure gauges respond appropriately	Initials: SM	Date: 16/11/20
N_2 and CO_2 peaks and stability are good	Initials: SM	Date: 16/11/20
HD system VFC fitted and tested (if appropriate)	Initials: SM	Date: 16/11/20
All cables, boxes and equipment have been packed	Initials: SM	Date: 16/11/20

System Controller Sign Off		
Ensure all boxes are filled in, signed and Dated as appropriate. If a test is not applicable the mark the associated boxes with N/A (not applicable)		
Tests Completed By:	S Mash	Date: 16/11/20
Dispatched By:	S. Mash	Date: 17/11/20

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7: ASSEMBLY AND TEST RECORD

Client:	Meijo University C/O: Taiyo Nippon Sanso		
Quotation Number:	14461	Date:	07/07/2020
Job Number:	IN1242	Date:	24/09/2020

PRODUCT: ELECTRONIC UPGRADE

SERIAL NUMBER: 30202/2-2020/1242

ASSEMBLED: (Name) D. WALKER Date: 30/6/20

PRE-TEST INSPECTION: (Production name) P. Hayes Date: 30/6/20

PRE-TEST INSPECTION: (Test name) _____ Date: _____

SYSTEM TEST: (Name) _____ Date: _____

PRE-DESPATCH INSPECTION: (Name) P. Hayes Date: 17/11/20

P.A.T. Test results

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

Earth Continuity _____ Ω

Insulation _____ MΩ

Earth Leakage Current _____ mA. @ _____ kVA.

Tested by: _____

Date: _____

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7: ASSEMBLY AND TEST RECORD

Client:	Meijo University C/O: Taiyo Nippon Sanso		
Quotation Number:	14461	Date:	07/07/2020
Job Number:	IN1242	Date:	24/09/2020

PRODUCT: PREP PCB UPGRADE

SERIAL NUMBER: 10202/7-2020/1242

ASSEMBLED: (Name) D. WALKER Date: 26/6/20

PRE-TEST INSPECTION: (Production name) P. Hayes Date: 26/6/20

PRE-TEST INSPECTION: (Test name) Date:

SYSTEM TEST: (Name) Date:

PRE-DESPATCH INSPECTION: (Name) P. Hayes Date: 17/11/20

P.A.T. Test results

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

Earth Continuity Ω

Insulation MΩ

Earth Leakage Current mA. @ kVA.

Tested by:

Date:

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8 - Serial Numbers Record Document

Client:	Meijo University C/O: Taiyo Nippon Sanso		
Quotation Number:	14461	Date:	07/07/2020
Job Number:	IN1242	Date:	24/09/2020

Units	S/N
MS/ABCA	
Integra 2	
UPGRADE Prep Unit 1	102047-2020/1242
Prep Unit 2/Misc	
Electronics Upgrade	302042-2020/1242
CETAC	
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	2020 0004
Prep PCB	2020 0005
VFC PCB	19010
Watchdog PCB	fitted.
Head Amp PCB 1	/
Head Amp PCB 2	/
Electromagnet RP	19010

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

PC	S/N
PC	6D15KT2
Monitor	79T3QV2
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:

14461

Quotation

To: Taiyo Nippon Sanso Corporation
Stable Isotope Sect.
Toyo Bldg. 1-3-26 Koyama
Shinagawa-Ku
Tokyo 142-8558
JAPAN

VAT No.

Quotation Date:	07/07/2020
Quotation Reference:	14461
Customer Ref:	
Account Ref.	NIP001
Quotation Validity:	07/10/2020

