

Transaction Information

| | |
|---------------------|----------------------|
| Tool ID | IMDP-08 |
| Tool Status | Running Wafers |
| Location | Woodlands, Singapore |
| Wafer Size | 200 mm |
| Fab Section | Thin Film |
| Tool Available Date | 2024-12-31 |

General Product Information

| | |
|-------------------|----------------|
| Vendor Supplier | Lam Research |
| Model | Novellus Speed |
| Vintage | 2000 |
| Serial No | 02-20-C26467 |
| Asset Description | Novellus Speed |
| Software Version | 2.37B24 |
| CIM | SECS |
| Process | USG |

Hardware Configuration (Fab)

| System Type | Description | Quantity | Status |
|-------------------|----------------|----------|--------|
| Main System | Novellus Speed | | OK |
| Handler System | Mag7 | 1 | OK |
| Factory Interface | SMIF | 2 | OK |
| Options System | | | |
| Others | | | |

Hardware Configuration (Subfab / Auxilliary Units)

| Description | Quantity | Status |
|-------------|----------|--------|
| NONE | | |

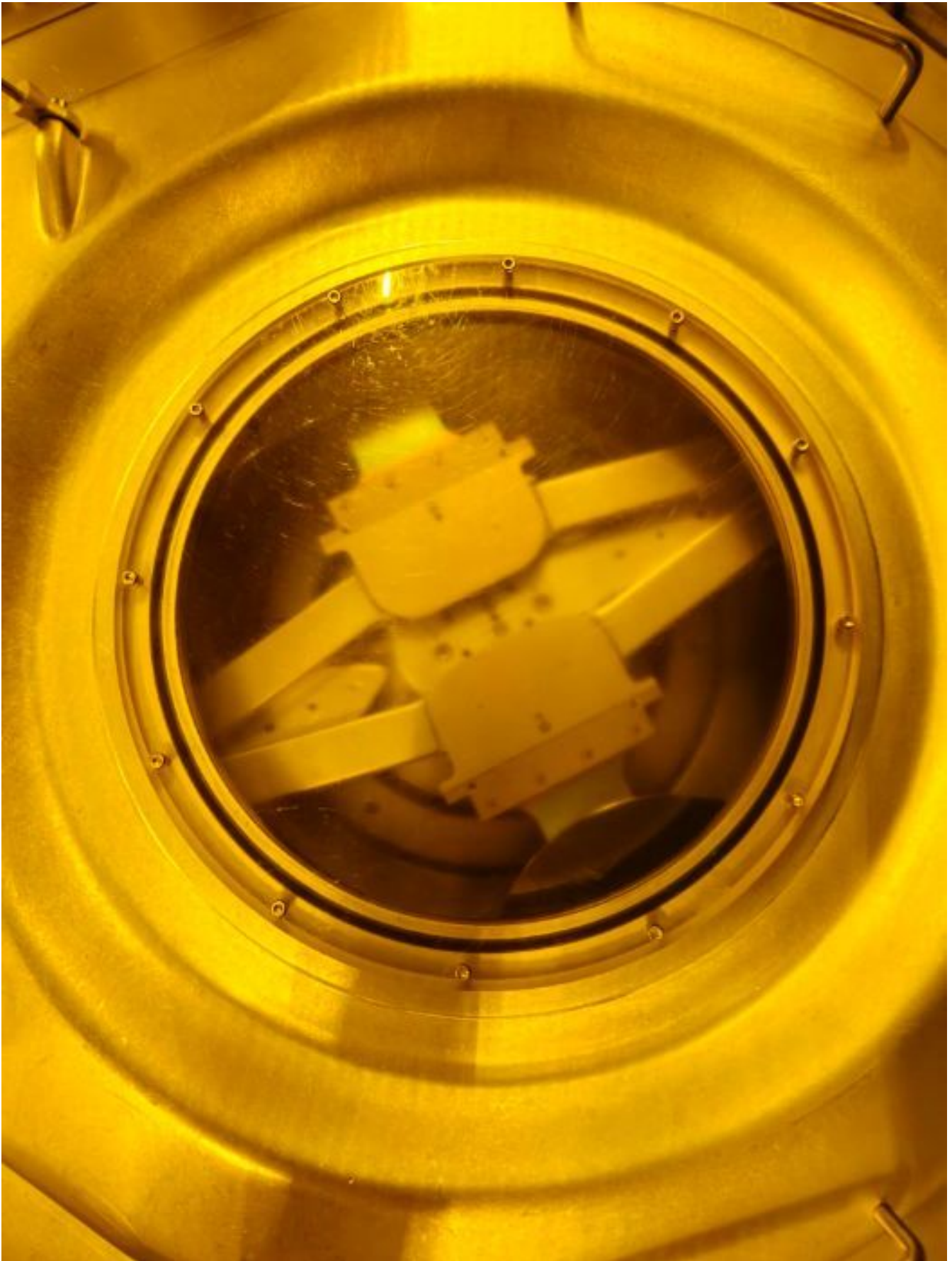
Missing/Faulty Parts / Accesories List

| Description | Quantity |
|--------------|----------|
| Ebara A40W | 2 |
| Ebara 150W-M | |

