

EQUIPMENT INTEGRATION EXPERIENCE DETAIL

<u>Specific Tool Integrated</u>	<u>Diameter</u>	<u>Software Tool Used</u>
Metryx Mentor	300mm	300mm version
AMAT Centura	300mm	ACM Testing / CCS Envoy
AMAT Centura	300mm	ACM Testing / CCS Envoy
AMAT Producer	300mm	ACM Testing / CCS Envoy
AMAT Producer	300mm	ACM Testing / CCS Envoy
AMAT Reflexion	300mm	ACM Testing / CCS Envoy
ASML TwinScan	300mm	ACM Testing / CCS Envoy
Asyst Sorter	300mm	ACM Testing / CCS Envoy
Axcellis Summit ES3i	300mm	ACM Testing / CCS Envoy
Dainippon Screen (DNS) FC3000	300mm	ACM Testing / CCS Envoy
FSI Polaris	300mm	ACM Testing / CCS Envoy
KLA-Tencor SP1	300mm	ACM Testing / CCS Envoy
LAM 2300	300mm	ACM Testing / CCS Envoy
LAM-2300	300mm	ACM Testing / CCS Envoy
Novellus Altus / Speed	300mm	ACM Testing / CCS Envoy
Novellus Inova	300mm	ACM Testing / CCS Envoy
Novellus INOVA xT	300mm	ACM Testing / CCS Envoy
Novellus Sabre	300mm	ACM Testing / CCS Envoy
Rudolph Metapulse	300mm	ACM Testing / CCS Envoy
Accent Caliper	300mm	ACM Testing / Secsim Pro
AMAT Complus	300mm	ACM Testing / Secsim Pro
AMAT Enabler	300mm	ACM Testing / Secsim Pro
AMAT Endura	300mm	ACM Testing / Secsim Pro
AMAT Quantum X	300mm	ACM Testing / Secsim Pro
AMAT Reflexion	300mm	ACM Testing / Secsim Pro
AMAT SemVision	300mm	ACM Testing / Secsim Pro
ASM Levitor	300mm	ACM Testing / Secsim Pro
Axcelis Optima Implanter	300mm	ACM Testing / Secsim Pro
Axcelis Rapidstrip	300mm	ACM Testing / Secsim Pro
Blue 29	300mm	ACM Testing / Secsim Pro
Brooks ZARIS	300mm	ACM Testing / Secsim Pro
EBARA FREX300	300mm	ACM Testing / Secsim Pro
Jordan Valley	300mm	ACM Testing / Secsim Pro
KLA-Tencor eCD2	300mm	ACM Testing / Secsim Pro
KLA-Tencor HRP340	300mm	ACM Testing / Secsim Pro
KLA-Tencor Metrix 100	300mm	ACM Testing / Secsim Pro
LAM 2300 Etchers	300mm	ACM Testing / Secsim Pro
Leica / Vistec LDS3300	300mm	ACM Testing / Secsim Pro
Nikon Stepper S208	300mm	ACM Testing / Secsim Pro
Novellus Inova (AFA)	300mm	ACM Testing / Secsim Pro
Novellus Vector (AFA)	300mm	ACM Testing / Secsim Pro
QC Solutions	300mm	ACM Testing / Secsim Pro
RUDOLPH WaferView320	300mm	ACM Testing / Secsim Pro
Semitoold Raider	300mm	ACM Testing / Secsim Pro
Semitoold Raider	300mm	ACM Testing / Secsim Pro
SEZ DaVinci	300mm	ACM Testing / Secsim Pro
SEZ DaVinci DV34	300mm	ACM Testing / Secsim Pro
TEL Alpha 303i Furnace	300mm	ACM Testing / Secsim Pro

