

Transaction Information

Tool ID	MCIMP-08
Tool Status	Connected
Location	Singapore
Wafer Size	200 mm
Fab Section	Implant
Tool Available Date	2024-12-31

General Product Information

Vendor Supplier	Applied Materials South East Asia Pte. Ltd
Model	EHP 500
Vintage	1998
Serial No	ES193496
Asset Description	PEA758
Software Version	13.42.18
CIM	GEM and SECS
Process	ION IMPLANTATION SYSTEM

Hardware Configuration (Fab)

System Type	Description	Quantity	Status
Main System	Main Unit	1	OK
Factory Interface	SMIF	0	OK
Others			
Handler System	Endstation PP+ with both LOADLOCK	1	
Options System			

Hardware Configuration (Subfab / Auxilliary Units)

Description	Quantity	Status
scrubber Exhaust	1	OK
2 stage rough pump	1	OK
Load lock rough pump	1	OK

Missing/Faulty Parts / Accesories List

Description	Quantity
scrubber Exhaust	1
source turbo pump	1
Beamline turbo pump	1
2 stage rough pump	1
LHS and RHS turbo pump	2
Load lock rough pump	1
source rough pump	1
Analyzer turbo pump	1

Tool Pictures

General

main machine



Hardware Fab

Endstation with PP+ on both
LOADLOCK



Hardware Sub-fab

Scrubber and LL + 2 stage rough pump



ION IMPLANTATION SYSTEM

Model

54P-500

Serial No.

ES193496

Manufactured

JANUARY 1998

Facility Requirements

Electrical	208 Volts 3 Phase 5 Wire	43.2 KVA	120 FLA
	200A Main CB	42,000 AIC	50 Hertz
	75A Max. Sgl. Load	E10001220 System Schem. #	
	Max. Beam Energy	2250 KV	
Water	Inlet Press.	40-150 psi (min./max.)	275.8-1034.2 kPa
	Press. Drop	40 psi	275.8 kPa
	Flow Rate	10 gpm (min.)	37.9 l/min
	Inlet Temp.	40-70 F (min./max.)	4-21 C
Nitrogen	Press.	40-150 psi (min./max.)	137.9-1034.2 kPa
Air	Press.	100-150 psi (min./max.)	689.4-1034.2 kPa
Exhaust	Flow Rate	300 cfm (min.)	8.5 m ³ /min
	Press. Drop	1.5 in H ₂ O	373.36 Pa
Weight		23,350 lbs	10,601.4 kg

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OVERCURRENT PROTECTION PROVIDED AT MACHINE SUPPLY TERMINALS.

Missing Parts

missing part item



Missing Parts

missing part item



Missing Parts

missing part item



Missing Parts

missing part item



Missing Parts

missing part item



Missing Parts

missing part item



Missing Parts

missing part item



Missing Parts

missing part item



Additional Tool Data Files