





SURFACE TECHNOLOGY SYSTEMS



MULTIPLEX IC



REFERENCE TECHNOLOGY SYSTEMS

Serial Number : 22043

Machine Type : M/PLEX ICP

Module Type : Mini Gasbox



TOOL No 22043

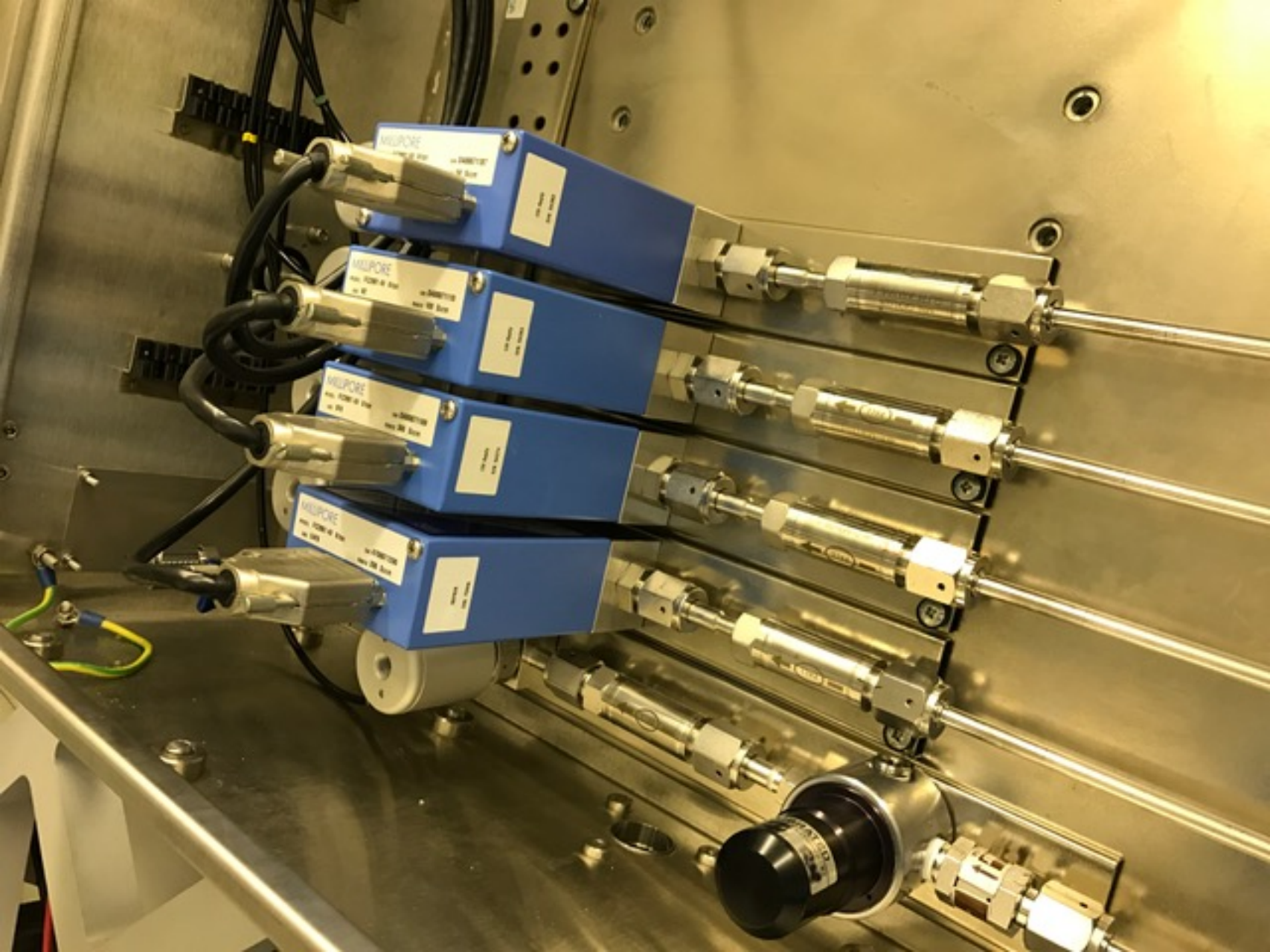
MILLIPORE

MODEL FC2901 4V Viton
GAS N2

S/N: DA0007111
RANGE: 100 Secm

GAS N2 4V Viton





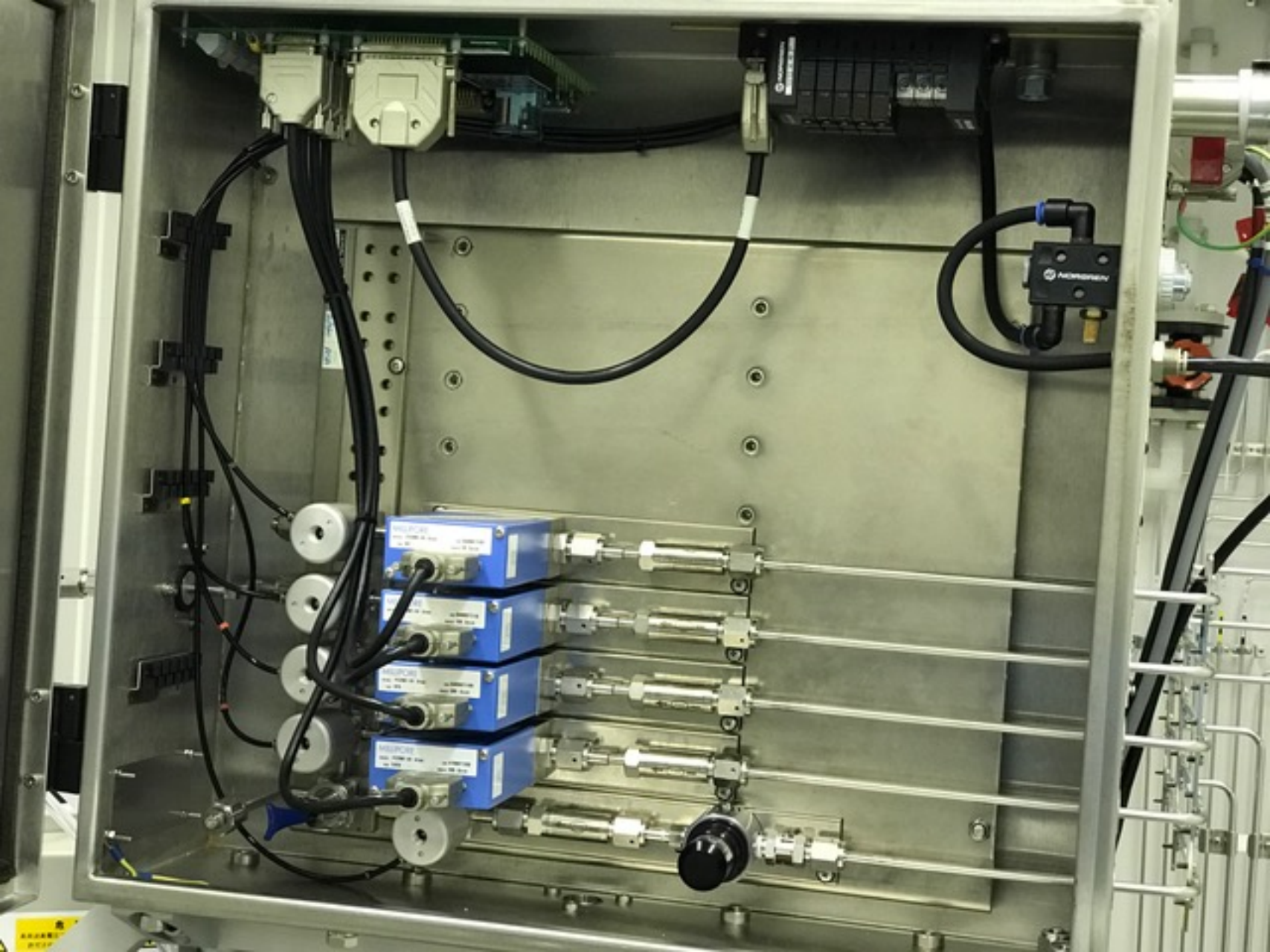
MILLIPORE

MODEL: FC2901 4V Viton

GAS: N2

S/N: DA00071107

RANGE: 50 Sccm