Tool Pictures

General

General





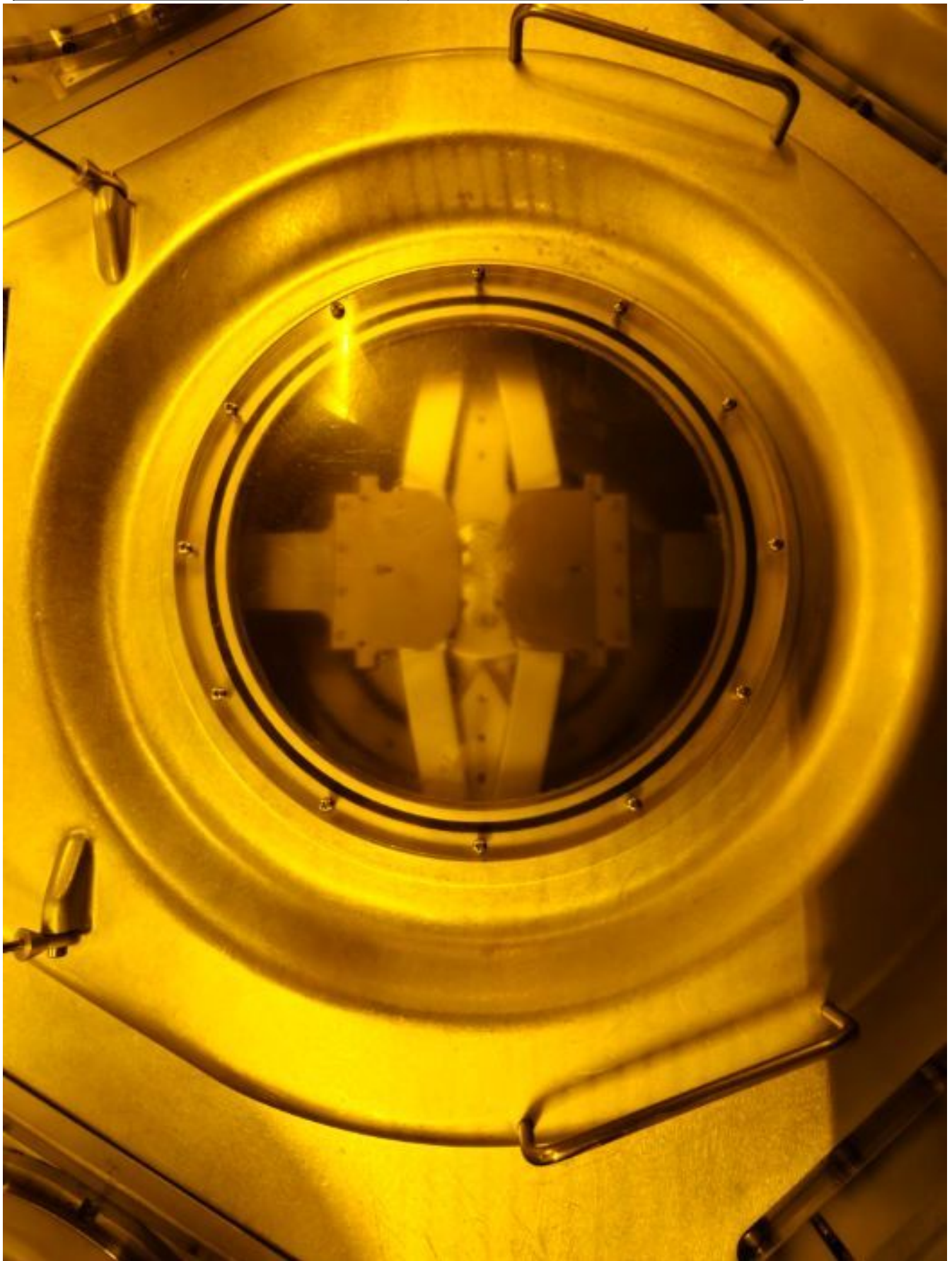
General

General



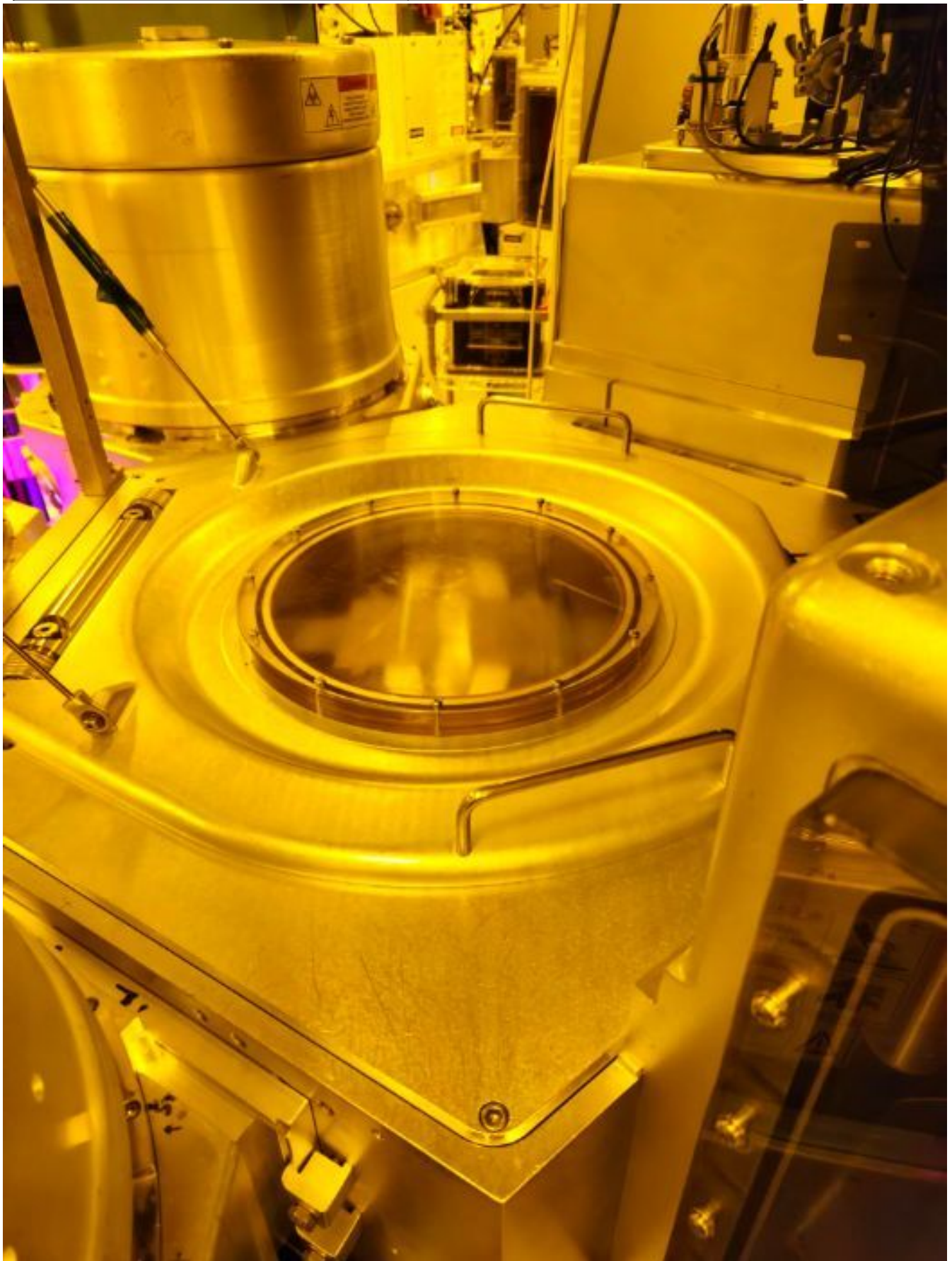
General

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General



Hardware Fab

HW Configuration

| | |
|--|--|
| Equipment ID | IMDP-08 |
| C2 Software Version | 2.37B24 |
| QNX OS Version | 3.2 |
| Process | High Plasma Oxide Density |
| S/N | 02-20-C26467 |
| Facility | |
| Transfer Module Pump | Missing |
| Transfer module turbo pump | PFEIFFER TMH 260 |
| Loadlock Pump | Missing |
| Process pump | Missing |
| Incoming power | 208 Vac,3 phase,50/60 Hz |
| Abatement system | Ebara Sdou |
| SMIF | LPI |
| Cool Station | Single Cool |
| TM robot | MAG 7 |
| Input & Output controller | IOC 0,1,3 |
| Chamber pressure gauge | 10Torr manometer,convectron gauge |
| Loadlock Slit valve actuator | VAT |
| Loadlock Indexer controller | Animatics CECDP2407-1 |
| Process Chamber | |
| High Freq RF gen Model | AE - RFG5500 |
