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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:	IN1243	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. Mizo	Date	27/11/21
Verified	P. Hays	Date	22/9/21

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6 - PREP BOARD UPGRADE TEST REPORT

Customer:	Fukuoka University C/O: Taiyo Nippon Sanso		
Quotation Number:	14459	Date:	07/07/2020
Job Number:	IN1243	Date:	24/08/2020

Instrument Configuration: 2022, GSC

Serial Numbers: Watchdog: 2019-003. Prep Board: 20200004

Initial Tests			
Initial communication with PC		Initials: LM	Date: 21-JAN-21
Furnace	Readback / Function	Initials: LM	Date: 21-JAN-21
Combustion	☑ / ☑		
Reduction	☑ / ☑		
GC	☑ / ☑		
Flow meter readback		Initials: LM	Date: 25-JAN-21
Pressure sensors	Readback / Function	Initials: SM	Date: 22 Jan 21
Oxygen	☑ / ☑		
Helium	☑ / ☑		
All valve readbacks		Initials: LM	Date: 21-JAN-21
All cables, boxes and equipment have been packed		Initials: PH	Date:

Ensure all boxes are filled in, signed and dated as appropriate. If a test is not applicable then mark the associated boxes with N/A (not applicable)

Tests Completed By: S. [signature] **Date:** 25 Jan 21

Dispatched By: P. Hayes **Date:** 25 JAN 21

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6: SYSTEM CONTROLLER TEST REPORT

Client:	Fukuoka University C/O: Taiyo Nippon Sanso		
Quotation Number:	14459	Date:	07/07/2020
Job Number:	IN1243	Date:	24/09/2020

Serial Number:	20200011	Instrument Configuration:	2022, GSL
Tested By:	LEE MARTIN	Date:	21-JAN-21

Initial Tests		
Initial communication with PC	Initials: LM	Date: 21-JAN-21
Turbo speed readbacks respond	Initials: LM	Date: 21-JAN-21
Pressure trip limits are set and respond	Initials: SM	Date: 22 Jan 21
Vacuum gauges readbacks respond to changes in pressure	Initials: SM	Date: 22 Jan 21
Filament switches on and regulates normally	Initials: SM	Date: 22 Jan 21
All source readbacks match and respond to changes in set values	Initials: SM	Date: 22 Jan 21
E Magnet limit is set and readbacks follow set values (if appropriate)	Initials: SM 13500	Date: 22 Jan 21
Valve banks respond (ensure all appropriate banks are checked)	Initials: SM	Date: 22 Jan 21
Flow meters respond appropriately	Initials: SM	Date: 22 Jan 21
Gas pressure gauges respond appropriately	Initials: N/A	Date: 22 Jan 21
N_2 and CO_2 peaks and stability are good	Initials: SM	Date: 22 Jan 21
HD system VFC fitted and tested (if appropriate)	Initials: SM	Date: 22 Jan 21
All cables, boxes and equipment have been packed	Initials: SM	Date: 22 Jan 21

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. Martin	Date: 22 Jan 21
Dispatched By:	S. Martin	Date: 23 Jan 21

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7: ASSEMBLY AND TEST RECORD

Client:	Fukuoka University C/O: Taiyo Nippon Sanso		
Quotation Number:	14459	Date:	07/07/2020
Job Number:	IN1243	Date:	24/09/2020

PRODUCT: ELECTRONICS UPGRADE

SERIAL NUMBER: 30202/2-2020/1243

ASSEMBLED: (Name) Craig Dwyer Date: 15/12/20

PRE-TEST INSPECTION: (Production name) P. Hayes Date: 15/12/20

PRE-TEST INSPECTION: (Test name) S. [illegible] Date: 15/12/20

SYSTEM TEST: (Name) S. [illegible] Date: 27/1/21

PRE-DESPATCH INSPECTION: (Name) P. Hayes Date: 27/1/27

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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Company Registration No. 4290072 Vat No. 771 1100 74

7: ASSEMBLY AND TEST RECORD

Client:	Fukuoka University C/O: Taiyo Nippon Sanso		
Quotation Number:	14459	Date:	07/07/2020
Job Number:	IN1243	Date:	24/09/2020

PRODUCT: PREP PCB UPGRADE.