AIR
ON

AIR
OFF

AIR IN

GAS4 AR

スーパーアルゴン

GAS3 O2

スーパー酸素ガス

GAS2 SF6

六フッ化イオウ

GAS1 C4F8

フロン C 318

N2 VENT



86008 20900142193



MAG 900 CI

0900262493

86008 500112

LEYBOLD VAKUUM GMBH BONNERSTR. 498
MADE IN GERMANY 50968 KÖLN

MAGNETIC SYSTEM  JÜLICH

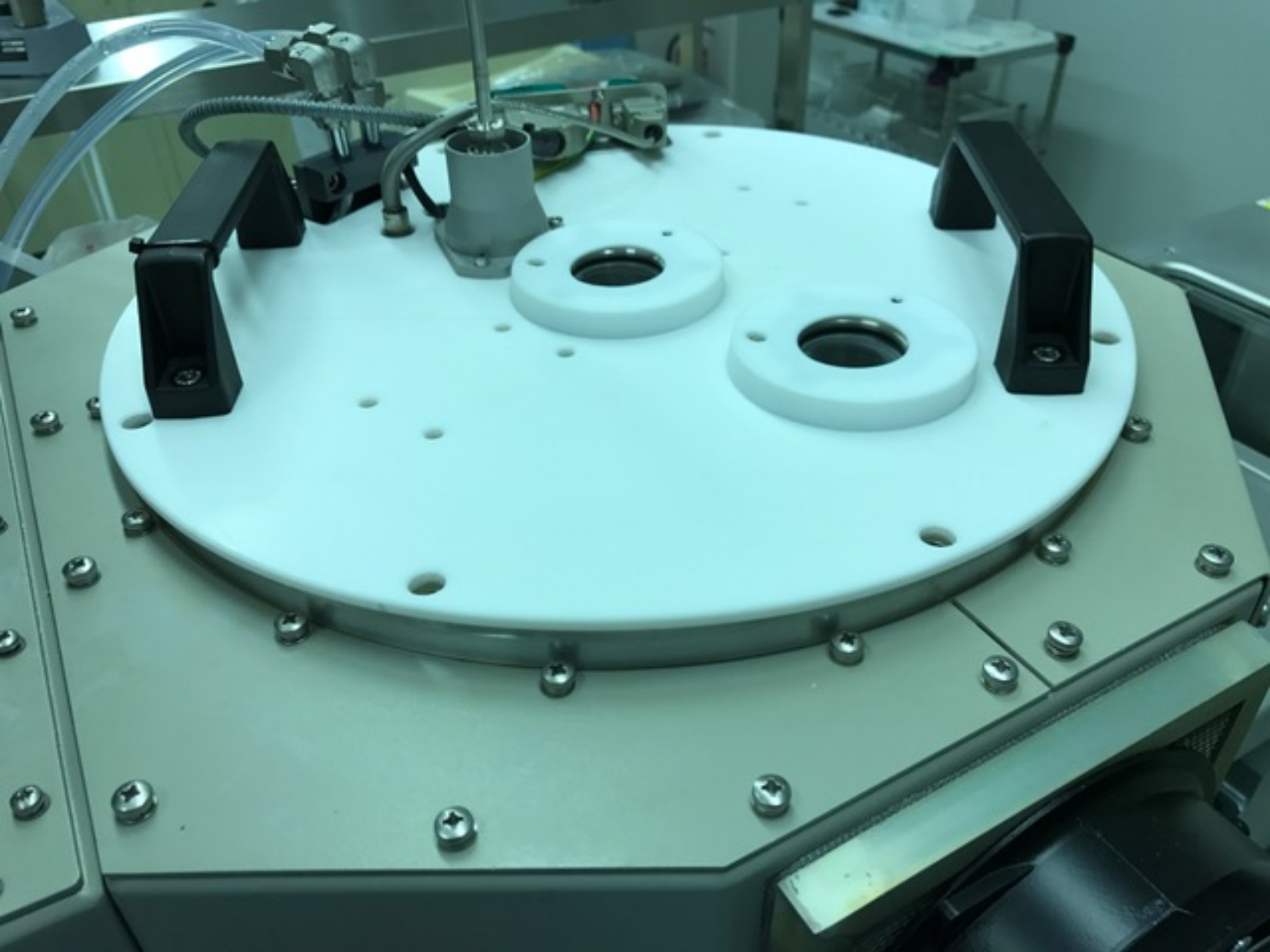




MAXIMUM TEMPERATURE
100°C

COIL MAG PHASE

BALUN 1





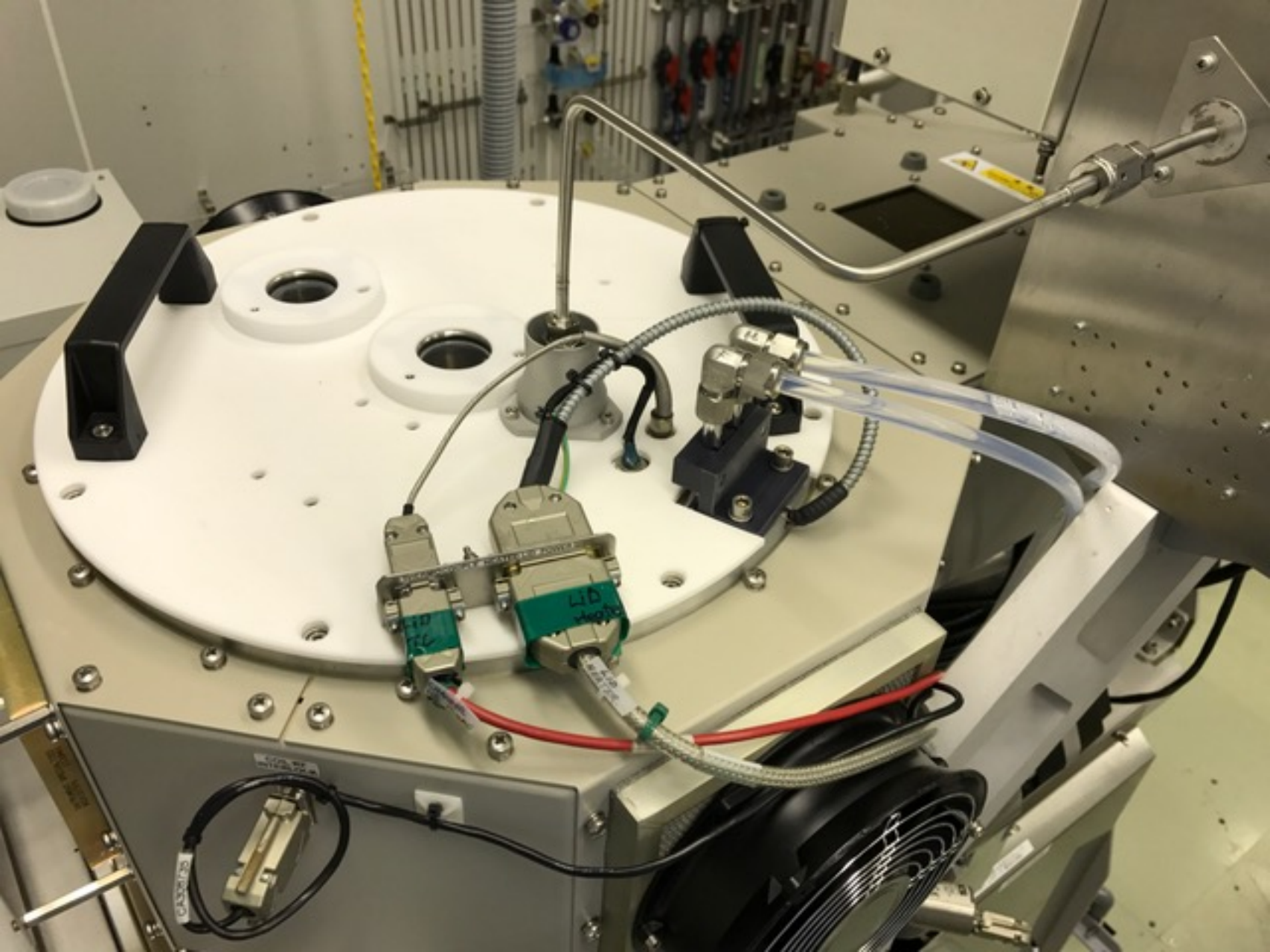
