| Low Freq gen Model | CLF5000 |
| Auto RF match | Trazar-Amu10E-2 |
| Pressure Gauge | 100 mTorr gauge 10T manometer,convectron gauge |
| Pressure Gauge manufacturer (for 10T & 1000T manometer) | Tylan General |
| Gate Valve | VAT |
| Throttle Valve | Millipore |
| NTM Temperature controller model | Electric Optical Sys479-535-1512 |
| Fixed match model | Regen SolutionSRN1-2S/R:27-132651-00 |
| Chamber Slit valve actuator (SMC or VAT) | SMC |
| Chamber Slit valve actuator(Nvls Part Number) | 02-121427-00 |
| Turbo Pump model | PFEIFFER TMH 1600 P C |
| Turbo pump controller model | TCP 600 |
| Turbo pump controller model TM | TCP 380 |
| All MFC size | MFC1: Argon 500 sccm MFC2: O2 : 500 sccm MFC3: NF3 1 SLPM MFC4: SiH4 200 sccm MFC5: HE 500 sccm MFC8: H2 : 2 SLPM |

Manufacture Serial

Serial number



Manufacture Serial

Serial number



Manufacture Serial

Serial number

Read under one or more of
the following:
4,255,860 4,998,360 5,791,358
5,287,800 5,270,890 5,290,044
5,294,200 5,413,200 5,440,887
5,556,476

SPEED-S



NOVELLUS
FIRST IN PRODUCTIVITY

3970 N. First Street,
San Jose, CA 95134
U S A

| MODEL NO | ELEC DIAG NO | UNIT TYPE |
|------------------------|---------------------------|--------------------|
| <i>C2-SPEED-S</i> | <i>76-10555-00</i> | <i>Concept Two</i> |
| SERIAL NO | POWER REQUIREMENTS | |
| <i>02-20-C26467</i> | <i>208V - 50/60 Hz</i> | |
| <i>C2-SPEED-S 0992</i> | 3 PHASE FULL LOAD CURRENT | <i>25 AMPS</i> |
| PORT LOCATION | MAX COMPONENT CURRENT | <i>20 AMPS</i> |
| <i>#4 (RIGHT)</i> | | |

ONE OR MORE ASPECT OF THIS SYSTEM ARE
COVERED BY PATENTS PENDING

Manufacture Serial

Serial number

Product is protected under one or more of
following US patents:
6,998,499 6,298,578 6,298,582 6,998,585 6,791,595
6,998,599 6,998,600 6,297,835 6,773,899 6,998,604
6,998,722 6,298,722 6,998,606 6,773,899 6,998,607
6,998,607 6,298,607 6,998,610
patents pending
SERIAL NO Rev. A SPEED-S



