

SINCE 1889



Yamato

Yamato Scientific

America

2026



**PRODUCT
DIGEST**

GENERAL LABORATORY INSTRUMENTS

www.yamato-usa.com

BATHS

Water Baths



BM SERIES	Temperature range	Internal capacity
BM100/110	RT +5~95°C	4L
BM401		7L



BM SERIES	Temperature range	Internal capacity
BM302A/312A	RT +10~90°C	5L

Oil Baths



BO SERIES	Temperature range	Bath capacity
BO302A/312A	RT +10~180°C	5L



BO SERIES	Temperature range	Bath capacity
BO601	RT +5~180°C	7L



BOG SERIES	Temperature range	Bath capacity
BOG100/110	RT +5~240°C	1L
BOG200/210		2.2L



BOS SERIES	Temperature range	Bath capacity
BOS100/110	RT +5~250°C	1L
BOS200/210		2.2L

BATHS



BOA SERIES	Temperature range	Bath capacity
BOA311	RT +10~270°C	37L

CHILLERS



CB & CF SERIES	Temperature range	Bath capacity
CB100	-10°C ~ 80°C	3.4L (liquid 2.3L)
CF303Y/CF313Y	-20°C ~ 30°C (no heating function)	3.9L (liquid 3.5L)
CF802A	-20°C ~ 30°C (no heating function)	15.5 (liquid 14L)

COLD TRAPS



CA SERIES	Max. low temperature	Internal capacity
CA301	-45°C	4L (liquid 3L)

CUSTOMIZED INDUSTRIAL PRODUCTS

Combination Forced Convection Oven



	Temperature range	Internal dimensions
C1-006	RT +10~260°C	W700xD500x500mm (single)
Platform stands to combine units / Customized chamber dimensions		

Large Walk-in Forced Convection Oven



	Temperature range	Internal dimensions
C4-008	RT +10~100°C	W3500xD3500x3000mm
Double door structure / Anti-lock mechanism		

Fully Automatic Conveyor Drying Oven



	Temperature range	Conveyor speed
C1-007	RT +20~80°C	0.035 - 0.35 m/min
Adjustable conveyor speed capable of multiple treatment processes		

Large Capacity Low Temperature Chamber



	Temperature range	Internal capacity
YY-711	-20~50°C	800L
Size can be specified according to needs		

Large Autoclave



YYK SERIES	Operating temp. range	Internal dimension
YYK500	RT +10~70°C	ø500mm x 850Lmm
YYK750		ø750mm x 1100Lmm
YYK800		ø800mm x 1100Lmm
YYK900		ø900mm x 1300Lmm
		Customized chamber dimension

SINCE 1889



**WE NEVER SAY "NO".
WE SAY "LET'S TRY!"**

PRODUCT CUSTOMIZATION

Yamato can modify and customize its equipment to meet diverse requirements and applications.

DATA LOGGERS



GL SERIES	Sampling interval	Number of channels
GL260	10ms - 1h	10 isolated analog channels
GL860	5ms-1h	20 standard analog channels, expandable to 200

DESICCATORS

Clear Acrylic

NEW!



PLA SERIES	Dimensions	Number of cubicles
PLA-8605CGNS	12" x 12" x 6" high	1
PLA-860CGNS	12" x 12" x 12" high	1
PLA-861CGNS	12" x 12" x 24" high	2
PLA-8615CGNS	12" x 12" x 24" high	1
PLA-862CGNS	18" x 18" x 18" high	2
PLA-863CGNS	24" x 18" x 24" high	2

Amber Acrylic (for light sensitive materials)

PLA SERIES	Dimensions	Number of cubicles
PLA-8605CGANS	12" x 12" x 6" high	1
PLA-860CGANS	12" x 12" x 12" high	1
PLA-861CGANS	12" x 12" x 24" high	2
PLA-8615CGANS	12" x 12" x 24" high	1
PLA-862CGANS	18" x 18" x 18" high	2
PLA-863CGANS	24" x 18" x 24" high	2