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<u>Specific Tool Integrated</u>	<u>Diameter</u>	<u>Software Tool Used</u>
Thermawave Optiprobe	300mm	ACM Testing / Secsim Pro
ULTRATECH Laser Anneal V100	300mm	ACM Testing / Secsim Pro
Veeco 340	300mm	ACM Testing / Secsim Pro
Veeco VX340	300mm	ACM Testing / Secsim Pro
ZEISS Axiospect	300mm	ACM Testing / Secsim Pro
AMAT Centura	300mm	Autoshell
AMAT Complus	300mm	Autoshell
AMAT Endura	300mm	Autoshell
AMAT G2 SemVision	300mm	Autoshell
AMAT Producer Etch	300mm	Autoshell
AMAT Producer SE	300mm	Autoshell
AMAT Vantage	300mm	Autoshell
Axcelis Fusion Gemini	300mm	Autoshell
Boxer Cross	300mm	Autoshell
CDE Resmap	300mm	Autoshell
KLA Quantox	300mm	Autoshell
KLA Quantox CV	300mm	Autoshell
Kokusai Furnace	300mm	Autoshell
LAM Alliance 2300 Etchers	300mm	Autoshell
Novellus ALTUS, SPEED and Vector CVD	300mm	Autoshell
SCP Eclipse 300	300mm	Autoshell
Tel Alpha 303i Furnace	300mm	Autoshell
Tel Alpha 303i Furnace	300mm	Autoshell
Tel Formula Furnace	300mm	Autoshell
Varian Viista 80, 810HP, 3000	300mm	Autoshell
SCP Eclipse	300mm	Autoshell, Tcl, Sigma
TEL Telius	300mm	Autoshell, Tcl, Sigma
Thermawave Optiprobe 7340	300mm	Autoshell, Tcl, Sigma
UW300Z	300mm	Autoshell, Tcl, Sigma
ASML XT1250, XT850	300mm	CCS Envoy
Asyst Spartan Sorter	300mm	CCS Envoy
BLUE29	300mm	CCS Envoy
BLUE29 ACMS	300mm	CCS Envoy
BTU Oven	300mm	CCS Envoy
EBARA EAC300Si	300mm	CCS Envoy
EBARA ELP300	300mm	CCS Envoy
EBARA F-REX300S	300mm	CCS Envoy
OEG Surfrens	300mm	CCS Envoy
PHILIPS AMS 3300	300mm	CCS Envoy
REVERA RVX5000	300mm	CCS Envoy
RIGAKU TXRF	300mm	CCS Envoy
RUDOLPH WaferView320	300mm	CCS Envoy
TSK WIN WIN 1500	300mm	CCS Envoy
ULTRATECH V100	300mm	CCS Envoy
VEECO Dimension X-1D	300mm	CCS Envoy
VEECO VX340/X3D	300mm	CCS Envoy
ZEISS Axiospect	300mm	CCS Envoy

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<u>Specific Tool Integrated</u>	<u>Diameter</u>	<u>Software Tool Used</u>
ZEISS MMT300	300mm	CCS Envoy
AMAT Centura - Enabler	300mm	CEI
AMAT Centura Enabler	300mm	CEI
AMAT Centura EPI	300mm	CEI
AMAT Centura EPI HPCVD	300mm	CEI
AMAT Centura Radiance	300mm	CEI
AMAT Centura Ultima	300mm	CEI
AMAT Endura	300mm	CEI
AMAT Producer Etch	300mm	CEI
AMAT Producer SE	300mm	CEI
AMAT QUANTUMX	300mm	CEI
AMAT Radiance	300mm	CEI
AMAT Reflexion	300mm	CEI
AMAT Reflexion	300mm	CEI
AncoSys Ancolyzer	300mm	CEI
ASM Epsilon	300mm	CEI
ASM Levitor	300mm	CEI
Asyst Spartan Sorter	300mm	CEI
Asyst Wafer Sorter	300mm	CEI
Axcelis Paradigm	300mm	CEI
CDE Resmap	300mm	CEI
DaVinci DV34BF	300mm	CEI
DaVinci DV38F	300mm	CEI
DNS FC3000/3100	300mm	CEI
Ebara ELP300	300mm	CEI
FSI Zeta	300mm	CEI
Hitachi CDSEM 9380	300mm	CEI
KLA 2810	300mm	CEI
KLA PUMA	300mm	CEI
KLA SP2	300mm	CEI
KLA-Tencor 2365 / 2367	300mm	CEI
KLA-Tencor Metrix 100	300mm	CEI
KLA-Tencor Puma	300mm	CEI
Lam 2300 Exelan	300mm	CEI
LAM2300	300mm	CEI
Leica / Vistec LDS3300	300mm	CEI
Mattson Suprema	300mm	CEI
Nikon NSR-S208 / Tel Lithius Photo Lithography	300mm	CEI
Nissin Exceed	300mm	CEI
QC Solutions ICT-300	300mm	CEI
SDI Faast350	300mm	CEI
SEMIGear Geneva	300mm	CEI
Semitool ACMS XT	300mm	CEI
Semitool Spectrum 300	300mm	CEI
Solvision PRECIS 3D	300mm	CEI
Tel Alpha 303i Furnace	300mm	CEI
TEL Etch Unity	300mm	CEI

