

NV-GSD SERIES ION IMPLANTER
ON-SITE MACHINE CHECK SHEET

NV-GSD SERIES

High Current
Ion Implantation System

On-Site Machine Check Sheet

Customer

Representative

Location

Model

☐ **80KeV**

☐ NV-GSD-Class

☐ NVGSD100

☐ NV-GSD200

☐ NV-GSD200E

☐ NV-GSD200EE

☒ **160KeV**

☐ NV-GSD-Class

☐ NVGSD100

☐ NV-GSD200

☒ NV-GSD200E

☐ NV-GSD200EE

Serial Number

Vintage

1995

Wafer Size

☐ 125mm

☒ 150mm

☐ 200mm

NV-GSD SERIES ION IMPLANTER
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**NV-GSD SERIES ION IMPLANTER
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Section 1 - Introduction

The Checking outlined in this document is performed on a stand-by of the machine. This document will be used to apply for requiring quotation of the Customer or Representative.

NV-GSD SERIES ION IMPLANTER ON-SITE MACHINE CHECK SHEET

Section 2 - NV-GSD Series Check Sheet

2-1. Terminal Region

01. Source	☒ Bernas	☐ ELS
Note :		
02. Vaporizer	☐ Yes ☒ No	☐ Type:
Note :		
03. Electrode Assembly	☒ VAE	☐ 3-Axis
Note :		
04. Source Gas Con't DI	☒ Yes	☐ No
Note :		
04. Gas Channel	☒ #1 ☒ #2 ☒ #3 ☒ #4	
	☒ High Pressure Gas ☒ SDS	Phosphine and Arsine
Note : Leak Valve Control System		
05. Cathode PS(ELS)	☐ Yes ☒ No	Not Available
Note :		
07. S.Control DI	☒ Yes	☐ No
Note :		
08. Vaporizer PS	☒ Yes	☐ No
Note :		
09. Filament PS	☒ Yes ☐ No	Type:
Note :		
10. Arc PS	☒ Yes	☐ No
Note :		
11. Extraction HVPS	☒ Yes ☐ No	Type:
Note :		
12. Suppression PS	☒ Yes	☐ No
Note :		
13. Terminal PD DI	☒ Yes	☐ No
Note :		
14. Analyzer Magnet PS	☒ Yes ☐ No	Type:
Note :		
15. Source Magnet PS	☒ Yes ☐ No	Type:
Note :		
16. T.Control DI	☒ Yes	☐ No
Note :		

**NV-GSD SERIES ION IMPLANTER
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Section 2 - NV-GSD Series Check Sheet, Continued

17. Gaussmeter/Probe	☒ Yes	☐ No
Note :		
18. T.Electronic DI	☒ Yes	☐ No
Note :		
19. Source Turbo/Con't	☒ Yes	☐ No Model: Laybold 1600
Note :		
20. Beam Guide Ass'y	☒ Yes GSD200	☐ No
Note :		
21. V2 Valve	☒ Yes	☐ No
Note :		
22. High Voltage Stack	☒ Yes	☐ No ☐ "C" Resister
Note :		
23. Source Rough Pump	☒ Yes	☐ No Model: Laybold Oil Pump
Note :		
24. Isolation Tank	☒ Yes	☐ No
Note :		
25. Etc. / Comment		

NV-GSD SERIES ION IMPLANTER ON-SITE MACHINE CHECK SHEET

Section 2 - NV-GSD Series Check Sheet, Continued

2-2. Resolving/Service Regio

01. Ground PD DI	☒ Yes	☐ No	
	Note :		
02. Accel HVPS	☒ Yes	☐ No	
	Note :		
03. Accel Suppression	☒ Yes	☐ No	
	Note :		
04. Accel HV Stack	☒ Yes	☐ No	
	Note :		
05. Pull out Frame	☒ Yes	☐ No	
	Note :		
06. Robot Control DI	☒ Yes	☐ No	
	Note :		
07. In-Air Control DI	☒ Yes	☐ No	
	Note :		
08. Gyro Control DI	☒ Yes	☐ No	
	Note :		
09. Cryo On-board DI	☒ Yes	☐ No	
	Note :		
10. Loadlock Control DI	☒ Yes	☐ No	
	Note :		
11. Electron Shower PS	☒ Yes	☐ No	
	Note :		
12. Electron Shower Ass'y	☒ Yes	☐ No	Type: SEF
	Note :		
13. Ground Bar	☒ Yes	☐ No	
	Note :		
14. Cryo Pump(P2,3,9)	☒ Yes	<u>2</u> EA ☐ No	Model: CTI Torr-8 and Torr-10
	Note :		
15. Cryo Compressor	☒ Yes	<u>2</u> EA ☐ No	Model: 8200 and 8500
	Note :		
16. Roughing Pump (RP2)	☒ Yes	☐ No	Model: Laybold Oil Pump
	Note :		