Quantity	Product Code	Product Description	Unit Price £	Discount £	Net Price £
		ELECTRONICS UPGRADE Customer: Meijyo University supplied in 2009 ANCA-GSL with EBA autosampler + Hydra2020			
1	30202/2	System Controller Upgrade (Electro Magnet) New electronics suite to be installed. Latest generation 20-22 electronics unit, utilizing USB Communications. System Controller provides source control. Valve drive outputs are two banks of 16 24v outputs (32 total). Eight VFC channels can be monitored in parallel for head amplifier readings. Latest Emag power supply. Includes Callisto software upgrade, new PC and Printer.	15,000.00	1,500.00	13,500.00
1	10202/7	Preparation PCB Upgrade Latest generation preparation PCB. USB interfaced replacement for original networked preparation control card. Available for GSL, Orchid and TGII.	5,000.00	500.00	4,500.00
		PUMPING SYSTEM UPGRADE			
1	30302/5	nEXT85 Turbo Pumping System Upgrade Dual Updates system to latest generation Sercon analyser using Edwards pumping system. Dual pumped option.	8,200.00	820.00	7,380.00
1	WARR	1 year warranty	0.00	0.00	0.00
1	INST	Installation at Customer's site for 3 days	6,075.00	0.00	6,075.00
1	CIP	Ship using TNS shipping agent	0.00	0.00	0.00

This quotation is issued in Pound Sterling

Total Net Amount	£	31,455.00
Total VAT Amount	£	0.00
Order Total	£	31,455.00

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

Payment Details:-
Payment is required within 30 DAYS of invoice date by bank transfer.
All bank transfer charges are the responsibility of the customer.

Sercon Bank Details:-
National Westminster Bank, 36 High Street,
Nantwich, Cheshire CW5 5GA U.K.

IBAN: GB74NWBK54101736755133
SWIFT/BIC: NWBKGB2LXXX

Sercon Limited
Unit 3B Crewe Trade Park
Gateway, Crewe
CW1 6JT U.K.
Company Registration No.: 4290072

Phone: +44 (0) 1270 580008
Fax: +44 (0) 1270 252310
www.sercongroup.com
VAT No.: 771 1100 74

14461
IN1242

Order Acknowledgement

Order Date	19/10/2020
Order Ref.	14461
Cust. Ref.	SC-017-005
Account Ref.	NIP001

Invoice address

Taiyo Nippon Sanso Corporation
Stable Isotope Sect.
Toyo Bldg. 1-3-26 Koyama
Shinagawa-Ku
Tokyo 142-8558
JAPAN

VAT No.

Delivery address

E.S. Tech KYOTO
Techno Factory
7-3-46 Nojihigashi
Kusatsu
Shiga 525-0058
Japan

Contact: Takashi Ohno / Yasuo Ogawa
Tel: 00 81 3 5788 8550

Quantity Ordered	Product Code	Product Description	Unit Price £	Net Price £
		ELECTRONICS UPGRADE		
		Customer: Meijyo University supplied in 2009 ANCA-GSL with EBA autosampler + Hydra2020		
1	30202/2	System Controller Upgrade (Electro Magnet) New electronics suite to be installed. Latest generation 20-22 electronics unit, utilizing USB Communications. System Controller provides source control. Valve drive outputs are two banks of 16 24v outputs (32 total). Eight VFC channels can be monitored in parallel for head amplifier readings. Latest Emag power supply. Includes Callisto software upgrade, new PC and Printer.	15,000.00	13,500.00
1	10202/7	Preparation PCB Upgrade Latest generation preparation PCB. USB interfaced replacement for original networked preparation control card. Available for GSL, Orchid and TGII.	5,000.00	4,500.00
1	WARR	1 year warranty	0.00	0.00
1	CIP	Ship using TNS shipping agent	0.00	0.00

Total Net Amount	£	18,000.00
Total VAT Amount	£	0.00
Order Total	£	18,000.00

Sercon Limited
Unit 3B Crewe Trade Park
Gateway, Crewe
CW1 6JT U.K.
Company Registration No.: 4290072

Phone: +44 (0) 1270 580008
Fax: +44 (0) 1270 252310
sales@sercongroup.com
www.sercongroup.com
VAT No.: GB 771 1100 74

COMMERCIAL INVOICE

Date: 12/11/2020

Reference: SC-017-007

Shipper / Exporter / Manufacturer:

Sercon Limited
Unit 3B Crewe Trade Park
Gateway
Crewe
CW1 6JT
U.K.