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FIRST IN PRODUCTIVITY

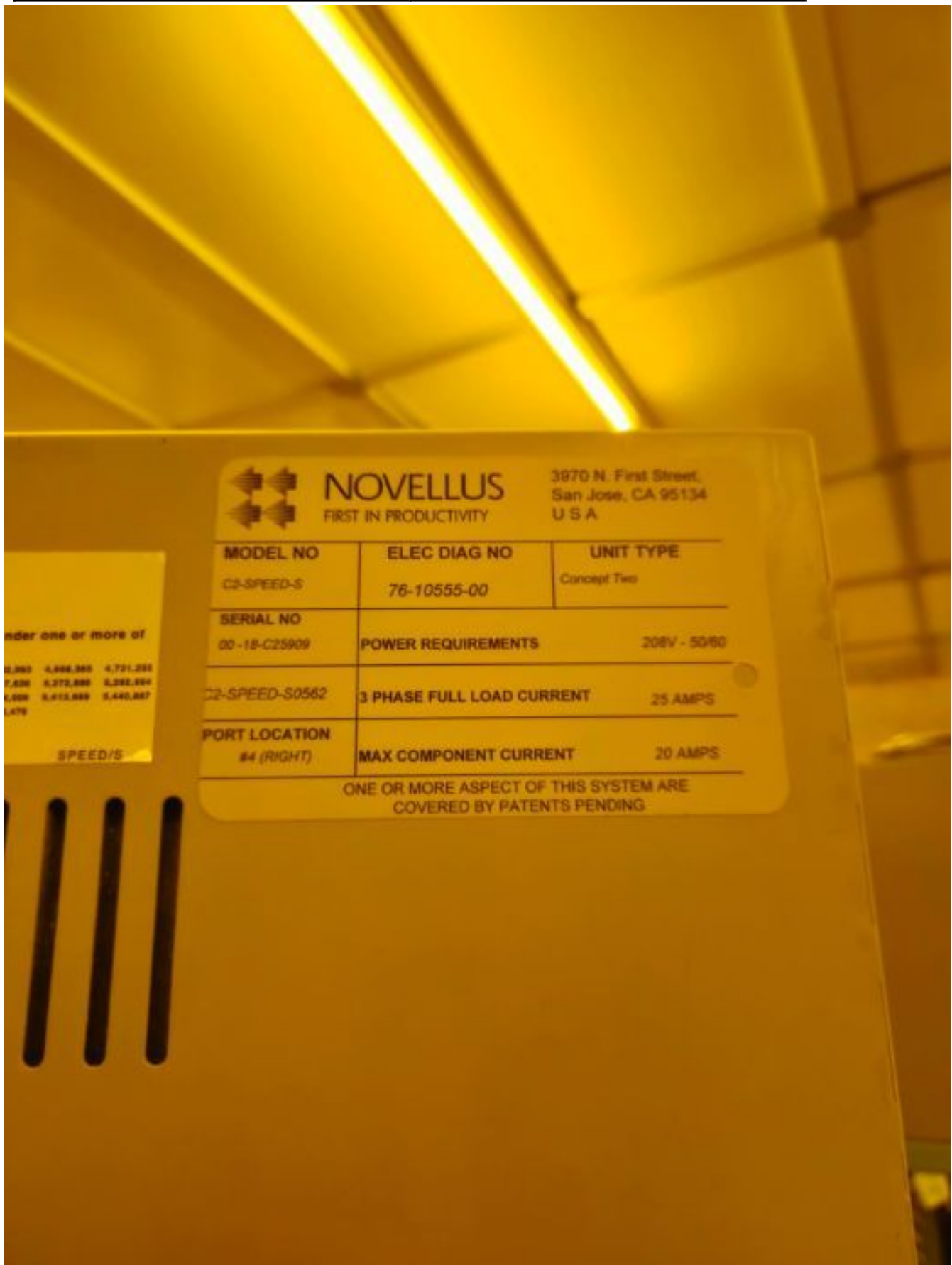
3970 N. First Street,
San Jose, CA 95134
U S A

| | | |
|-----------------------------------|--|---------------------------------|
| MODEL NO C2-SPEED-S | ELEC DIAG NO 76-10555-00 | UNIT TYPE Concept Two |
| SERIAL NO 02-20-C26467 | POWER REQUIREMENTS 208V - 50/60 Hz | |
| C2-SPEED-S 0993 | 3 PHASE FULL LOAD CURRENT | 25 AMPS |
| PORT LOCATION #2 (LEFT) | MAX COMPONENT CURRENT | 20 AMPS |

ONE OR MORE ASPECT OF THIS SYSTEM ARE
COVERED BY PATENTS PENDING

Manufacture Serial

Serial number



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U S A

| MODEL NO | ELEC DIAG NO | UNIT TYPE |
|----------------|---------------------------|---------------------------------|
| C2-SPEED-S | 76-10555-00 | Concept Two |
| SERIAL NO | 00-18-C25909 | POWER REQUIREMENTS 208V - 50/60 |
| C2-SPEED-S0562 | 3 PHASE FULL LOAD CURRENT | 25 AMPS |
| PORT LOCATION | #4 (RIGHT) | MAX COMPONENT CURRENT 20 AMPS |

Order one or more of

2,300 4,598,385 4,721,281
7,526 5,272,886 5,282,894
6,898 5,813,889 5,440,887
L476

SPEED/S

ONE OR MORE ASPECT OF THIS SYSTEM ARE
COVERED BY PATENTS PENDING

Missing Parts

Missing Parts



Missing Parts

Missing Parts



Additional Tool Data Files