

Babcock & Brown Electronics Management Product Datasheet

Babcock & Brown Electronics Management offers a wide variety of semiconductor equipment for sale. A full list can be found at <http://bbem.keyassets.com>. Most tools can be reconfigured to customer requirements and can be fully refurbished in the joint Air Products / BBEM Refurbishment Center in Chandler, AZ. Viewing and demonstration can be arranged for most tools. Please contact Babcock & Brown Electronics Management should you require more information on this or any other tool.

Tokyo Electron Alpha 8SE

Type	Description
Wafer Diameter	200 mm
Vendor Tool Serial #	M00000225013
Year	2002
Operational Status	Operational prior to de-installation
OEM	Tokyo Electron
Tool Model	Alpha 8SE
Process	Nitride
Software Version	3.11 R002
System Power Rating	C208V 40KVA 3 Phase 3 wire
Loading Configuration	6 Load Position

Process Configuration

Description	Chemicals / Gases Used
N/A	

System Configuration

	Module / Unit	#
1	Main System	1
	L type (LL) Furnace Main Cabinet with Scavenger	
	WAVES Furnace New Controller	
	Photohelic Gauge	
	Boat Elevator	
	Wafer Load Automation	
	16 Cassette Stocker	
	Temperature Controller (M121)	
	Furnace Monitor, Power Control Unit	
	Remote Utility & Gas Cabinet	
	Spike / Paddle Inner T/C for Ration/Paddle Mix	
	Auto Shutter	
	Gas System (N ₂ -6, NH ₃ , 3SiCl ₂ H ₂)	
2	Options	1
	(1) Signal Tower	
	(2) Pitch Change Mechanism	
	(3) UPS	
	(4) WAVES Remote	
	(5) GEM Communication	
3	N ₂ Load Lock Ambient Control Option	1
5	System layout type LR-Type	
6	Process pressure - Proprietary Information	
7	Load size 171 slots	
8	Load lock purge system	
9	Process gas 1 PN ₂ N ₂ 1 (Purge): 50L	
10	Process gas 2 PN ₂ N ₂ 2 (Purge): 200CC	
11	Process gas 3 PN ₂ N ₂ 3 (Purge): 5L	
12	Process gas 4 PN ₂ N ₂ 4 (Purge): 5L	
13	Process gas 5 NH ₃ NH ₃ (BTM): 2L	
14	Process gas 6 3SiCl ₂ H ₂ 3SiCl ₂ H ₂ (BTM): 200CC	
15	Process gas 7 PN ₂ N ₂ 7 (Purge): 200L	
16	Process gas 8 PN ₂ N ₂ 8 (Purge): 200L	
17	Gas Type - Integrated Gas System	
18	Tubing material - Stainless steel	
19	Tubing Finish - Electro-polish	

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|----|---|
| 20 | Manual valve - Fujikin |
| 21 | Fitting Type - VCR |
| 22 | Air-Operated valve - Fujikin |
| 23 | Filter - Millipore |
| 24 | Regulator - Veriflo |
| 25 | MFC - Aera (Digital) |
| 26 | Pressure transducer - Millipore or NAGANO |

System Images

Serial Number



Front View



Rear View



Power Box, UPS