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<u>Specific Tool Integrated</u>	<u>Diameter</u>	<u>Software Tool Used</u>
TEL Sink	300mm	CEI
Thermawave Optiprobe with Timbre	300mm	CEI
Veeco VX340	300mm	CEI
Metryx Mentor	300mm	GEM version
ASYST Sorter	300mm	IBM-MSP/Java
DNS FC3000	300mm	IBM-MSP/Java
FSM	300mm	IBM-MSP/Java
KLA 2430	300mm	IBM-MSP/Java
Masston A300	300mm	IBM-MSP/Java
MATTSON A3	300mm	IBM-MSP/Java
Novellus Inova	300mm	IBM-MSP/Java
Novellus Sabre	300mm	IBM-MSP/Java
Novellus Vector	300mm	IBM-MSP/Java
SEZ 4300-DD	300mm	IBM-MSP/Java
Thermawave TP630XP	300mm	IBM-MSP/Java
AMAT Centura CVD	300mm	iGear / STATIONworks
AMAT DPS	300mm	iGear / STATIONworks
AMAT EMAXCT	300mm	iGear / STATIONworks
AMAT Endura II	300mm	iGear / STATIONworks
AMAT Verity SEM	300mm	iGear / STATIONworks
Aviza Celcior	300mm	iGear / STATIONworks
Aviza furnace	300mm	iGear / STATIONworks
Aviza RVP	300mm	iGear / STATIONworks
Axcelis HC3	300mm	iGear / STATIONworks
Axcelis HE3	300mm	iGear / STATIONworks
Axcelis Summit	300mm	iGear / STATIONworks
Cannon Stepper	300mm	iGear / STATIONworks
DNS FC-300	300mm	iGear / STATIONworks
DNS FC3000	300mm	iGear / STATIONworks
FEI CLM	300mm	iGear / STATIONworks
KLA Archer	300mm	iGear / STATIONworks
KLA HRP	300mm	iGear / STATIONworks
Leica INS 3300 (MICRO)	300mm	iGear / STATIONworks
Leica LDS 3300 (MACRO)	300mm	iGear / STATIONworks
Mattson Aspen III	300mm	iGear / STATIONworks
Mattson HELIOS RTP	300mm	iGear / STATIONworks
Mattson SCP	300mm	iGear / STATIONworks
Mattson Steag	300mm	iGear / STATIONworks
Nanometrix	300mm	iGear / STATIONworks
Negevtech	300mm	iGear / STATIONworks
Nikon NRM 3100 Overlay	300mm	iGear / STATIONworks
Nikon SF 130 Stepper	300mm	iGear / STATIONworks
Novellus Altus Concept2	300mm	iGear / STATIONworks
Rudolph Matrix	300mm	iGear / STATIONworks
Rudolph Metapulse	300mm	iGear / STATIONworks
SDI FFAST	300mm	iGear / STATIONworks
SEZ Davinci	300mm	iGear / STATIONworks
TEL Trias	300mm	iGear / STATIONworks