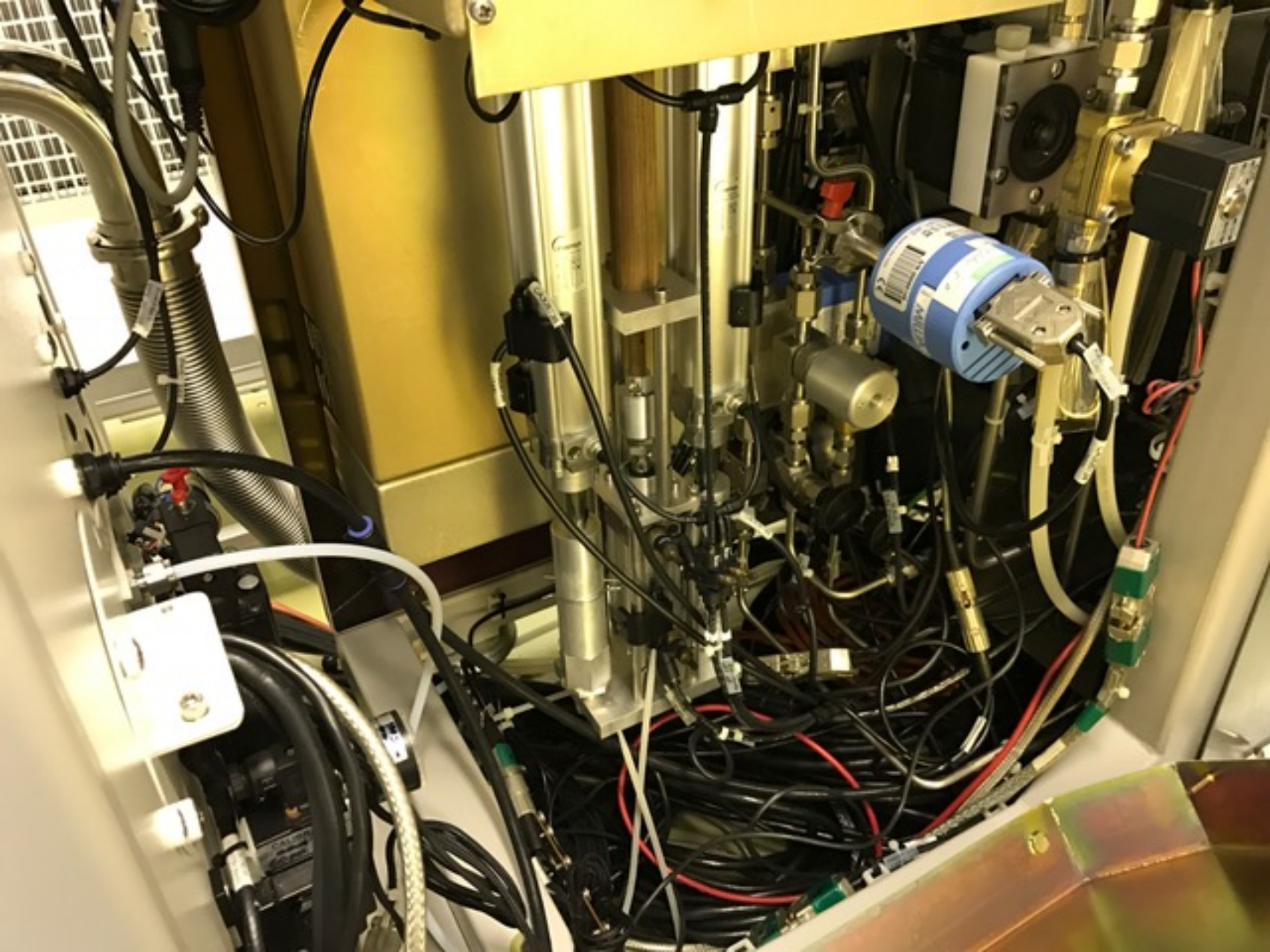
VAT

Made in Switzerland
F02-80504/0057

CE

02010-CA24-0001





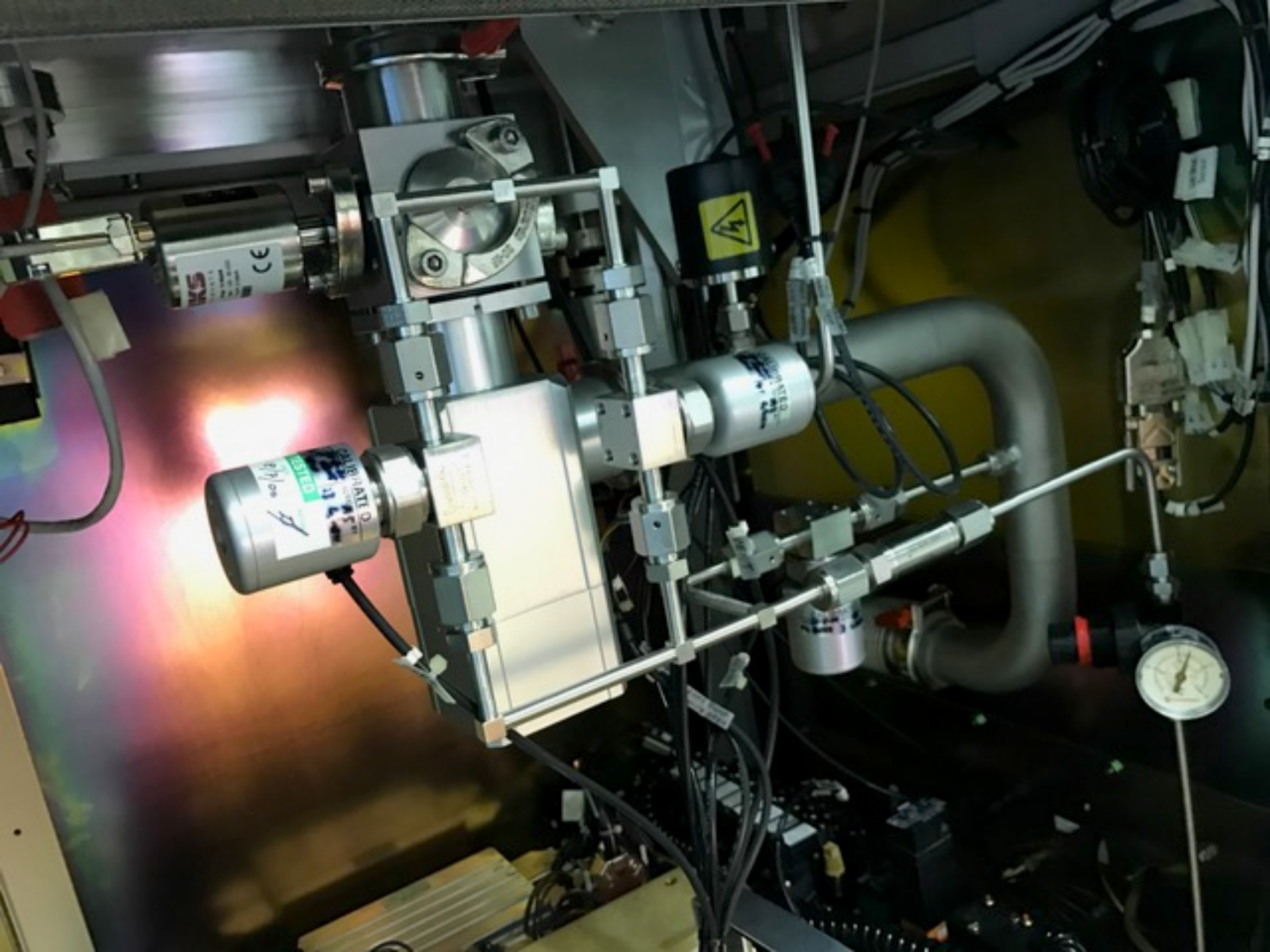


危 険

高周波高電圧プラズマ電源通電中
許可された者以外取扱禁止。

LD300885 01





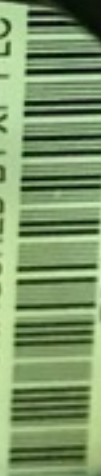




MODEL:

MP6-2Q-2Q-20
(-447)

CONFIGURED BY XP PLC



ASTEC P/N:

73-560-4047

PUT:

100-240V

PUT:

24.00V @ 25

189 845515

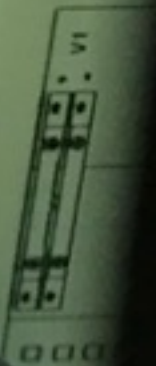


S/N:

