



S O S G R O U P

TEL-Tokyo Electron
TELINDY PLUS-I-M1 ALD_SiN Furnace
SN S000020745426
Vintage 01-07-2020

**TELINDY PLUS-I-M1 ALD_SiN Furnace
SN S000020745426**

located Nijmegen the Netherlands

TELINDY PLUS™ represents the convergence of demonstrated experience and leading edge thermal processing technology. TELINDY™ platform.

Process performance and productivity have continued to improve and further expanded to ALD applications. The highest levels of productivity have been achieved by combining 125 wafer load size with TEL's FTPS™ responsive heater capable of rapid heating and cooling coupled with a dual boat system option. TELINDY PLUS™ application ALD SiN

This specific machine has only been used in a R&D project 1 year, saying this its in as new condition.

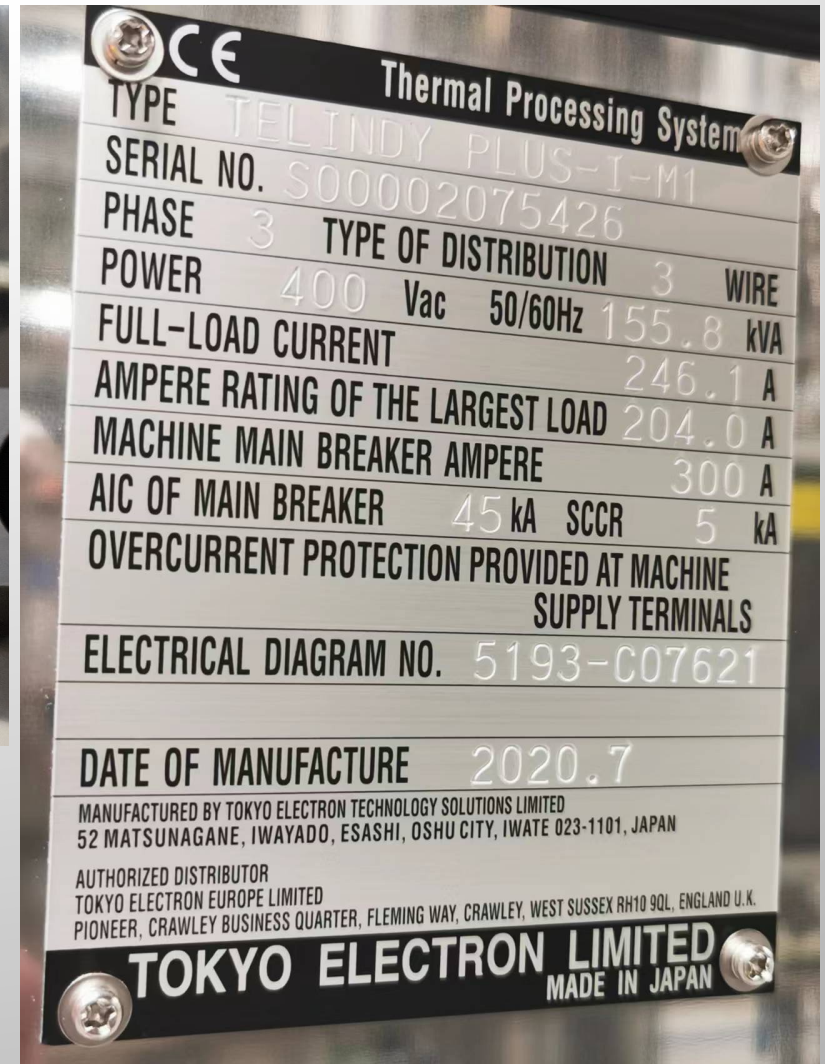
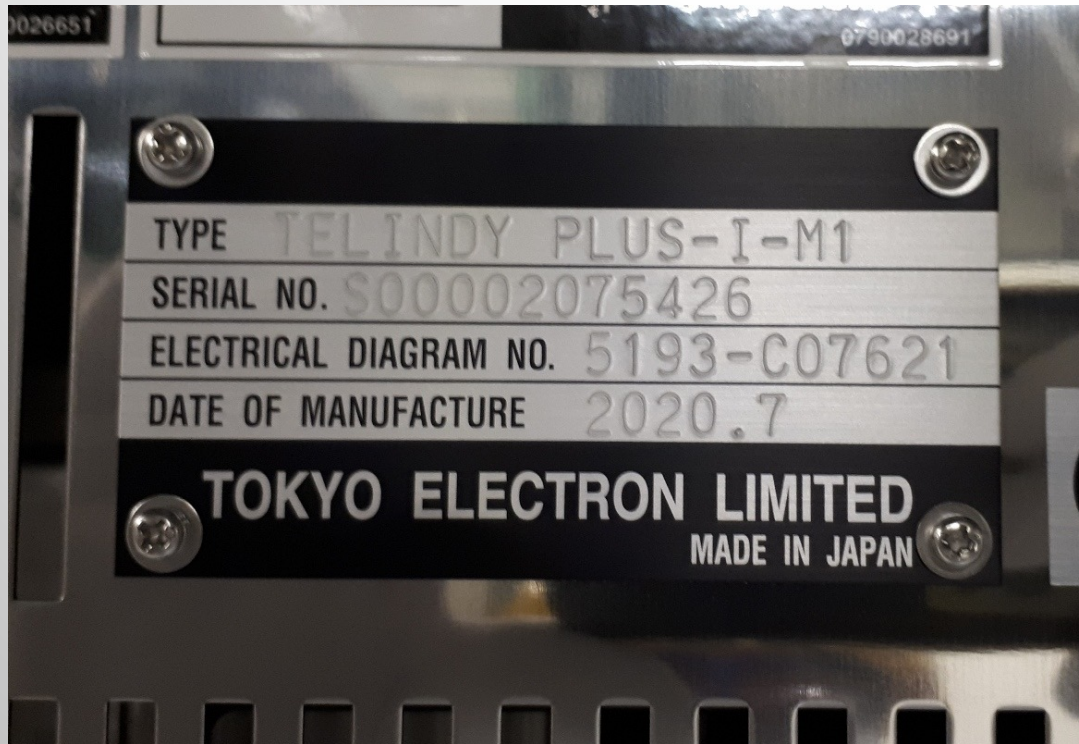