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Varian Vista 80	300mm	iGear / STATIONworks
Varian Vista 810	300mm	iGear / STATIONworks
Veeco VX340	300mm	iGear / STATIONworks
ALPS (WaferMap to SECS converter)	300mm	SECSIM Pro
ATC SORT Tester	300mm	SECSIM Pro
DataCon (Die Placement)	300mm	SECSIM Pro
ASM A412	300mm	SiView 4.0, Java, XML, CCS Envoy, MQ Series, DB2, WebSphere, Linux
AMAT Centura	300mm	STATIONworks
AMAT Centura DPSII	300mm	STATIONworks
AMAT Centura DUAL	300mm	STATIONworks
AMAT Centura EmaxCT	300mm	STATIONworks
AMAT Centura Ultima	300mm	STATIONworks
AMAT Endura	300mm	STATIONworks
AMAT Endura	300mm	STATIONworks
AMAT GEMVISION	300mm	STATIONworks
AMAT Producer	300mm	STATIONworks
AMAT Reflexion	300mm	STATIONworks
AMAT Reflexion	300mm	STATIONworks
ASM	300mm	STATIONworks
ASM A412	300mm	STATIONworks
ASML AT150	300mm	STATIONworks
ASML Thermal Furnace	300mm	STATIONworks
Asyst Spartan Sorter	300mm	STATIONworks
AXCELIS Paradigm	300mm	STATIONworks
Brooks Sorter MTX2000	300mm	STATIONworks
Brooks ZARIS	300mm	STATIONworks
CANON Stepper iZ	300mm	STATIONworks
DNS FC3000	300mm	STATIONworks
Ebara Frex300	300mm	STATIONworks
Ebara Frex300S	300mm	STATIONworks
KLA SP1	300mm	STATIONworks
KLA SP1	300mm	STATIONworks
KOYO Lindberg Furnace	300mm	STATIONworks
LAM 2300 Etchers	300mm	STATIONworks
MATTSON AST3000	300mm	STATIONworks
Mattson Helios	300mm	STATIONworks
Nikon SF130	300mm	STATIONworks
Novellus ALTUS C3	300mm	STATIONworks
Novellus INOVA	300mm	STATIONworks
Novellus SPEED C3	300mm	STATIONworks
Philips AMS IR3000	300mm	STATIONworks
Rigaku WaferX300	300mm	STATIONworks
SEZ RST/DSP	300mm	STATIONworks
SSM 6100 FastGate	300mm	STATIONworks
TEL ACT 8 Clean Track	300mm	STATIONworks
Tel Act12	300mm	STATIONworks
Tel Lithius	300mm	STATIONworks

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TEL SCCM	300mm	STATIONworks
VARIAN VIISTA80/810	300mm	STATIONworks
VEECO VX300	300mm	STATIONworks
Veeco VX340	300mm	STATIONworks
AMAT COMPASS/COMPLUS	300mm	StationWorks / iGEAR
AVIZA Pantheon	300mm	StationWorks / iGEAR
KLA RS100	300mm	StationWorks / iGEAR
Novellus PM300 Apollo	300mm	StationWorks / iGEAR
SDI FAast 350	300mm	StationWorks / iGEAR
KLA Fusion	300mm	StationWorks, SECSIMPro
SEZ DaVinci	300mm	StationWorks, SECSIMPro
TEL Telius	300mm	StationWorks, SECSIMPro
Varian VIISTA	300mm	StationWorks, SECSIMPro
ASM A412 Furnace	300mm	STATIONworks/iAutomate
FSI-ZETA300	300mm	STATIONworks/iAutomate
KLA-Tencor 2351	300mm	STATIONworks/iAutomate
KLA-Tencor Archer10	300mm	STATIONworks/iAutomate
AMAT Producer SE	300mm	STATIONworks/SECSIM Pro
AMAT Verity SEM	300mm	STATIONworks/SECSIM Pro
Leica INS 3300	300mm	TIC (FAB300)
Accent	300mm	WinSecs
ASML Scanner	300mm	WinSecs
EBARA FREX300	300mm	WinSecs
GSI LUMONICS Lasermark	300mm	WinSecs
HP WAT	300mm	WinSecs
KLA AIT	300mm	WinSecs
KLA FX5	300mm	WinSecs
LAM EXELAN	300mm	WinSecs
LAM Poly 2300	300mm	WinSecs
NIKON Stepper	300mm	WinSecs
PSK	300mm	WinSecs
Rudolph Ellisometer	300mm	WinSecs
TECHNOS TREX632T	300mm	WinSecs
TEL ACT12	300mm	WinSecs
TEL LITHIUS	300mm	WinSecs
TEL NS300	300mm	WinSecs
ASML PAS 5500 Photo Lithography Scanner	200mm	FABuilder
SVG AVP Furnace	200mm	FABuilder
LAM 2300 Etchers	200mm	AutoShell
Mattson SQ2 Wet Sinks	200mm	AutoShell
AG8108 Annealer	200mm	CEI
AMAT 5200 (Etch, RTA, CVD), Centura II	200mm	CEI
AMAT 5200 Centura	200mm	CEI
AMAT 9500	200mm	CEI
AMAT 9500 Implanter	200mm	CEI
AMAT Orbot Defect Measurement	200mm	CEI