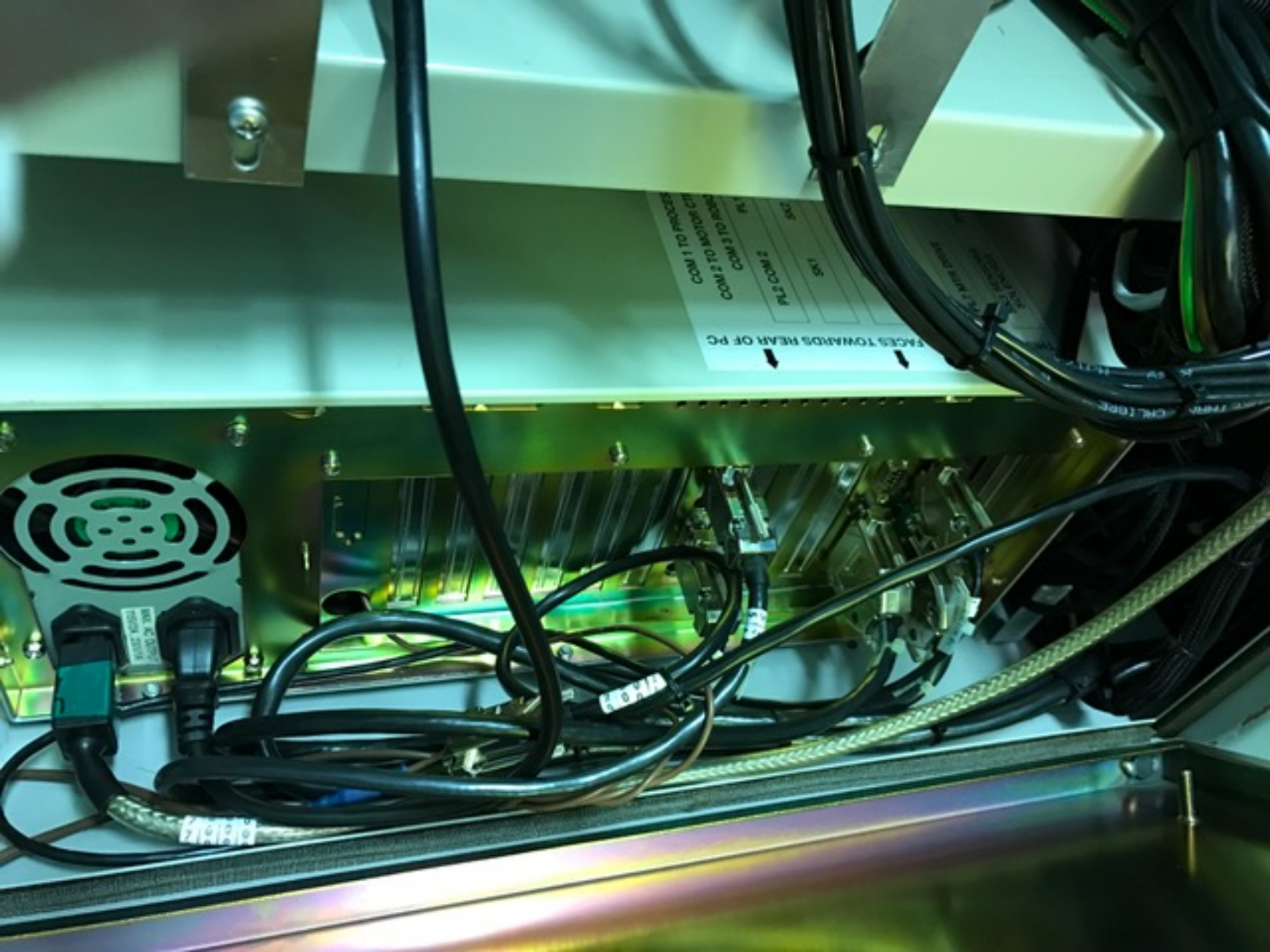
0025X020

0/60/400HZ

POWER: 600 WATTS





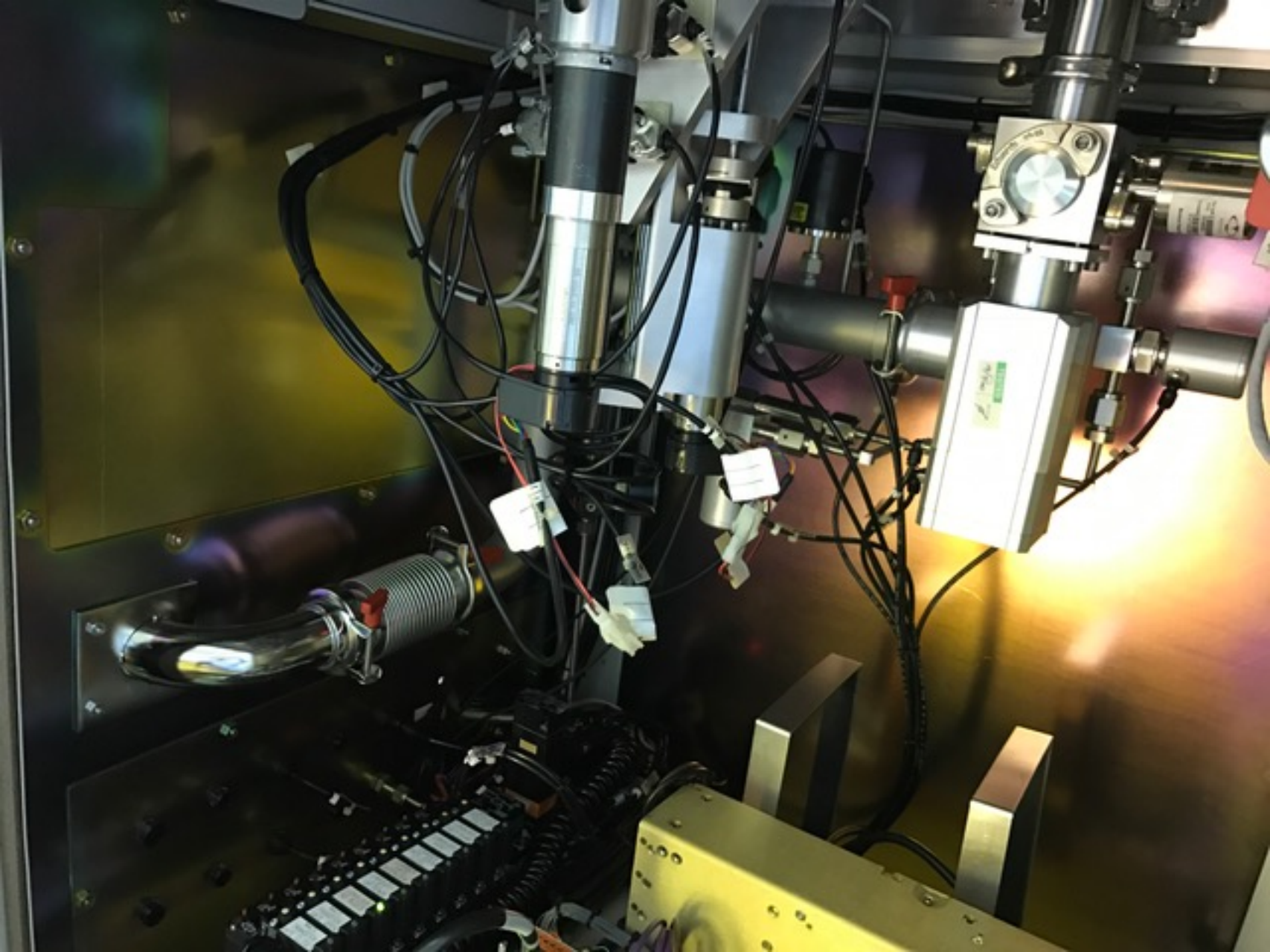




SURFACE TECHNOLOGY SYSTEMS



MULTIPLEX ICP



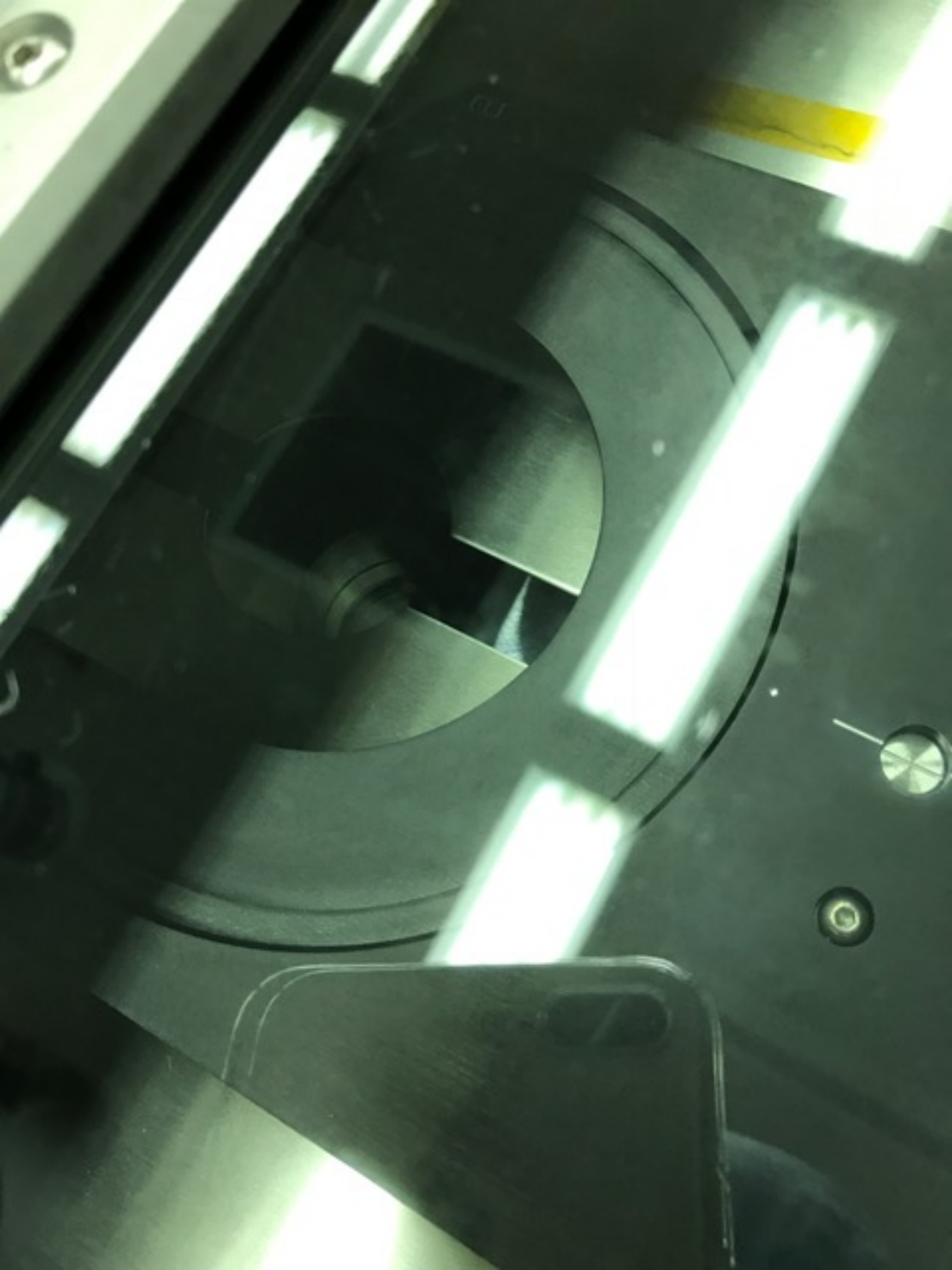






危険
高電圧電圧がプラスで発生する
取付時の電圧以外に注意してください。







Surface Technology Systems

Supply:

100

Volts

Phase

32

Hz

Amps

Works Order:

712-1

Stock No.:

E-RACH

Serial No.:

Customer:

Built:

2.1.1

Tested:



CLUSTER / MULTIPLEX P.P.D.

