

Excess Tools Part List & Accessories Declaration Form

Transaction Type **Retirement for Sale/Trade-In/Scrap/Intercompany/Temporary Storage**

Tool ID **THK28002**

Date **10-Dec-18**

a. General

| Cat | Description |
|-------------------------------|-----------------------|
| Vendor / Supplier | Bruker |
| Model | D8Fabline |
| Process | XRD_Bruker |
| Vintage (Year of Manufacture) | 2015 |
| Serial No. | 209121 |
| Asset Description | |
| Tool Status | Online |
| Software Version | 77-2.3A-6A-5A-5A-R6A |
| CIM | E84, SECS/GEM, GEM300 |

b. Hardware Configuration (Fab)

| Cat | Description | Qty / Units | Status,tick if ok[✓] |
|--|--|-------------|-----------------------|
| Main System | D8 FABLINE MH with TXS | 1 | |
| | High Brightness (2KW) Bruker Rotating Anode HB-TXS | | |
| SMIF System | Spartan EFEM dual load port for 300mm wafers | 2 | |
| | Brooks Automation | | |
| Handler System | Automation software PTO from Peer Group | 1 | |
| | UMC 300 wafer stage with short tracks on primary side | 1 | |
| Options | Primary optics for micro diffraction, TXS X-ray system | 1 | |
| | LynxEye detector for secondary side + mount | 1 | |
| | Waferchuck | 1 | |
| Others (Pls specify if any) | Pattern recognition software | 1 | |
| | Keyence laser triangulation module for fast height alignment | 1 | |

c. Hardware Configuration (Subfab / Auxilliary Units)

| Sub Accessories / Auxilliary Units | Qty / Units | Status,tick if ok[✓] |
|------------------------------------|-------------|-----------------------|
| | | |
| | | |

d. Missing/Faulty Parts / Accesories List

(If NO missing/faulty parts/accessories please indicate NA)

| Description | Qty / Units |
|----------------------------|-------------|
| No missing parts | |
| Total Estimated USD | |

Tool Photos (Photos must make sense to show all the major parts intact)

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a. General

| Description | Photos |
|--|---|
| Eqpt ID |  |
| Vendor / Supplier / Model INCLUDE A PHOTO OF THE SERIAL NUMBER TAG THAT IS AFFIXED TO THE TOOL. |  |

b. Hardware Configuration (Fab)

| Description | Photos |
|-----------------------|--|
| Main System |  |
| SMIF System | |
| Handler System | |
| Chambers | |
| Others | |

c. Hardware Configuration (Subfab / Auxilliary Units)

| Description | Photos |
|-------------|--------|
| | |

d. Missing Parts [photos showing major missing parts]

| Description | Photos |
|-------------|--------|
| | |

Equipment Configuration

| | |
|--|---------------------------------------|
| Eqpt ID | THK28002 |
| Tool Status | Online |
| Chamber Components | |
| Tool Description | BRUKER XRD TOOL |
| Supplier Name | BRUKER |
| Model Number | D8Fabline |
| Tool's Recipe Capability | Multiple Recipe |
| Does the tool have a SECS/GEM interface? | Yes |
| How many ports does this tool have? | 2 |
| Protocol Zones Allowed | BEOL,FEOL,HK,MOL,N2BE |
| | |
| Chamber ID's or Station ID's | Chamber or Station Description |
| NA | |