

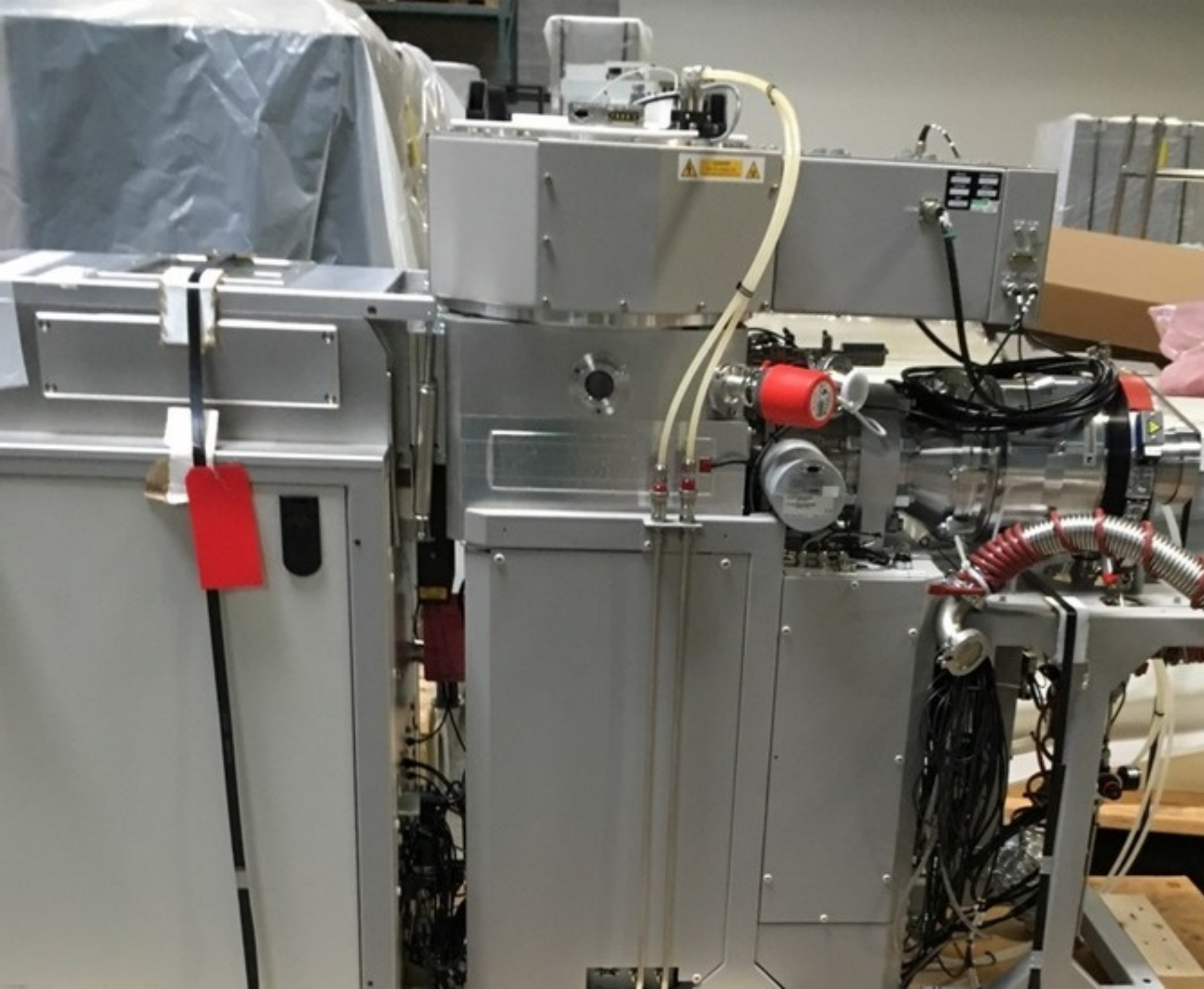


SURFACE TECHNOLOGY SYSTEMS



MULTIPLEX ICP











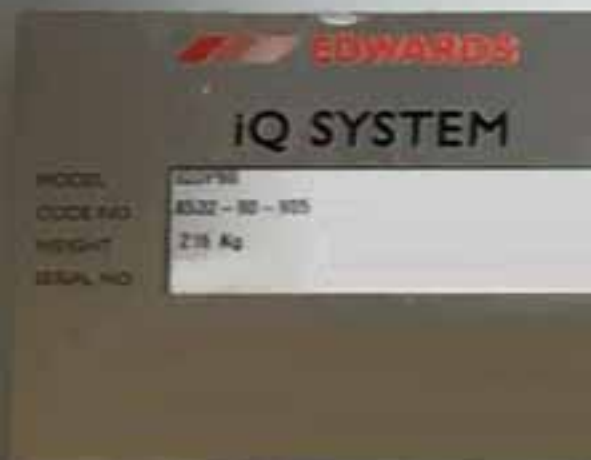
SEAL PRESSURE
WARNING



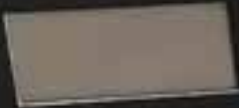
IQDP GAS BALLAST MODULE



EDWARDS







BOARD #1
BOARD #2
BOARD #3
RESET
LASER ON
MOTOR OK

OFFSET

GAIN



ENI



RF POWER
WATTS

ENI

HF GENERATOR



METER SELECT
FORMATTED
REVERSE

STATUS
AC ON
RF ON
MAX POWER
OVERHEAT
REMOTE
SETUP

RF POWER





CSA FT1

P-130

150W 50C 300V WATER RESISTANT (UL)

