

## Transaction Information

Tool ID	FVX2487
Tool Status	Connected
Location	Malta, USA
Wafer Size	300 mm
Fab Section	Diffusion
Tool Available Date	2023-05-23

## General Product Information

Vendor Supplier	HITACHI KOKUSAI
Model	DJ-1236VN-DF
Vintage	2015
Serial No	T2DC6-16595-1
Asset Description	FVX2487-T - KOKUSAI DJ-1236VN-DF
Software Version	91700
CIM	E84, SECS/GEM, GEM300, Interface A
Process	TiN_ALD

## Hardware Configuration (Fab)

System Type	Description	Quantity	Status
Main System	Quixace Ultimate	1	OK
Handler System	Boat elevator	1	OK
Options System			
Others			
Factory Interface	NONE	1	OK
Factory Interface	NONE	2	OK
Factory Interface	SMIF	2	OK

## Hardware Configuration (Subfab / Auxilliary Units)

Description	Quantity	Status
NONE		

## Missing/Faulty Parts / Accesories List

Description	Quantity
2Z0T01819	1
PS13 Pin connector	1
Exhaust pipe	4
Bolt	1
Fan driver	1
Heater TC	1
Circular posts	2
LA panels	1
VG15 Baratron	1

# Tool Pictures

General	Eqpt ID and MF
---------	----------------



No	Description
	<b>Platform : QUIXACE-II or ULTIMATE</b>
<b>1</b>	<p><b>- Basic Tool Configuration</b></p> <ul style="list-style-type: none"> <li>- Mainbody and Axes</li> <li>- Wafer Transfer Robot</li> <li>- OHT(VO) Stage</li> <li>- Clean Unit Module</li> <li>- Operation Controller (CX5000)</li> <li>- Gas Pattern Panel</li> <li>- Integrated Gas Unit : Fujikin/CKD 1.125 inch Stick Type</li> <li>- MFC : STEC/CKD</li> <li>- Exhaust Box</li> <li>- Valve Box (BCD/CVD)</li> <li>- Power Box (480V-3Phase, 120V or 208V-Single Phase)</li> <li>- Semi Standard (S2,S8)</li> <li>- Packing and Domestic Transportation</li> <li>- Installation</li> <li>- 12 months standard warranty period</li> </ul> <p><b>Accessories</b></p> <ul style="list-style-type: none"> <li>- Rapid Heating/Cooling Mech. For Heater</li> <li>- Boat Rotation</li> <li>- Initial Quartzware Set (BCD-Quartz, Diffusion-SiC Boat/Liner)</li> <li>- N2 Purge System(BCD/CVD)</li> <li>- Bubbling(&amp; Bottle Heater) Unit for TiN</li> <li>- Heating Unit(around furnace port)(BCD/CVD)</li> <li>- External Torch Unit(Oxide)</li> <li>- MP Transfer Robot(Wafer Detection System(cross))</li> <li>- Gas Unit System for Ta precursor</li> <li>- Gas Unit System for Al precursor and TMA Box</li> <li>- Gas Line for Cl2 cleaning capability</li> <li>- TiN PC Kit(Filters, Valve Heater)</li> <li>- Clamp Heater</li> <li>- Ampoules for TiCl4 and TMA (HIKE)</li> <li>- Seismic Restraint</li> <li>- S3 Configuration items specified by customer</li> </ul>
<b>OP</b>	<p><b>Optional Item</b></p> <ul style="list-style-type: none"> <li>EEMS License</li> <li>EDA - Interface A</li> <li>Chemical Filter(O3)</li> </ul>

General

Eqpt ID and MF



General

Eqpt ID and MF

No.	Description	TIN	TIN	Low-k/SiOCN	Thick Si3N4	Harp Anneal	Thin Oxide	
	Platform : QUIXACE-II or ULTIMATE	Q2/KEK	QU/HKE	QU/HKE	QU/HKE	Q2/HKE	Q2/HKE	(B
		Single Boat	Dual Boat	Single Boat	Single Boat	Single Boat	Single Boat	

Manufacture Serial

Serial Plate

**Hitachi Kokusai Electric Inc.**

**VERTICAL LOW-PRESSURE CVD SYSTEM**

MODEL: DJ-1236VN-DF MFG.NO: T2DC6-16595-1 MFG.DATE:

VOLTAGE	480 VAC, 3 PHASE	120 VAC, 1 PHASE	VAC, PHASE
	3 WIRE+GROUND	2 WIRE+GROUND	WIRE+GROUND
FREQUENCY	60 Hz	60 Hz	Hz
FULL LOAD CURRENT	212 A	17 A	A
MACHINE MAIN BREAKER RATING	300 A	30 A	A
AMPERE RATING OF LARGEST LOAD	200 A	12 A	A
BOOR OF INDUSTRIAL CONTROL PANEL	50 K A	100 K A	K A
ELECTRICAL DIAGRAM NUMBER	D7EX43470, D7EX44288, D7EX44289, D7EX43488		

TOYAMA WORKS 2-1 Yasuuchi Yatsuo-Machi Toyama-Shi Toyama-Ken 939-2393 Japan

09/29/2018 15:22

## Additional Tool Data Files