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<u>Specific Tool Integrated</u>	<u>Diameter</u>	<u>Software Tool Used</u>
AMAT P5000	200mm	CEI
ASML 5500 Stepper	200mm	CEI
ASML 5500 Stepper	200mm	CEI
Brooks Irvine Optical Sorter	200mm	CEI
DNS SOG	200mm	CEI
DNS SOG	200mm	CEI
Eaton NOVA GSD Implanter	200mm	CEI
FSI Excalibur	200mm	CEI
Gasonics 3500 PEP Plasma Stripper	200mm	CEI
Gasonics 3500 Plasma Stripper	200mm	CEI
Gasonics 3500/2510	200mm	CEI
Genus 1520 Implanter	200mm	CEI
Genus 1520 Implanter	200mm	CEI
Kensington Wafer Sorter	200mm	CEI
KLA Quantox	200mm	CEI
KLA- Tencor 2138	200mm	CEI
KLA-Tencor 5200	200mm	CEI
KLA-Tencor 5300 Overlay	200mm	CEI
KLA-Tencor 7600 Particle Measurement	200mm	CEI
KLA-Tencor 8100 CDSEM	200mm	CEI
KLA-Tencor AIT	200mm	CEI
KLA-Tencor FT650/FT750	200mm	CEI
KLA-Tencor SP1	200mm	CEI
KLA-Tencor SP1 Defect Measurement	200mm	CEI
LAM 4400 Etcher	200mm	CEI
LAM Alliance	200mm	CEI
LAM Teres	200mm	CEI
Mattson Aspen Plasma Stripper	200mm	CEI
MRC Eclipse PVD	200mm	CEI
Novellus Concept1 with SEMY ESW	200mm	CEI
Ontrak DSS200 Wafer Scrubber	200mm	CEI
Phillips Plasmos SD 4000	200mm	CEI
Rudolph Metapulse	200mm	CEI
Rudolph Metapulse	200mm	CEI
SEMY Mypro Furnace with SEMY ESW	200mm	CEI
SEZ4200	200mm	CEI
SEZ4300	200mm	CEI
TEL 3100/3200 Furnaces and Trawl Controller	200mm	CEI
TEL Eclipse Mark IV	200mm	CEI
TEL Sink	200mm	CEI
Thermawave Optiprobe	200mm	CEI
Thermawave Optiprobe	200mm	CEI
Thermawave TP500	200mm	CEI
Varian E500 Implanter	200mm	CEI
Varian E500 Implanter	200mm	CEI
Varian VIISTA Implanter	200mm	CEI

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Varian Vision80 Implanter	200mm	CEI
Varian Vision80 Implanter	200mm	CEI
Watkins Johnson 999 CVD	200mm	CEI
AKrion GAMA/Rearmount Wetbench	200mm	CELLworks
AKrion V3 Wetbench	200mm	CELLworks
Applied Materials Centura	200mm	CELLworks
Applied Materials Endura	200mm	CELLworks
Bold Technologies Wetbench	200mm	CELLworks
DNS 80B/Canon Stepper	200mm	CELLworks
IDE Sorter	200mm	CELLworks
KLA 8100	200mm	CELLworks
Prometrix Omni Map RS55,RS75	200mm	CELLworks
Semitoool Magnum	200mm	CELLworks
ASML Track	200mm	CELLworks/EScore
CANON Scanner	200mm	CELLworks/EScore
CANON Stepper	200mm	CELLworks/EScore
Murata Stocker	200mm	CELLworks/EScore
Accent Optical	200mm	CELLworks/Grapheq
AMAT (various models)	200mm	CELLworks/Grapheq
AMAT Centura	200mm	CELLworks/Grapheq
AMAT Endura	200mm	CELLworks/Grapheq
AMAT Producer	200mm	CELLworks/Grapheq
ASML PAS 5500 Photo Lithography Scanner	200mm	CELLworks/Grapheq
Axcelis Fusion Gemini	200mm	CELLworks/Grapheq
CDE ResMap 268	200mm	CELLworks/Grapheq
Digital Instruments VXAPF	200mm	CELLworks/Grapheq
Disco DFG-850 Backgrinder	200mm	CELLworks/Grapheq
Eaton	200mm	CELLworks/Grapheq
FEI	200mm	CELLworks/Grapheq
Gasonics (various models)	200mm	CELLworks/Grapheq
Hitachi SEM	200mm	CELLworks/Grapheq
Hitachi SEM 6000/8000 Series	200mm	CELLworks/Grapheq
KLA P22/P30	200mm	CELLworks/Grapheq
KLA SP1	200mm	CELLworks/Grapheq
KLA UV1x80	200mm	CELLworks/Grapheq
LAM Alliance Etchers	200mm	CELLworks/Grapheq
MRC Eclipse PVD	200mm	CELLworks/Grapheq
N+K	200mm	CELLworks/Grapheq
Nikon Body 8/9/10/11 Photo Lithography Steppers	200mm	CELLworks/Grapheq
Ontrak (various models)	200mm	CELLworks/Grapheq
Prometrix	200mm	CELLworks/Grapheq
Quester QTI 5850	200mm	CELLworks/Grapheq
Rudolph Vanguard Spectra Laser	200mm	CELLworks/Grapheq
Schlumber IVS	200mm	CELLworks/Grapheq
SCP (various models)	200mm	CELLworks/Grapheq