Contact: Wiktoria Podhalicz
Tel: +44 (0) 1270 580008
Reference: 14810
Air Waybill No: Packed and shipped with I

Country of Export: UK
Country of Manufacture: UK
Country of Destination: JP Japan

Delivery address:

E.S. Tech KYOTO, Research Institute for Production Development
15 Morimoto-cho, Shimogamo, Sakyo-ku, Kyoto
606-0805, Japan

Contact Name: Takashi Ohno / Yasuo Ogawa
Cust Tel Number: 00 81 3 5788 8550

Consignee / Bill To:

Taiyo Nippon Sanso Corporation,Stable Isotope Sect.
Toyo Bldg. 1-3-26 Koyama, Shinagawa-Ku
Tokyo 142-8558, JAPAN

Shipping Marks / Notes:

Packed and shipped with IN1242

Quantity	Product Code	Product Description	Commodity Code	Unit Price £	Net Amount £
2	41903	Three channel 100M/5G/5G amp assy S/N: 1242	90279000	660.00	1,320.00

None of the goods contained in this consignment are restricted by IATA or shipping regulations

Signed .....W. Podhalicz.....

Name Wiktoria Podhalicz
Export Co-ordinator

Total Net Amount:	£	1,320.00
Shipping Charges:	£	0.00
Total Invoice Value:	£	1,320.00

Claims for damage or shortages must be made within 3 days

COMMERCIAL INVOICE

Date: 19/11/2020

Reference: SC-017-005

Shipper / Exporter / Manufacturer:

Sercon Limited
Unit 3B Crewe Trade Park
Gateway
Crewe
CW1 6JT
U.K.

Contact: Joanne O'Connor
Tel: +44 (0) 1270 580008
Reference: 14461 IN1242
Air Waybill No:

Country of Export: UK
Country of Manufacture: UK
Country of Destination: JP Japan

Delivery address:

E.S. Tech KYOTO, Research Institute for Production Development
15 Morimoto-cho, Shimogamo, Sakyo-ku, Kyoto
606-0805, Japan

Contact Name: Takashi Ohno / Yasuo Ogawa
Cust Tel Number: 00 81 3 5788 8550

Consignee / Bill To:

Taiyo Nippon Sanso Corporation,Stable Isotope Sect.
Toyo Bldg. 1-3-26 Koyama, Shinagawa-Ku
Tokyo 142-8558, JAPAN

Shipping Marks / Notes:

1 Box @ 99x86x108cms GW: 71kg

Quantity	Product Code	Product Description	Commodity Code	Unit Price £	Net Amount £
		ELECTRONICS UPGRADE Customer: Meijyo University supplied in 2009 ANCA-GSL with EBA autosampler + Hydra2020			
1	30202/2	System Controller Upgrade (Electro Magnet)	85423190	13,500.00	13,500.00
1	10202/7	Preparation PCB Upgrade	90279000	4,500.00	4,500.00
1	WARR	1 year warranty		0.00	0.00
1	CIP	Ship using TNS DHL account Tracking Number: 8604143833		0.00	0.00

None of the goods contained in this consignment
are restricted by IATA or shipping regulations

Signed J. O'Connor

Name Joanne O'Connor
Export Co-ordinator

Total Net Amount:	£	18,000.00
Shipping Charges:	£	0.00
Total Invoice Value:	£	18,000.00

Claims for damage or shortages must be made within 3 days

Sercon Limited
Unit 3B Crewe Trade Park
Gateway, Crewe
CW1 6JT U.K.
Company Registration No.: 4290072

Phone: +44 (0) 1270 580008
Fax: +44 (0) 1270 252310
sales@sercongroup.com
www.sercongroup.com
VAT No.: GB 771 1100 74

PURCHASE ORDER
No.SC-017-005

TAIYO NIPPON SANSO
The Gas Professionals

Stable Isotope Sect.
Toyo Bldg.1-3-26,Koyama
Shinagawa-ku,Tokyo,JAPAN
TEL: +81(3)5788-8550 *FAX:*+81(3)5788-8710