TEMPERATURE
°C
NESTLAB CORPORATION
Model 75-7500



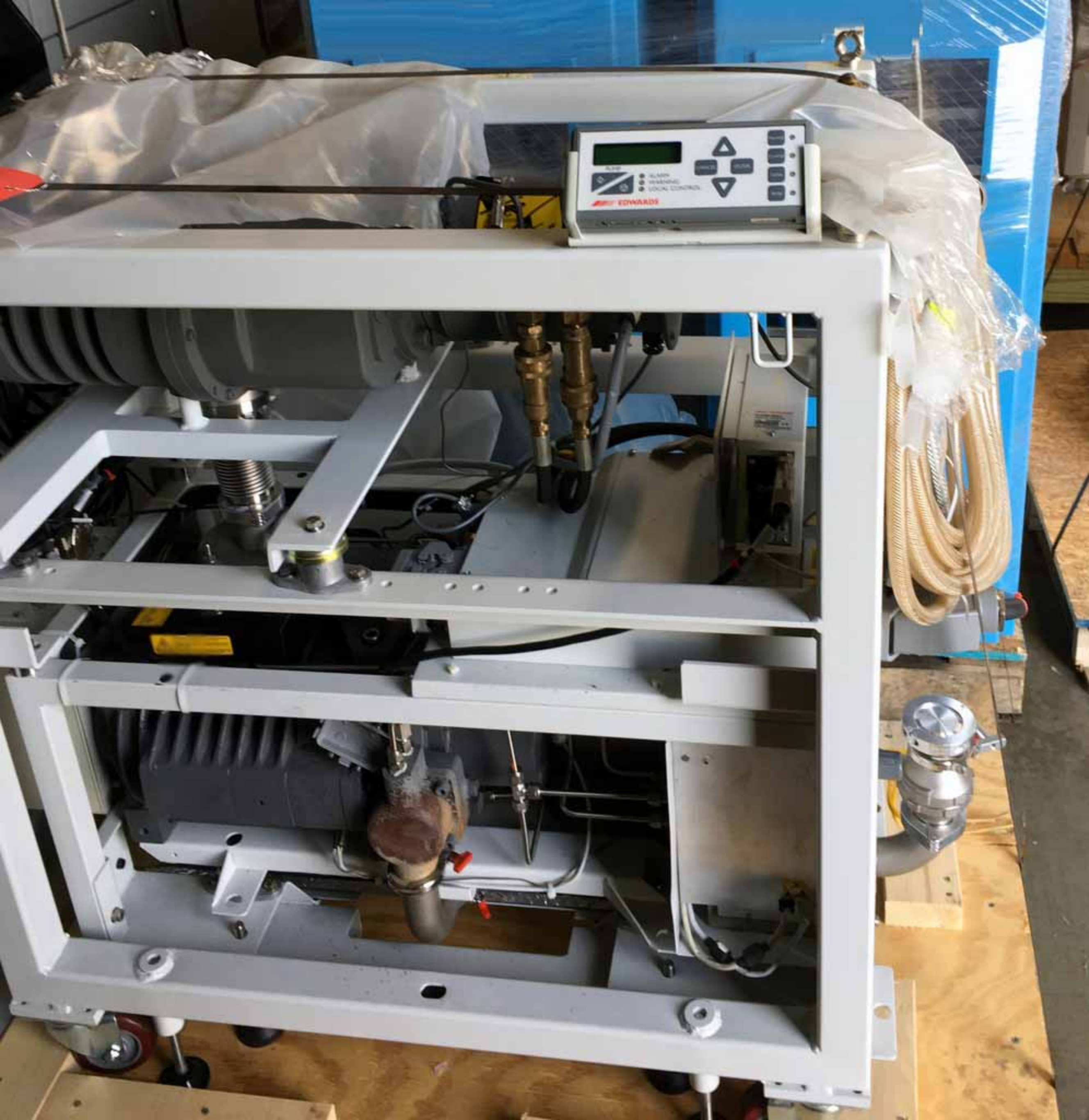
RECIRCULATING
PRESSURE



CFT - 75
REFRIGERATED
RECIRCULATOR



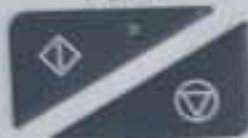








PUMP



- ALARM
- WARNING
- LOCAL CONTROL

EDWARDS



- Normal ●
- Control ●
- Status ●
- Setup ●







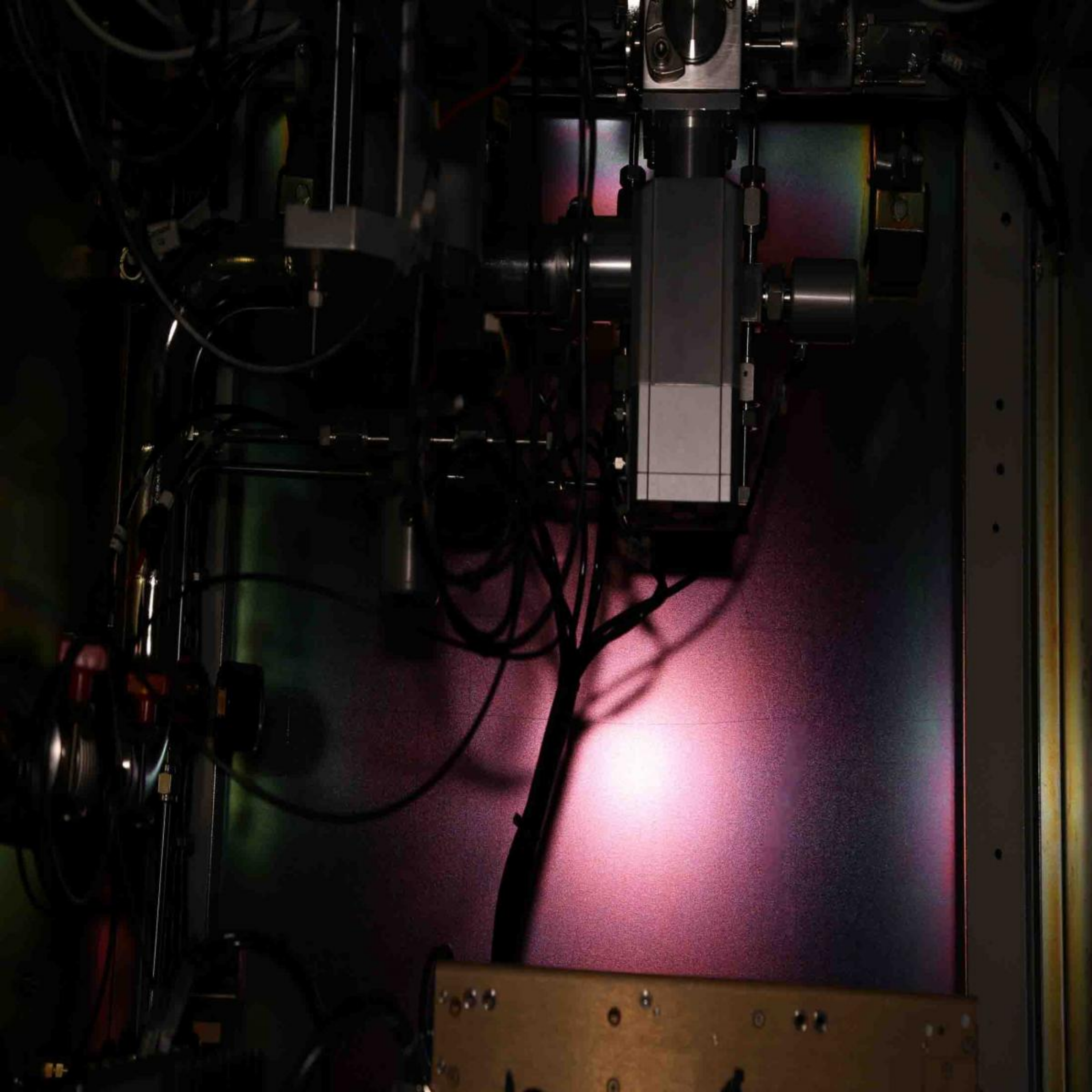


Original Equipment
Manufacturer Manuals

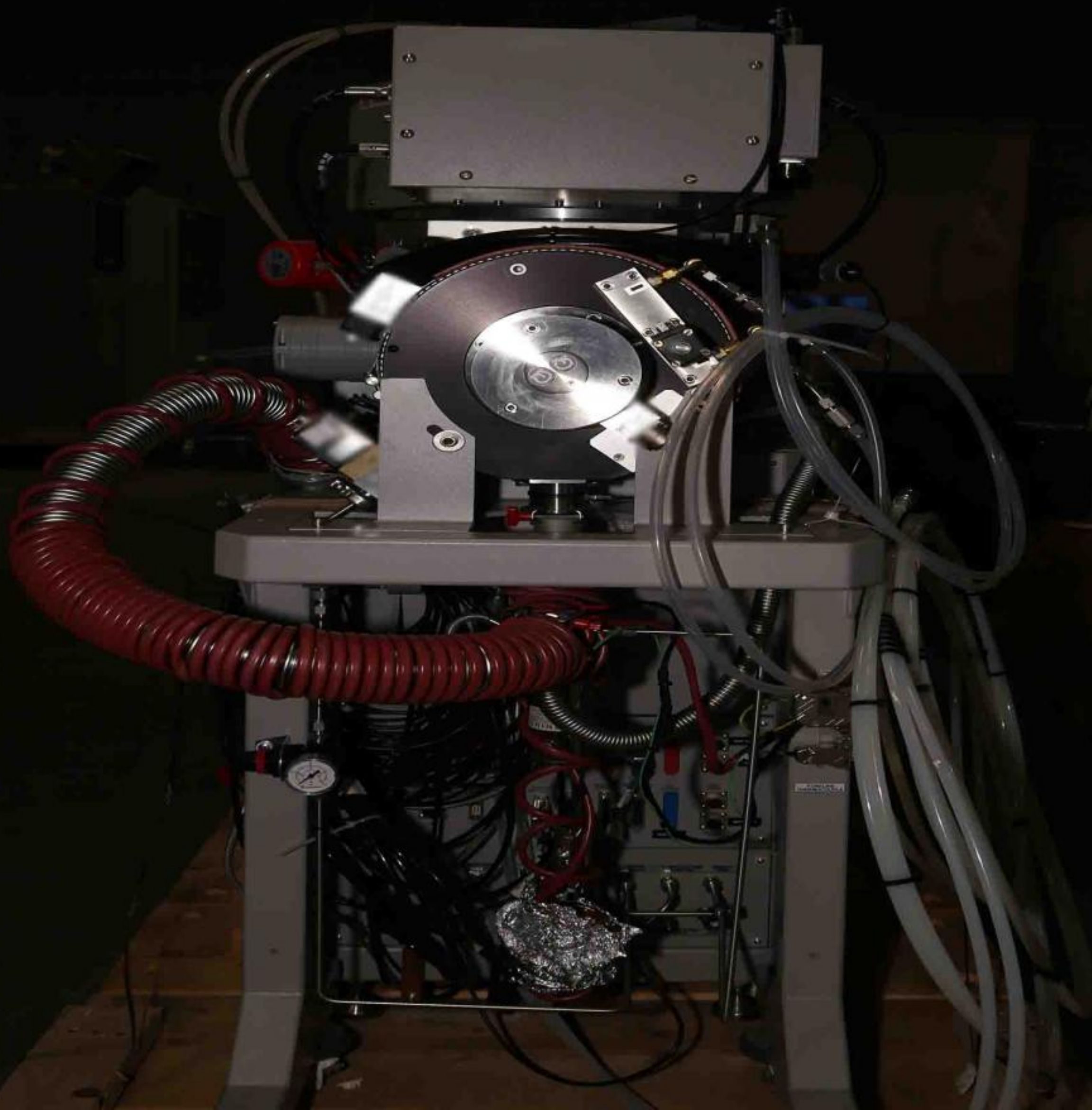


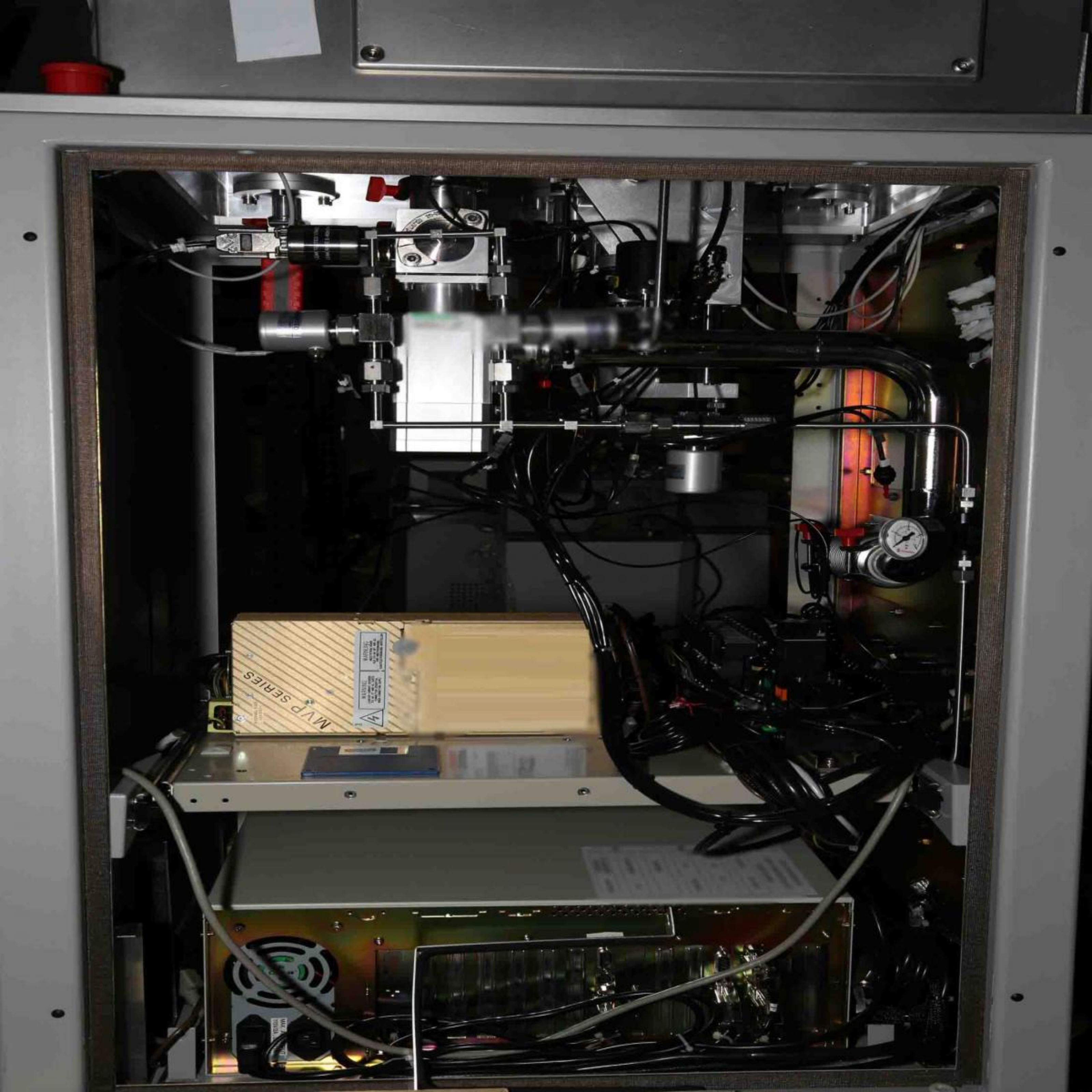












VENT GAS IN



GAS 1 IN

U H P METHANE

CH_4



GAS 2 IN

U H P HYDROGEN

H_2



GAS 3 IN

O₂ GAS