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SEMITOOL	200mm	CELLworks/Grapheq
TEL 3100/3200 Furnaces and Trawl Controller	200mm	CELLworks/Grapheq
TEL ACT 8 Clean Track	200mm	CELLworks/Grapheq
TEL Mark IV/V Clean Tracks	200mm	CELLworks/Grapheq
Thermawave Optiprobe 3290	200mm	CELLworks/Grapheq
Thermawave TP500	200mm	CELLworks/Grapheq
Varian (various models)	200mm	CELLworks/Grapheq
Varian E220/E500	200mm	CELLworks/Grapheq
Eaton HEI	200mm	CELLworks/Grapheq/FABuilder
KLA-Tencor (various models)	200mm	CELLworks/Grapheq/FABuilder
Varian HI	200mm	CELLworks/Grapheq/FABuilder
Varian MI	200mm	CELLworks/Grapheq/FABuilder
KLA (various models)	200mm	CELLworks/Grapheq/STATIONw
KLA-Tencor (various models)	200mm	CELLworks/Grapheq/STATIONw
LAM (various models)	200mm	CELLworks/Grapheq/STATIONw
Mattson Aspen (various models)	200mm	CELLworks/Grapheq/STATIONw
Novellus (various models)	200mm	CELLworks/Grapheq/STATIONw
Schlumber IVS	200mm	CELLworks/Grapheq/STATIONw
Thermawave (various models)	200mm	CELLworks/Grapheq/STATIONw
Cybeq 9000	200mm	CELLworks/STATIONworks
IVS-120	200mm	CELLworks/STATIONworks
KLA 2138	200mm	CELLworks/STATIONworks
Orbot WF-720	200mm	CELLworks/STATIONworks
Recif Wafer Reader	200mm	CELLworks/STATIONworks
Rudolph Ellipsometer FE-7	200mm	CELLworks/STATIONworks
Tencor 7700/AIT	200mm	CELLworks/STATIONworks
Tencor UV-1050	200mm	CELLworks/STATIONworks
AMAT 5200 (Etch, RTA, CVD), Centura II	200mm	FABuilder
AMAT 5500 Endura	200mm	FABuilder
AMAT Centura	200mm	FABuilder
AMAT Endura	200mm	FABuilder
AMAT PRODUCER	200mm	FABuilder
AMAT Producer	200mm	FABuilder
AMAT Producer	200mm	FABuilder
ASM Epsilon	200mm	FABuilder
ASM PECVD	200mm	FABuilder
Axcelis Fusion Gemini	200mm	FABuilder
Axcelis Fusion Gemini	200mm	FABuilder
Axcelis Nova GSD	200mm	FABuilder
BIORAD	200mm	FABuilder
DNS SOG	200mm	FABuilder
GASONIC DESCUM	200mm	FABuilder
Gasonics 3500 PEP Plasma Stripper	200mm	FABuilder
Gasonics 3500 Plasma Stripper	200mm	FABuilder
KLA 8100	200mm	FABuilder