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TELINDY PLUS GAS PARTS LIST

2020/10/19 18:42:31
190201
TEL Confidential

Link dwg No : 5192-211535-1*

Process: ALD-SiN

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△	-	-		
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△	20-05-20	CHANGE DRAWING	EATPOO-101177	江畑

承認	検定	設計	製図	尺度	SCALE	年月日	yyyy-mm-dd	名称	TITLE
APPROVED	CHECKED	DESIGNED	DRAWN		NTS	2020-02-21		GAS PARTS LIST	
TEL		東京江畑		TEL		5198-B02610-12		REV. 1/5	

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PARTS LIST				NAME : ALD-SiN	No. : 5198-B02610-12	DATE : 2020-02-21	
No.	ITEM No.	PARTS NAME	PARTS TYPE	MFG	Q' TY	CONNECTION	NOTES
1	HV NX1, M11, D11 XF11, V11	HAND VALVE	MMGD5-IDV2-D-K	CKD	5	W-SEAL	
2	F NX1, M11, D11 XF11, V11	FILTER	CNF1004USG4	PALL	5	----	GASKET FILTER
3	F NX2, N12, N22 M12, D12	FILTER	WGLSHW1MP-T	ENTEGRIS	5	W-SEAL	
4	F XF12	FILTER	SGLFPF6402 VMM4	PALL	1	VCR	
5	RG NX, NY, V1	REGULATOR	PGM-H-60-5-T	CKD	3	W-SEAL	
6	RG M1, NR	REGULATOR	PGM-50-5-T	CKD	2	W-SEAL	
7	RG D1	REGULATOR	PGM-30V-5-T	CKD	1	W-SEAL	
8	PT NX, NY, M1 D1, V1, NR	PRESSURE TRANSMITTER	ZT16-ZW1-D71100 (-0.1~0.5MPa)	NAGANO KEIKI	6	W-SEAL	
9	PT XF1	PRESSURE TRANSMITTER	ZT16-Z60-C7110	NAGANO KEIKI	1	W-SEAL	
10	PT NX, NY, M1 D1, V1, NR	DIGITAL PANEL METER	K3GN-NEC1-FLK	OMRON	6	----	
11	PT XF1	DIGITAL PANEL METER	K3GN-NEC6-FLK	OMRON	1	----	
12	MFC NX	MASS FLOW CONTROLLER	SEC-Z522MGXNO-14W2 N2 50SLM	STEC	1	W-SEAL	
13	MFC NY	MASS FLOW CONTROLLER	SEC-Z512MGXO-14W2 N2 500SCCM	STEC	1	W-SEAL	
14	MFC N1, N2	MASS FLOW CONTROLLER	SEC-Z512MGXO-14W2 N2 10SLM	STEC	2	W-SEAL	
15	MFC M1	MASS FLOW CONTROLLER	SEC-Z522MGXNO-14W2 NH3 10SLM	STEC	1	W-SEAL	