O_2



GAS 4 IN

Ar GAS

Ar



$\frac{1}{4}$ 55



$\frac{1}{4}$ 55



$\frac{1}{2}$ Cl_2



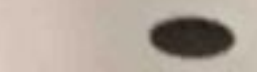
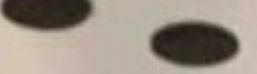
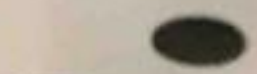
$\frac{3}{4}$ N_2



$\frac{1}{2}$ 55



$\frac{1}{4}$ N_2



MIXED GASES OUT





SURFACE TECHNOLOGY SYSTEMS

Surface Technology Systems
Imperial Park
Newport NP1 8UJ UK
Tel. +44 1633 652400



Machine Type M/PLEX ICP

Serial Number:

Power Supply: 208V 40A
3Ph 50Hz

Manufactured 2000



MACHINE
SUPPLY

PUMP 1
MC BACKING

PUMP 2

PUMP 3
LOADLOCK

CHILLER/
AUXILIARY

MAINS SAFETY
SUPPLY

STS BOSCH ETCHER

POWER DISTRIBUTION



24V DC POWER ON



PHASE PRESENT



PHASE PRESENT



GENERATOR
RF 2

GENERATOR
RF 1

CHAMBER
HEATERS

EXTERNAL
AUXILIARY

TURBO
SUPPLY

24V PSU
MAIN

INTERNAL
AUXILIARY

24V
GAS I/L

24V
MAIN

CONDUCTIVITY METER

INTERLOCK DISPLAY

H.C.L.1

LTH

CHAMBER LID TEMP DISPLAY



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

CONDUCTIVITY METER

LTH MCD53

INTERLOCK DISPLAY

HCL1

CHAMBER LID TEMP DISPLAY

FE OMSGA CH1000

EMERGENCY

INTERLOCK OVERRIDE

FS1 FS2 FS3 FS4

0.25A 0.25A 0.5A 1.5A

WATCHDOG POWER BEFORE REMOVING FUSES