SERIAL NUMBER: 10202/7-2020/1243

ASSEMBLED: (Name) A Brun P Hayo. Date: 22.12.2020

PRE-TEST INSPECTION: (Production name) P. Hayo. Date: 22/12/2020.

PRE-TEST INSPECTION: (Test name) S. Moss Date: 22/12/2020

SYSTEM TEST: (Name) S. Moss Date: 22/12/2020

PRE-DESPATCH INSPECTION: (Name) P Hayo Date: 27/1/21

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:	Fukuoka University C/O: Taiyo Nippon Sanso		
Quotation Number:	14459	Date:	07/07/2020
Job Number:	IN1243	Date:	24/09/2020

Units	S/N
MS/ABCA	
Integra 2	
Prep Unit 1	
Prep Unit 2/Misc	
Electronics Upgrade	
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	20200011
Prep PCB	2020/00004
VFC PCB	19009
Watchdog PCB	
Head Amp PCB 1	
Head Amp PCB 2	
Electromagnet RP	20004

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

PC	S/N
PC	DX9T7133
Monitor	9JF2F73
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:

14459

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:	14459
Customer Ref:	
Account Ref.	NIP001
Quotation Validity:	07/10/2020

Quantity	Product Code	Product Description	Unit Price £	Discount £	Net Price £
		ELECTRONICS UPGRADE Customer: Fukuoka University supplied in 2009 ABCA-G & 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
1	WARR	1 year warranty	0.00	0.00	0.00
1	CIP	Ship using TNS shipping agent	0.00	0.00	0.00

This quotation is issued in Pound Sterling

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

* 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

14459
IN1243

Order Acknowledgement

Order Date	19/10/2020
Order Ref.	14459
Cust. Ref.	SC-017-006
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: Fukuoka University supplied in 2009 ABCA-G & 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

PURCHASE ORDER
No.SC-017-006

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 ABCA-G & Hydra2020 for Fukuoka University ATOM% *CONTAINER:*	1 × 1set	@ 18,000.00	GBP 18,000.00
	NOTE: CUSTOMER :Fukuoka University	*SHIPMENT* 15-Jan-2021		
		DESTINATION NARITA		
	SHOW THE ORDER NUMBER ON ALL: INVOICE,PACKING SLIP,AIRWAY BILLS,OTHER CERTIFICATION (ANALYSIS)	*REFERENCE QUOTATION* #14459		
		Our Management # 017-01862-001 (*P.O#* SC-017-006-001)		

Quantity	Product Code	Product Description	Unit Price £	Discount £	Net Price £
		ELECTRONICS UPGRADE Customer: Fukuoka University supplied in 2009 ABCA-G & 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
1	WARR	1 year warranty	0.00	0.00	0.00
1	CIP	Ship using TNS shipping agent	0.00	0.00	0.00

PLEASE SIGN
AND RETURN THE DUPLICATE
SELLER

BUYER

Mayumi Hori
Mayumi Hori

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Packing List

Customer Reference: SC-017-006

Shipper / Exporter:

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

Tel: +44 (0)1270 580008
Reference: IN1243

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 (ELECTRO MAG)	30202/2-2020/1243
☑ 1		ELECTRONICS UPGRADE CABLE SET	
☑ 1	10202/7	PREP PCB UPGRADE AND CABLES.	10202/7-2020/1243
☑ 1		EMAG CONTROLLER BOX (WITH UPGRADE CABLES)	19010
☑ 1		MANUALS FOR ELECTRONICS AND PREP PCB UPGRADE	
☑ 3		JAPAN MAINS CABLES	
☑ 1		PC	DX9T7133
☑ 1		MONITOR	9JF2F73
☑ 1		SOFTWARE FLASH DRIVE (IN PC BOX)	
☑ 1		WINDOWS RECOVERY DRIVE (IN PC BOX)	

Packed by: P. Hayes

Date: 27/1/21

Claims for damage or shortages must be made within 3 days

Sercon Limited
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Gateway, Crewe
CW1 6JT U.K.
Company Registration No.: 4290072

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