DATE: 23,September,2020
PAGE: 1 / 1

ATT:
SERCON LIMITED
Gateway, Crewe, Cheshire,Unit 3B,
Crewe Trade Park

WE AS BUYER CONFIRM TO BUY AS SELLER THE FOLLOWING GOODS ON THE TERMS AND CONDITIONS AS STATED BELOW:

PAYMENT : NET 30
SHIPPING MARK: TO BE INDICATED OUR P/O # ON ALL DOCUMENTS & CONTAINER

No	*DESCRIPTION*	*QUANTITY*	*UNIT PRICE*	*AMOUNT*
01	*PRODUCT #* UPGRADE Electronics Upgrade of ANCA GSL with EBA autosampler + Hydra2020 (Meijo University) ATOM% *CONTAINER:*	1 × 1set	@ 18,000.00	GBP 18,000.00
	NOTE: CUSTOMER :Meijo University	*SHIPMENT* 30-Nov-2020		
		DESTINATION NARITA		
	SHOW THE ORDER NUMBER ON ALL : INVOICE,PACKING SLIP,AIRWAY BILLS,OTHER CERTIFICATION (ANALYSIS)	*REFERENCE QUOTATION* #14461		
		Our Management # 017-01861-001 (*P.O#* SC-017-005-001)		

Quantity	Product Code	Product Description	Unit Price £	Discount £	Net Price £
		ELECTRONICS UPGRADE Customer: Meijyo University supplied in 2009 ANCA-GSL with EBA autosampler + Hydra2020			
1	30202/2	System Controller Upgrade (Electro Magnet) New electronics suite to be installed. Latest generation 20-22 electronics unit, utilizing USB Communications. System Controller provides source control. Valve drive outputs are two banks of 16 24v outputs (32 total). Eight VFC channels can be monitored in parallel for head amplifier readings. Latest Emag power supply. Includes Callisto software upgrade, new PC and Printer.	15,000.00	1,500.00	13,500.00
1	10202/7	Preparation PCB Upgrade Latest generation preparation PCB. USB interfaced replacement for original networked preparation control card. Available for GSL, Orchid and TGII.	5,000.00	500.00	4,500.00

PLEASE SIGN
AND RETURN THE DUPLICATE
SELLER

BUYER

Mayumi Hori

Mayumi Hori

sercon
innovators in isotopes

Packing List

Customer Reference: SC-017-005

Shipper / Exporter:

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

Tel: +44 (0)1270 580008
Reference: IN1242

Consignee:

E.S. Tech KYOTO
Research Institute for Production Development 8th Institute, 15 Morimoto-cho, Shimogamo, Sakyo-ku
Kyoto, 606-0805
Japan

Contact Name: Takashi Ohno
Contact Tel Number: 00 81 3 5788 8550

BOX: 1

Quantity	Product Code	Product Description	Serial Number: *if available*
☑ 1	30202/2	ELECTRONICS UPGRADE UNIT	30202/2-2020/1242
☑ 1		ELECTRONICS UPGRADE CABLE SET	
☑ 1	10202/7	PREP PCB UPGRADE AND CABLES.	10202/7-2020/1242
☑ 1		EMAG CONTROLLER BOX	19010
☑ 1		MANUAL FOR ELECTRONICS AND PREP PCB UPGRADE	
☑ 3		JAPAN MAINS CABLES	
☑ 1		PC	6D15KT2
☑ 1		MONITOR	79T3XV2
☑ 1		SOFTWARE FLASH DRIVE (IN MANUAL)	
☑ 1		WINDOWS RECOVERY DRIVE (IN MANUAL)	
☑ 2		3 CHANNEL HEAD ANP PCBS ORDER 14810	1922 / 2009

Packed by: P. Mayes

Date: 16/11/20.

Claims for damage or shortages must be made within 3 days

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Gateway, Crewe
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