SH1

POWER ON 

POWER OFF 

PRESS AND HOLD FOR 3 SECONDS

POWER AVAILABLE 

CB1 

SYSTEM 24V

CB2	CB3	CB4	CB5	CB6	CB7
MACHINE SUPPLY	PUMP 1	NOT USED	PUMP 3	CHILLER/AUXILIARY	MAINS SAFETY SUPPLY

POWER DISTRIBUTION

SH2



24V DC POWER ON



PHASE PRESENT



PHASE PRESENT

CB1	CB2	CB3	CB4	CB5	CB6	CB7	CB8	CB9
GENERATOR RF 2	GENERATOR RF 1	CHAMBER HEATERS	EXTERNAL AUXILIARY	TURBO SUPPLY	24V PSU MAIN	INTERNAL AUXILIARY	24V GAS I/L	24V MAIN

60, 45, 40°C

60、45、40℃

CONDUCTIVITY METER



LOCAL

REMOTE

TU



F51 0.25A F52 0.25A F53 1.5A F54 1.5A



INTERLOCK DISPLAY



H.C.L.1

CHAMBER LID TEMP DISPLAY



H.C.U.3



CS1
1A
CONTROLLER POWER

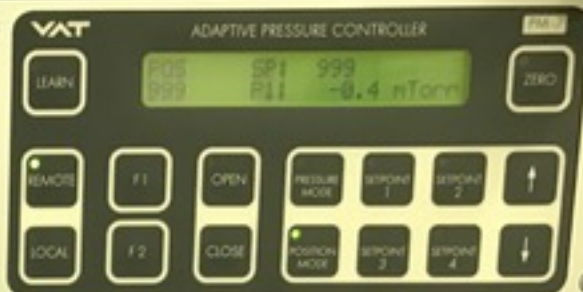


OVERIDE

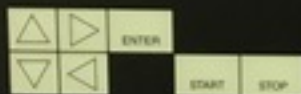




600Hz



NORMAL 1.5
Speed/Curr 20



MAG DRIVE 1000

VAC3Y

AMC1A

AMC1A

ABCL
C

DEMAND
1.0000

FEEDBACK

VAC3Y

AMC1A

AMC1A

MBC2

C

DEMAND

0.85ccm
1.25ccm

FEEDBACK

REMOTE

PRESSURE

LOCK

FLOW

ALARM

OUT OF RANGE

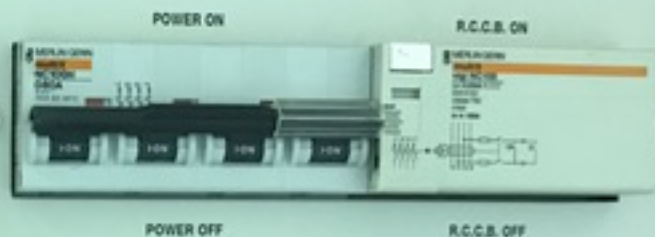
SPIN VALVE
(DOWN)





P.P.D. POWER IN
PA1

1M-8(2)~3202



危険

高電圧
感電の恐れがあるため許可された者以外
の近接禁止。

1. 000000000000

APC INTERFACE



FORELINE HEATER
OUTPUTS

ASE TEMP CONTROLLED
LID OUTPUTS



G1 NETWORK IN
(V-BASE TO)

SK4 NOT USED

SK5 NOT USED

SK7 NOT USED

OUTPUTS

CM2

LG

FORELINE HEATER
OUTPUTS

ASE TEMP CONTROLLED
LID OUTPUTS

SK2

NOT USED

G4
FORELINE
THERMOCOUPLE

G5
FORELINE
THERMOCOUPLE

INTERLOCK

G6
SOLENOID
POWER

G2
THERMOCOUPLE
OUTPUT

SON
ELECTRONICS LTD.
1000, MIDDLERAY AVE
SCOTTSDALE, AZ 85257
TEL: 480 990 7273
FAX: 480 990 1330



10A

W/R.I.E
CONTROL

SK1
WATER
BLOCK

G1
NETWORK IN
(10 BASE T)

MEASUREMENT
AND CONTROL

MACHINE
INTERFACE

SK3
EMERGENCY
STOP

SK4

NOT USED

SK9

NOT USED

H.B.C. CONTROL



OLSON

OLSON ELECTRONICS LTD.
STANMORE, MIDDX HA7 1JX

Tel: 020 8905 7273
Fax: 020 8952 1232



10A



I.C.P/R.I.E
CHAMBER CONTROL





11

ASK #1

ENI

STS
MULTIPLYER 400

ENI
ACCU-TUB

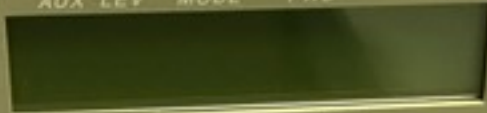
ASK #1

49

ABC RT

ENI

AUX LEV MODE FWD REV



SET POINT

STATUS

MODE

ON/OFF

POWER

AC ON

RE ON

FAULT

RESET



SURFACE TECHNOLOGY SYSTEMS

MULTIPLEX ICP

RF GENERATOR

STATUS

AC ON

RE ON

ENI
ACG-10B
RF GENERATOR



METER SELECT
FORWARD  REVERSE

ON

OFF

RF POWER



STATUS

AC ON 

RF ON 

MAX POWER 

OVERHEAT 

REMOTE 

SETUP 

INSPECTED By:



WARNING

- SERVICE BY AUTHORIZED PERSONNEL ONLY
- REFER TO INSTALLATION AND OPERATING INSTRUCTIONS
- DISCONNECT POWER FOR ANY SERVICE WORK

WARNUNG

- SERVICE NUR VON FACHPERSONAL
- INSTALLATIONS - UND GEBRAUCHSANWEISUNG BEACHTEN
- VON NETZ TRENNEN BEI SERVICE ARBEITEN

AVERTISSEMENT

- CONFIER LA MAINTENANCE A UNE PERSONNE QUALIFEE
- CONSULTER LA NOTICE D'INSTALLATION ET D'UTILISATION
- COUPER L'ALIMENTATION AVANT TOUTE MAINTENANCE