24V DC POWER ON

PHASE PRESENT

PHASE PRESENT

GENERATOR RF 2

GENERATOR RF 1

CHAMBER HEATERS

EXTERNAL AUXILIARY

TURBO SUPPLY

24V PSU MAIN

INTERNAL AUXILIARY

24V GAS I/L

24V MAIN

CONDUCTIVITY METER

LTH MCD53

INTERLOCK DISPLAY

HCL1

CHAMBER LID TEMP DISPLAY

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24V DC POWER ON

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24V DC POWER ON

PHASE PRESENT

PHASE PRESENT

GENERATOR RF 2

GENERATOR RF 1

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24V PSU MAIN

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CONDUCTIVITY METER

LTH MCD53

INTERLOCK DISPLAY

HCL1

CHAMBER LID TEMP DISPLAY

FE OMSGA CH1000

EMERGENCY

INTERLOCK OVERRIDE

FS1 FS2 FS3 FS4

0.25A 0.25A 0.5A 1.5A

WATCHDOG POWER BEFORE REMOVING FUSES







STS
MULTIPLEX 1024

EDWARDS

Vacuum Pump

MODEL
SERIAL NO.
DATE



MADE IN THE U.S.A. BY EDWARDS VACUUM PUMP CO. INC. 10000 EDWARDS BLVD. IRVING, TEXAS 75039



STS
MULTIPLEX 1024

EDWARDS

Vacuum Pump

MODEL
CODE AND
WEIGHT
SERIAL NO.

MODEL
CODE AND
WEIGHT
SERIAL NO.

MADE IN THE U.S.A. BY EDWARDS VACUUM PUMP CO. INC. 3000 14TH AVE. S.W. ALBUQUERQUE, N.M. 87104

STS
ETCHER