16	MFC D1	MASS FLOW CONTROLLER	SEC-Z522KXNO-14W2 SiH2Cl2 5SLM	STEC	1	W-SEAL	
17	MFC XF1	MASS FLOW CONTROLLER	SEC-Z522KXNC-T50-14W2 HF 5SLM	STEC	1	W-SEAL	
18	MFC V1	MASS FLOW CONTROLLER	SEC-Z522MGXNO-14W2 20%F2/N2 20SLM	STEC	1	W-SEAL	

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19	MFC NXF1, NV1	MASS FLOW CONTROLLER	SEC-Z511XC-14W2 N2 500SCCM	STEC	2	W-SEAL	
20	MFC NN1	MASS FLOW CONTROLLER	SEC-Z512MGXC-14W2 N2 50SCCM	STEC	1	W-SEAL	
21	MFM M1	MASS FLOW METER	SEF-Z522MGXN-14W2 NH3 10SLM	STEC	1	W-SEAL	
22	MFM D1	MASS FLOW METER	SEF-Z522KXN-14W2 SiH2Cl2 5SLM	STEC	1	W-SEAL	
23	AV NR1, NX1 NY1, N21	AIR OPERATE VALVE	MAGD5-11D-W-1	CKD	4	W-SEAL	CV VALUE 0.26
24	AV N11-13	AIR OPERATE VALVE	MAGD5-02A-W-11	CKD	1	W-SEAL	CV VALUE 0.1W-BLOCK V
25	AV M11-13, D11-13 XF11-13, V11-13	AIR OPERATE VALVE	MAGD5-02A-W-31	CKD	4	W-SEAL	CV VALUE 0.1 WITH P.S W-BLOCK V
26	AV NG1, NG2, NG3	AIR OPERATE VALVE	AGD11V-4RM-F <i>2020/10/19 16:48:01</i> <i>190201</i>	CKD	3	JXR	CV VALUE 0.26
27	AV NP2, NP3	AIR OPERATE VALVE	AGD01V-X0163 <i>TEL Confidential</i>	CKD	2	W-SEALXJXR	CV VALUE 0.1
28	CV M13, D13 XF13, V13	CHECK VALVE	MCGP5-F1-023-KA	CKD	4	JXRW-SEAL	
29	VG6	CAPACITANCE MANOMETER	631D13T8FHBB	MKS	1	VCR	HOT TYPE (150°C)
30	HV NG4	HAND VALVE	FUBFL-71-9. 52-PA-UP	FUJIKIN	1	UJR	
31	AV NG4/NP4/IP4	AIR OPERATE VALVE	FBNHDL-9. 52X6. 35-3B4-PA-LMY	FUJIKIN	1	W-SEALXUPG	
32	AV NG5/NP5/IP5	AIR OPERATE VALVE	FBNHDL-9. 52X6. 35-3B4-PA-LJQ	FUJIKIN	1	W-SEALXUPG	
33	AV NR2	AIR OPERATE VALVE	FPR-SD-71-6. 35	FUJIKIN	1	UJR	
34	F NR2	FILTER	GSG-V4-1-N	MOTT	1	----	GASKET FILTER
35	MFC NR	MASS FLOW CONTROLLER	SEC-G111AMC-4CR-SUC N2 500SCCM	STEC	1	VCR	
36	RG1/BV1, RG3/BV3	REGULATOR UNIT	AC26X-02-B-X2106	SMC	2	----	