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KLA 8100	200mm	FABuilder
KLA P22/P30	200mm	FABuilder
KLA Quantox	200mm	FABuilder
KLA RS75	200mm	FABuilder
KLA UV1x80	200mm	FABuilder
KLA UV1x80	200mm	FABuilder
KLA-Tencor 2138	200mm	FABuilder
KLA-Tencor 5300	200mm	FABuilder
KLA-Tencor 5300 Overlay	200mm	FABuilder
KLA-Tencor 6200	200mm	FABuilder
KLA-Tencor 8100 CDSEM	200mm	FABuilder
Laser Mark	200mm	FABuilder
Lumonics SigmaClean WaferMark	200mm	FABuilder
Nova GSD	200mm	FABuilder
Novellus Speed	200mm	FABuilder
Rudolph Ellipsometer	200mm	FABuilder
Rudolph Vanguard Spectra Laser	200mm	FABuilder
SANKYO	200mm	FABuilder
SCP9400 Hood	200mm	FABuilder
SEMITOOL	200mm	FABuilder
SEMITOOL Spay Acid Tool, Spray	200mm	FABuilder
Solvent Tool	200mm	FABuilder
SUGAI C/S	200mm	FABuilder
SVG	200mm	FABuilder
SVG AVP Furnace	200mm	FABuilder
TEL ACT 8 Clean Track	200mm	FABuilder
TEL MB2	200mm	FABuilder
ThermaWave TP500	200mm	FABuilder
AMAT 5200 Centura	200mm	Grapheq
AMAT 5500 Endura	200mm	Grapheq
AMAT Endura	200mm	Grapheq
AMAT P5000	200mm	Grapheq
DNS	200mm	Grapheq
KLA Quantox	200mm	Grapheq
KLA-Tencor 2351	200mm	Grapheq
Kokusai Furnace	200mm	Grapheq
Quester QTI 5850	200mm	Grapheq
Rudolph Vanguard Spectra Laser	200mm	Grapheq
SVG AVP Furnace	200mm	Grapheq
SZ Prober	200mm	Grapheq
Varian Implanter E160	200mm	Grapheq
Varian Implanter E300	200mm	Grapheq
Varian Implanter E500	200mm	Grapheq
Watkins Johnson 999 CVD	200mm	Grapheq
BTI Furnace	200mm	Grapheq/Xwindows
AMAT 5200 Centura	200mm	Machine Manager
AMAT Centura	200mm	Machine Manager

EQUIPMENT INTEGRATION EXPERIENCE DETAIL

<u>Specific Tool Integrated</u>	<u>Diameter</u>	<u>Software Tool Used</u>
Novellus Altus Concept2	200mm	Machine Manager
Steag AST3000	200mm	Machine Manager
KLA-Tencor Particle Measurement AST 2800 and 3000	200mm	Partline SC simulator
RTP (Rapid Thermal Processing)	200mm	SC simulator
TelFurnace DNODE (Film Thickness)	200mm	SC simulator
Nikon Body 8/9/10/11 Photo Lithography Steppers	200mm	STATIONworks
Schlumber IVS	200mm	STATIONworks
Steag	200mm	STATIONworks
SVG AVP Furnace	200mm	STATIONworks
TEL (various models)	200mm	STATIONworks
TEL 3100/3200 Furnaces and Trawl Controller	200mm	StationWorks
TEL Mark IV/V Clean Tracks	200mm	STATIONworks
VARIAN-E220	200mm	STATIONworks
AKrion V3 Wetbench	200mm	STATIONworks/Grappleq
Applied Materials Centura	200mm	STATIONworks/Grappleq
Applied Materials Endura	200mm	STATIONworks/Grappleq
Bold Technologies Wetbench	200mm	STATIONworks/Grappleq
CDE ResMap 268	200mm	STATIONworks/Grappleq
Disco DFG-850 Backgrinder	200mm	STATIONworks/Grappleq
DNS 80B/Canon Stepper	200mm	STATIONworks/Grappleq
Eaton NOVA GSD Implanter	200mm	STATIONworks/Grappleq
evg 40	200mm	STATIONworks/Grappleq
evg hercules	200mm	STATIONworks/Grappleq
FSI Excalibur	200mm	STATIONworks/Grappleq
Gasonics 3500 Plasma Stripper	200mm	STATIONworks/Grappleq
Hitachi SEM	200mm	STATIONworks/Grappleq
IDE Sorter	200mm	STATIONworks/Grappleq
IVS-120	200mm	STATIONworks/Grappleq
Kensington Wafer Sorter	200mm	STATIONworks/Grappleq
KLA 8100	200mm	STATIONworks/Grappleq
KLA RS75	200mm	STATIONworks/Grappleq
KLA UV1x80	200mm	STATIONworks/Grappleq
KLA-Tencor 5300	200mm	STATIONworks/Grappleq
KLA-Tencor 6200	200mm	STATIONworks/Grappleq
KLA-Tencor 7600	200mm	STATIONworks/Grappleq
KLA-Tencor 8100 CDSEM	200mm	STATIONworks/Grappleq
KLA-Tencor FT650/FT750	200mm	STATIONworks/Grappleq
LAM 2300 Etchers	200mm	STATIONworks/Grappleq
LAM Alliance Etchers	200mm	STATIONworks/Grappleq
LAM rainbow	200mm	STATIONworks/Grappleq
Lumonics SigmaClean WaferMark	200mm	STATIONworks/Grappleq
Mattson Aspen Plasma Stripper	200mm	STATIONworks/Grappleq
MRC Eclipse PVD	200mm	STATIONworks/Grappleq