**NV-GSD SERIES ION IMPLANTER
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Section 2 - NV-GSD Series Check Sheet, Continued

17. Flag Faraday	☒ Yes	☐ No
Note :		
18. Quad Assembly	☒ Yes	☐ No
Note :		
19. Wire Harness	☒ Yes	☐ No
Note :		
20. Cell Controller	☒ Yes 133	☐ No
Note :		
21. Data Link Hub	☐ Yes	☒ No
Note :		
22. Etc. / Comment		

NV-GSD SERIES ION IMPLANTER ON-SITE MACHINE CHECK SHEET

Section 2 - NV-GSD Series Check Sheet, Continued

2-3. EndStation Region

01. Disk W/Spare	☒ Yes	1	EA	☐ No	Type:
Note :					
02. Rotary Drive Motor	☒ Yes	Belt Drive	☐ No	☐ Upgraded(Direct)	
Note :					
03. Cassette Table(4)	☒ Yes	☐ No			
Note :					
04. Dose Control DI	☒ Yes	☐ No			
Note :					
05. Rotary Drive DI	☒ Yes	☐ No			
Note :					
06. Y-scan Control DI	☒ Yes	☐ No			
Note :					
07. Disk TC Control DI	☒ Yes	☐ No			
Note :					
08. HCIG Controller	☒ Yes	☐ No	Type:		
Note :					
09. Cassette Door	☒ Yes	☐ No			
Note :					
10. In-Air Robot	☒ Yes	☐ No			
Note :					
11. Flat Aligner	☒ Yes	☐ No			
Note :					
12. Load Buffer	☒ Yes	☐ No			
Note :					
13. Vacuum Cassette	☒ Yes	☐ No			
Note :					
14. Dummy Buffer	☒ Yes	☐ No			
Note :					
15. Cassette Stand	☒ Yes	☐ No			
Note :					
16. Resister Box	☒ Yes	☐ No			
Note : For Rotary Drive.					

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Section 2 - NV-GSD Series Check Sheet, Continued

17. In-Vac Arm	☒ Yes	☐ No
Note :		
18. Disk Removal Tool	☐ Yes	☒ No
Note :		
19.Sun Workstation	☒ Yes	☐ No
Model: Sun Spark 5		
Contents : Body,Mouse, Pad, Monitor, Keyboard, Hub		
Note :		
20. Wafer Holder	☒ Yes	☐ No
Note :		
21. Clamp	☒ Yes	☐ No
Note :		
22. Laminar Flow Hood	☒ Yes	☐ No
Note :		
Note :		
23. Etc. / Comment		

NV-GSD SERIES ION IMPLANTER ON-SITE MACHINE CHECK SHEET

Section 2 - NV-GSD Series Check Sheet, Continued

2-4. Ground Region

01. Main PD DI	☒ Yes	☐ No
Note :		
02. DI Water Reservoir	☒ Yes	☐ No
Note :		
03. Disk Chiller	☒ Yes	☐ No ☐ Model:
Note :		
04. Power Cable	☐ Yes	☐ No
Note :		
05. 2nd Sun Workstation	☐ Yes	☒ No ☐ Model:
Contents : Body, Mouse, Monitor, Keyboard		
Note :		
06. Work Table	☒ Yes	☐ No
Note :		
07. Oscilloscope	☒ Yes	☐ No
Note :		
08. Options	☐ Smoke Detector	
	☐ Water Detector	
	☐ AGV	
	☐ P8 Turbo Pump	
	☐ Cassette-to-Cassette	
	☐ Sonic Sensor	
	☐ UPS	
	☐ Others	
Note :		
09. Etc. / Comment		

**NV-GSD SERIES ION IMPLANTER
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Section 3 - System Overview

3-1. Overview

01. Laminar Flow	Laminar Flow Hood	3	Block
	Note :		
02. Outer Door	Outer Door	EA	
	Inner Door	EA	
	Note :		
03. Panel	Loop Panel	EA	
	Outer Enclosure Panel	EA	
	Lead Panel	EA	
	Endstation Glass Panel	EA	
	Floor	EA	
04. Manual/Drawing	Note :		
	Operation Manual	EA	
	Maintenance Manual	EA	
	Endstation Align/Calibration Manual	EA	
	Original Vendor Manual	EA	
05. System Software	System Drawing	EA	
	Note :		
06. Etc. / Comment	S/W Version :		
	Note :		