TO: TELINDY FROM: LDFE
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37	RG2/BV2	REGULATOR UNIT	AC26X-02-B-X2105	SMC	1	----	
38	RG4	REGULATOR	AR25-02B-B	SMC	1	----	
39	P. SW1, 2, 14, 18	PRESSURE SWITCH	AP-C33P	KEYENCE	4	SWAGELOK	
40	HV1, HV2	HAND VALVE	FUBFL-71-9. 52-2-PA-BR	FUJIKIN	2	UJR	
41	IV1	AIR OPERATE VALVE	FPR-71RS1-9. 52-PA	FUJIKIN	1	UJR	WITH P. S
42	IV2	AIR OPERATE VALVE	FP-71RS1-9. 52-2-PA-BR	FUJIKIN	1	UJR	WITH P. S
43	IV7	AIR OPERATE VALVE	FPR-71RS1-9. 52-2-PA-BR	FUJIKIN	1	UJR	WITH P. S
44	VV1, VV2	AIR OPERATE VALVE	FPR-71-9. 52-2-PA-BR	FUJIKIN	2	UJR	
45	SSV	AIR OPERATE VALVE	FPR-71-6. 35-2-PA-BR	FUJIKIN	1	UJR	
46	MV	CYLINDER VALVE	VEC-VF9-X1001/VEC-CF8-X0001	CKD	1	NW100	
47	CV1	CHECK VALVE	IC8-1/3-VUA-48	KITZ	1	VCR	
48	NV1	NEEDLE VALVE	FUBFN-71L-6. 35-DFZ	FUJIKIN	1	UJR	
49	VG1	CAPACITANCE MANOMETER	631D11T8FHBB	MKS	1	VCR	HOT TYPE (150°C)
50	VG2, P. SW22	CAPACITANCE MANOMETER	631D13T8FHBB	MKS	2	VCR	HOT TYPE (150°C)
51	VG3	CAPACITANCE MANOMETER	625D11TCEEB	MKS	1	VCR	HOT TYPE (100°C)
52	P. SW11	PRESSURE SWITCH	226A-33032	MKS	1	VCR	
53	MBP/DP	DRY PUMP UNIT			1	----	CUSTOMER SUPPLY
54	BV21, 22	BALL VALVE	A-11800-1/2	IHARA	2	VTRXBi-LOK	

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55	F21, 22	FILTER	GF-D50L	NIPPON SEISEN	2	----	
56	RG21	REGULATOR	RC2000-20X0079	CKD	1	----	
57	RG22	REGULATOR	RC2000-X0078	CKD	1	----	
58	PG21, 22	PRESSURE GAUGE	G49D-6-P10-P9	CKD	2	----	
59	FC NL LA1	FLOW CONTROL SYSTEM	NF-200-100-8S-X001	CKD	1	----	
60	FC NBS LA4	FLOW CONTROL SYSTEM	NF-200-040-8S-X001	CKD	1	----	
61	FM NFA, NFB	FLOW METER	FSM2-PVF201-S08U-FL451295	CKD	2	----	
62	PB1-NVNFA PB2-NVNFB	AIR OPERATE VALVE	AGD11R-4S-X0024 <i>190201</i>	CKD	2	SWAGELOK	
63	BV23	BALL VALVE	3QV-06-06 <i>TBL Confidential</i>	CKD	1	ONE-TOUCH	
64	RG23	REGULATOR	RB500-LSC6-T	CKD	1	----	
65	P. SW21	PRESSURE SWITCH	PPX-R10P-6M-FL451539	CKD	1	----	
66	F23, 24	FILTER	VENT-TF7	NIPPON SEISEN	2	----	
67	F26	FILTER	WGMXBSS4	ENTEGRIS	1	SWAGELOK	
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Reference Drawing

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