EQUIPMENT INTEGRATION EXPERIENCE DETAIL

<u>Specific Tool Integrated</u>	<u>Diameter</u>	<u>Software Tool Used</u>
Nikon Body 8/9/10/11 Photo Lithography Steppers	200mm	STATIONworks/Grapheq
Nova GSD	200mm	STATIONworks/Grapheq
Novellus Concept1 with SEMY ESW	200mm	STATIONworks/Grapheq
Novellus Speed	200mm	STATIONworks/Grapheq
Ontrak DSS200 Wafer Scrubber	200mm	STATIONworks/Grapheq
Prometrix Omni Map RS55,RS75	200mm	STATIONworks/Grapheq
Rudolph Ellipsometer FE-7	200mm	STATIONworks/Grapheq
SCP wetbench	200mm	STATIONworks/Grapheq
Semitool wetbench	200mm	STATIONworks/Grapheq
Solaris Drill	200mm	STATIONworks/Grapheq
SpeedFAM	200mm	STATIONworks/Grapheq
SVG AVP Furnace	200mm	STATIONworks/Grapheq
Tencor 7700/AIT	200mm	STATIONworks/Grapheq
Tencor UV-1050	200mm	STATIONworks/Grapheq
Thermawave Optiprobe	200mm	STATIONworks/Grapheq
Thermawave TP500	200mm	STATIONworks/Grapheq
Varian E220/E500	200mm	STATIONworks/Grapheq
Varian E500 Implanter	200mm	STATIONworks/Grapheq
BLE Acrobat	200mm	Systema/Java
BLE Acrobat	200mm	Systema/Java
AMAT Centura	200mm	Tcl
AMAT Endura	200mm	Tcl
KLA-Tencor P22, HRP	200mm	Tcl
KLA-Tencor Profiler	200mm	Tcl
KLA-Tencor UV1280	200mm	Tcl
Mirra	200mm	Tcl
Ontrack Scrubber	200mm	Tcl
Semitool Magnum	200mm	Tcl
Speedfam-Auriga	200mm	Tcl
Speedfam-IPEC	200mm	Tcl
Steag	200mm	Tcl
FSI Mercury	200mm	TICS
FSI Yieldup	200mm	TICS
Mattson Aspen II	200mm	TICS
Rudolph Metapulse	200mm	TICS
Alcatel Adixen	200mm	TICS 2.0 (Tango)
Novellus Gasonics	200mm	TICS 2.0 (Tango)
Tepla	200mm	TICS 2.0 (Tango)
Unaxis Clusterline PVD	200mm	TICS 2.0 (Tango)
AMAT mirra	200mm	WinSecs
ASM	200mm	WinSecs
FTIR	200mm	WinSecs
Kla Profile	200mm	WinSecs
Lam R4428	200mm	WinSecs
NIKON 4425i	200mm	WinSecs
Novellus c2	200mm	WinSecs

EQUIPMENT INTEGRATION EXPERIENCE DETAIL

<u>Specific Tool Integrated</u>	<u>Diameter</u>	<u>Software Tool Used</u>
PSC	200mm	WinSecs
Sugai	200mm	WinSecs
Theawave tp500	200mm	WinSecs
Rudolph	150mm	CELLworks/Grappleq
Asymtec	150mm	Java/XML/VB
Mettler-Toledo	150mm	Java/XML/VB
IBM MoF	NA (HDD assembly)	Java
HIAC HRLD-400 Particle Measurement	NA	Partline
PMS μ ps Particle Measurement	NA	Partline
PMS LASAIR Particle Measurement	NA	Partline
PMS Mini-Laz Particle Measurement	NA	Partline