

Obsolete/Upgrade Components List 2024

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Obsolete List 2024

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Julabo	FH1703	Julabo	FP51

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Pfeiffer	HiPace 80 Turbo	Pfeiffer	HiPace 80 Neo Turbo

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Ocean Insight	Ocean Optics USB4000	Ocean Insight	SR4 NIR Spectrometer

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
VAT	IC1 integrated controllers	VAT	IC2 integrated controllers

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Edwards	iGX Backing Pumps	Edwards	iGX600 replaced with iXM100 iGX100M/N replaced with iXM600

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Edwards	Active Inverted Magnetron Gauge (commonly referred to as the Penning Gauge)	Edwards	AIM200 Gauge

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Lenovo	P340 SFF Windows 10 Professional PC	Lenovo	P360 Ultra Windows 10 IoT 2021 LTSC (Long Term Service Channel) PC

Here's how to quickly check which version of Windows you're currently running. On your PC keyboard, simultaneously press the Windows [⊞] and R keys to open the Run dialogue box. Then, type **winver** into the dialogue box and hit the Enter key or click OK to open the "About Windows" screen in a separate window, where your Windows version will be displayed.

Generators

RF Generators

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Advanced Energy	HFV8000	Advanced Energy	Paramount Generator 5kW
Advanced Energy	1251	Advanced Energy	Paramount 1.5kW
Advanced Energy	3001	Advanced Energy	Paramount 3kW
Advanced Energy	AE RFX 600A	Comdel	CB600W
Advanced Energy	AE RFX 600A	HiLight	136
ENI	300W	Comdel	CB300W
ENI	300W	HiLight	136

LF Generators

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Advanced Energy	LF5	Comdel	CLX600

System PCs

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Microsoft	Windows XP	Microsoft	Windows 10
Microsoft	Windows 7	Microsoft	Windows 10

Endpoints

Laser Endpoints

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Joby Yovin	Laser (various wavelengths)	Horiba	670nm
Joby Yovin	Laser (various wavelengths)	Intellemetrics	LEP 500 670nm
Joby Yovin	Laser (various wavelengths)	Horiba	905nm
Joby Yovin	Laser (various wavelengths)	Intellemetrics	LEP 500 980nm

Optical Endpoints

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Verity	PM140	Avaspec	
Verity	Monochromator	Ocean Optics	
Verity	Single WL	Ocean Optics	

Handlers

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
EMS	Elevator	Hine	Elevator
EMS	4.5v	Hine	Robot Arm

Auto Matching Units

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Oxford Instruments Plasma Technology	Air Vane AMU	Oxford Instruments Plasma Technology	VACCAP AMU

Pumps

Turbo Molecular Pumps

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Adixen	ATP400	Pfeiffer	ATH500MT
Adixen	ATP400	Edwards	STP451C
Adixen	ATH1300MT	Pfeiffer	ATH1600MT
Adixen	ATP150	Pfeiffer	HiPace 300
Adixen	ATP80	Pfeiffer	HiPace 80

Dry Pumps Chamber/Backing Pumps

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Adixen	A602P	Pfeiffer	A604H-ELT
Adixen	A122P	Pfeiffer	A124H-ELT
Edwards	iH600	Edwards	iXM600
Edwards	iH600	Edwards	iXH610

Wet Pumps

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Adixen	2033	Pfeiffer	Duo 35
Adixen	2033	Pfeiffer	A124H
Adixen	2063	Pfeiffer	Duo 65
Adixen	2063	Pfeiffer	A124H

Turbo Controllers

Most turbo controllers are obsolete, the list below indicates the model number which communicates to the turbo

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Pfeiffer (Adixen)	ATH400M	Pfeiffer (Adixen)	ATH500M Onboard Controller
Pfeiffer (Adixen)	ACT600M	Pfeiffer	ATH500M Onboard Controller
Adixen Alcatel	ATP80	Pfeiffer	HiPace 80 Onboard Controller
Adixen Alcatel	ACT200T	Pfeiffer	HiPace 80 Onboard Controller
Adixen Alcatel	ATP150	Pfeiffer	HiPace 300 Onboard Controller
Adixen Alcatel	ACT600	Pfeiffer	HiPace 300 Onboard Controller

Electrodes

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Oxford Instruments Plasma Technology	RIE Electrode	Oxford Instruments Plasma Technology	Star Chilled
Oxford Instruments Plasma Technology	Cryo Electrode 150C/400C	Oxford Instruments Plasma Technology	Star Hot
Oxford Instruments Plasma Technology	Cryo Electrode	Oxford Instruments Plasma Technology	Star LN2 Hot

IonFab

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
Glassman	DC LP Series Power Supplies	Glassman	DP LPC Series Power Supplies
Oxford Instruments Plasma Technology	Ion Beam Platen Assembly	Oxford Instruments Plasma Technology	Ion Beam Platen including Water Seal Housing

Chillers

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
BettaTech	-	Julabo/SMC	Various options
Julabo	FC1600T	Julabo/SMC	Various options
Neslab	RTE7	Julabo	FL1703 / SMC

Automatic Pressure Controllers

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
MKS	-	VAT	61.3
Oxford Instruments Plasma Technology APC	-	VAT	61.3
Norcal	-	VAT	61.3
VAT	64.1/PM5	VAT	61.3

PLCs

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
B&R Automation	Mini8 controller (Black 8 PLC)	B&R Automation	X20PLC
B&R Automation	CP476 (Blue PLC)	B&R Automation	X20PLC
B&R Automation	X20 CPU 1484	B&R Automation	X20 CPU 1584

Mass Flow Controllers

Obsolete Component		Upgrade Component	
Manufacturer	Model	Manufacturer	Model
MKS	1479	MKS	G Series MFC
MKS	1579	MKS	G Series MFC