ETL LISTED
CONFORMS TO
UL Std. 3111-1
EN 61010-1
CERTIFIED TO
CAN/CSA C22.2 NO. 1010.1





J1

SERIAL I/O

RF OUT

POWER

CTM92A

DC BIAS

EXT. USE

RF OUTPUT

WARNING:
HIGH RF OUTPUT
VOLTAGE. TO AVOID
ELECTRICAL SHOCK
READ INSTRUCTION
MANUAL BEFORE
OPERATION

PA9-SK10

WARNING: TO AVOID ELECTRICAL



XT. OSC

BIAS
PUT

EXT. OSC.
INPUT

OUTPUT

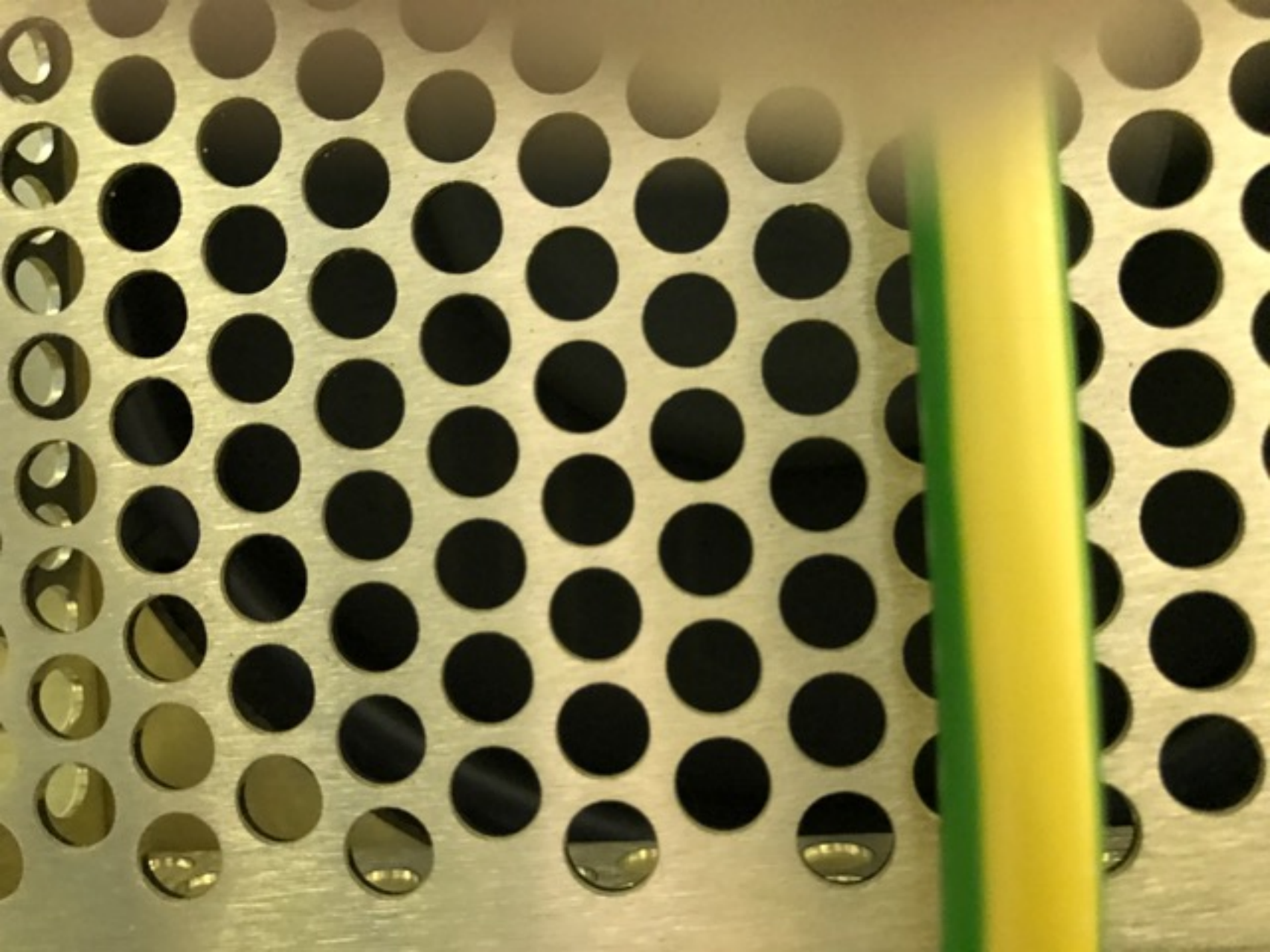
WARNING:
HIGH RF OUTPUT
VOLTAGE TO AVOID
ELECTRICAL SHOCK
READ INSTRUCTION
MANUAL BEFORE
OPERATION.

WARNING TO AVOID ELECTRICAL
SHOCK, UNIT MUST BE SERVICED
BY AUTHORIZED FACTORY
SERVICE REPRESENTATIVE

AC INPUT



3G2.5



ENI MODEL NO.: ACG-10B

PART NO.: ACG-10B-07

SERIAL NO.: 1564

WEIGHT: 43kg 95lbs

**AC INPUT: 1/N/PE ~ 200/208/220/240V
50/60Hz 20A**

RF OUTPUT: 1000W, 13.56MHz

CUSTOMER P/N:

ENI REV.: B

DATE: 08/10/00

REV.:

ENI MODEL NO.: ACG-3B

PART NO.: ACG-3B-01

SERIAL NO: C313 ENI REV.: B

DATE:08/04/2000 WEIGHT: 8.0kg 18 lbs

INPUT:1/N/PE ~ 100-240V 800VA. 50/60Hz

RF OUTPUT:300W 13.56 MHz

CUSTOMER P/N:

REV.:



MAIN POWER

GBC
THERMO COOLER

PA MODE SET STOP START

19.9

12.2

1 2 3 4 5 6

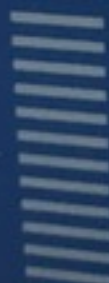


THERMO COOLER



START

STOP







THERMO COOLER

MAKER

SMC CORPORATION

4-14-1, Sotokanda, Chiyoda-ku,
Tokyo 101-0021, Japan

Ny 010(Nov.09)



HRGC002 - A - TY

AC 200-230V(50/60Hz)

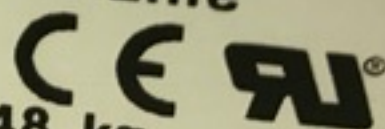
1Phase, 2Wire + G Line

10.0 A

20 A

R407C(HFC) 0.48 kg

80 kg (Net Weight)



MADE IN JAPAN

SERIAL NO.

MODEL NO.

POWER LINE

PHASE, WIRE

FULL LOAD AMPS

POWER CAPACITY

REFRIGERANT

WEIGHT

フロン回収破壊法

この製品には冷媒として

第一種特定

フロン使用機器

OVER
FLOW

HIGH

LOW

SNC THERMO COOLER

MODEL

SNC CORPORATION
4-14-1, Sakurada-Chiyoda-ku,
Tokyo 100-8501 Japan
No. 0100000 000
R410A/GDZ-A
Ad. 200-2000000000000000
1P/2000-2000000000000000
1.0 D A
30 A
R410A/GDZ-A 2.42 kg
60 kg (max. weight)
MADE IN JAPAN

フロン回収装置 第一種特定製品
この装置には冷媒として、フロン類（HFC）が使われています。
1) フロン類を適切に回収・処理することが義務づけられています。
2) この装置を廃棄する場合は、フロン類の回収が必要です。
3) フロン類の回収・処理は、型試紙面に記載されています。



GP 85A

707-707



クリタ式カートリッジ純水器

デミエース DS型

式
流量
番号

DS-N075

7.5 L/min

960891



KURITA

使用圧力注意

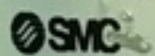
0.3MPa以下(約3kg/cm²)

圧力は、上記圧力以下で運転
するようにご注意ください。尚詳細
な説明書をご参照下さい。

FQ1011N-04-R013N-B

ELEMENT NO. EJ102S-013NX0

MAX. PRESS. 10MPa



MADE IN JAPAN

Ny

OPEN



BOSCH

1. ポンプ使用上の注意事項
1. ポンプ運転前に必ず取扱説明書を読んで下さい。
2. ポンプの回転方向を確認して下さい。
2. 保守上の注意事項
1. 定期点検は、1年もしくは8000時間で行ってください。
2. ポンプの運転時のチェックは定期的にやって下さい。
ポンプに関するお問い合わせは日本アップスまで
TEL 03-3699-1061・FAX 03-3699-1062





LEROY[®]
SOMER[®]

IP IK08 CI F

3~LS112MG
N° 455408-PC009

40°C S S1

V	Hz	min-1	kW	cos φ	A	kg
---	----	-------	----	-------	---	----

200	50	1425	0.60	0.83	3.00	
200	60	1710	0.60	0.86	2.80	
230	60	1720	0.60	0.85	2.60	
380	60	1750	0.60	0.81	2.40	
415	50	1440	0.60	0.80	1.60	
460	50	1450	0.60	0.75	1.50	
	60	1755	0.60	0.74	1.30	

11956-35

Kubler









EDWARDS



EDWARDS

iQ SYSTEM

MODEL
CODE NO
WEIGHT
SERIAL NO

IQDP80

A532-80-905

216 Kg

016980349



A53280905



016980349

MADE IN ENGLAND BY EDWARDS HIGH VACUUM INT
(PART OF B.O.C. LTD) CRAWLEY SUSSEX ENGLAND





MODULE

EDWARDS

EDWARDS

MT SEAL PRESSURE
WARNING

STS
SURFACE TECHNOLOGY
MULTI-PASS

HEP GAS SYSTEM MODULE
SERIES 1

EDWARDS

EDWARDS
ITEM

CE



BOC EDWARDS
MODEL: 100-1000
SERIAL: 100-1000
DATE: 10/10/10



BOC EDWARDS

COMPRESSOR MODULE

VOLTAJE - SELECCION



WARNING
DO NOT TOUCH
THE SURFACE OF THE
MODULE WHEN IT IS
HOT. IT CAN BE
DANGEROUS.
SERIAL: 100-1000
DATE: 10/10/10

Model: 100-1000
100-1000/100-1000/100-1000
DO NOT TOUCH THE SURFACE OF THE
MODULE WHEN IT IS HOT. IT CAN BE
DANGEROUS.
SERIAL: 100-1000
DATE: 10/10/10



EDWARDS



EDWARDS 

IM COMMS MODULE

PARALLEL INTERFACE

P.No : 037236000



S.No: 006619955

EDWARDS HIGH VACUUM INT.
Manor Royal, Crawley, West Sussex, RH10 2LW
Made in England





STS電気図面



SSDS

esqcc

$$2-4-29=27$$

Original Equipment
Manufacturer Manuals

914-4246011/1000-1000
www.1000.com

55-3141-3672

050-3141-3672

7. 2. 12 (2)

7/10/12
050-3141-4139



SURFACE TECHNOLOGY SYSTEMS

TECHNICAL NOTE APPENDED TO THE OPERATOR'S MANUAL

MACHINE TYPE: Mesc Multiplex ICP

Version: V2

Loadlock: Mk 4 Carousel

Gasbox: Mini

SERIAL NUMBER: 22043

CUSTOMER:

PURCHASE ORDER:

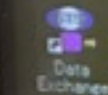
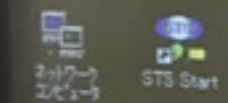
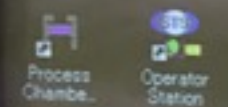
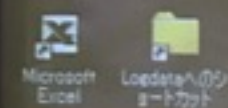
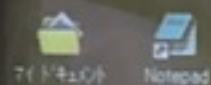
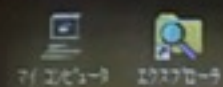
Note to the user

Your system has been supplied with Version 8 of the Operator Station Software. This manual covers version 6 software, version 8 is currently under preparation (Refer to appendices).

The following appendices are included in this manual:

Title	Appendix
Process control	A
Buttons on the Process Control dialogue	B
Changes within the Recipe Editor	C
Automatic venting and by-pass pumping	I

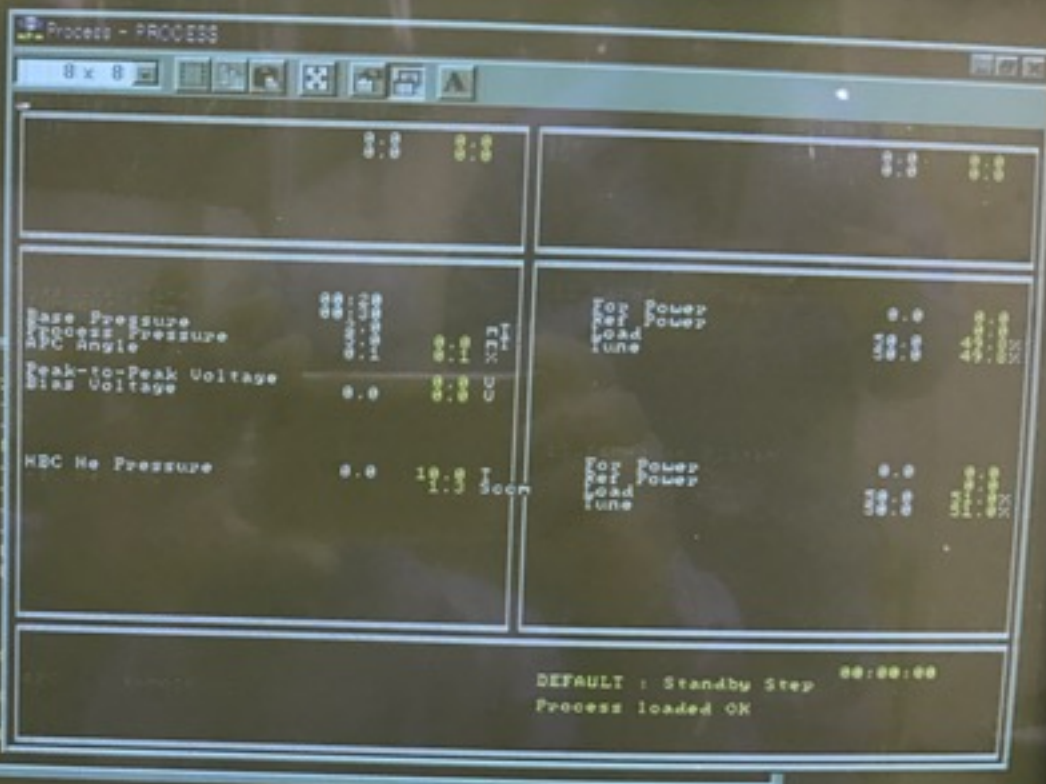
Note: The facilities available are process and system configuration dependent. The changes detailed in these appendices may not reflect those on your system exactly.



Date Exchange Ver.
22043 Sony Shing
Comms V04 11 V04

22043 Sony Shinee

COMMS V04 11 V04





1.44 MB

STS Cluster



client boot disk

PC1, Co93

version: 04-01

PC 1.44 MB

STS software

Microsoft



STS Cluster
client boot disk



1.44 MB
2HD
INFORMATION



STS Cluster
client boot disk



2HD
144 MB