FREEZE DRYER



DC SERIES	Max. low temperature	Dehumidify amount
DC401	-45°C	0.6L

FREEZERS: ULTRA LOW TEMP. UP TO -85°C

Ultra Low Temperature Freezers - Chest Style

ULF SERIES	Temperature Range	Capacity
ULF001C	-40°C ~ -85°C	2ft ³ / 56L
ULF101C		3ft ³ / 83L
ULF201C		5ft ³ / 142L
ULF301C		9ft ³ / 255L
ULF401C		12ft ³ / 340L
ULF501C		14ft ³ / 400L
ULF601C	-40°C ~ -80°C	17ft ³ / 480L
ULF701C	-40°C ~ -85°C	21ft ³ / 594L
ULF801C	-40°C ~ -80°C	22ft ³ / 626L
ULF901C		27ft ³ / 766L



ULF001C



ULF101C



ULF201C



ULF401C



ULF601C



ULF801C



ULF901C

FREEZERS: ULTRA LOW TEMP. UP TO -85°C

Ultra Low Temperature Freezers - Upright Style

ULF SERIES	Temperature Range	Capacity
ULF401U	-40°C ~ -85°C	13ft ³ / 370L
ULF501U		18ft ³ / 505L
ULF601U		22ft ³ / 626L
ULF701U		25ft ³ / 710L
ULF801U	-40°C ~ -80°C	28ft ³ / 792L
ULF901U		31ft ³ / 877L



ULF401U



ULF501U



ULF701U



ULF901U

FREEZERS: ULTRA LOW TEMP. UP TO -85°C

Ultra Low Temperature Freezers - Undercounter

ULF SERIES	Temperature Range	Capacity
ULF101UN	-40°C ~ 85°C	2ft ³ / 54L
ULF201UN		3ft ³ / 94L



ULF101UN



ULF201UN

FREEZERS: LOW TEMP. UP TO -40°C

Low Temperature Freezers - Chest Style

LTF SERIES	Temperature Range	Capacity
LTF001C	0°C ~ -40°C	2ft ³ / 56L
LTF101C		3ft ³ / 83L
LTF201C		5ft ³ / 142L
LTF301C		9ft ³ / 255L
LTF401C		12ft ³ / 340L
LTF501C		14ft ³ / 400L
LTF601C		17ft ³ / 480L
LTF701C		21ft ³ / 595L
LTF801C		22ft ³ / 626L
LTF901C		27ft ³ / 766L



LTF001C



LTF101C



LTF301C



LTF401C



LTF601C



ULF901C

FREEZERS: LOW TEMP. UP TO -40°C

Low Temperature Freezers - Upright Style

LTF SERIES	Temperature Range	Capacity
LTF401U	0°C ~ -40°C	13 ft ³ / 370L
LTF501U		18 ft ³ / 505L
LTF601U		22 ft ³ / 626L
LTF701U		25 ft ³ / 710L
LTF901U		28 ft ³ / 792L



LTF401U



LTF501U



LTF701U



LTF901U

FREEZERS: LOW TEMP. UP TO -40°C

Laboratory Freezers - Undercounter

UCF SERIES	Temperature Range	Capacity
UCF000	-20°C	1.5ft ³ / 42L
UCF001	-15°C to -25°C	1.7ft ³ / 48L
UCF101A	-10°C ~ -25°C	3.2ft ³ / 90L
UCF101B	-20°C ~ -40°C	3.2ft ³ / 90L



FREEZERS (PLATINUM SERIES) UP TO -85°C

Platinum Series Ultra Low Temperature Freezers - Chest Style

ULF SERIES	Temperature Range	Capacity
ULF001CP	-40°C ~ -85°C	2ft ³ / 56L
ULF101CP		3ft ³ / 83L
ULF201CP		5ft ³ / 142L
ULF301CP		9ft ³ / 255L
ULF401CP		12ft ³ / 340L
ULF501CP		14ft ³ / 400L
ULF601CP		17ft ³ / 480L
ULF701CP	-40°C ~ -80°C	21ft ³ / 594L
ULF801CP	-40°C ~ -85°C	22ft ³ / 626L
ULF901CP	-40°C ~ -80°C	27ft ³ / 766L

Added Features of Platinum Series:

- Touch screen control
- Hi/Low alarm with email and SMS notification
- Viewable temperature graph
- Data logging downloadable via USB or FTP
- Multi-level security
- VNC remote access via PC / smart devices



FREEZERS (PLATINUM SERIES) UP TO -85°C

Platinum Series Ultra Low Temperature Freezers - Upright Style

ULF SERIES	Temperature Range	Capacity
ULF401UP	-40°C ~ -85°C	13ft ³ / 370L
ULF501UP		18ft ³ / 505L
ULF601UP		22ft ³ / 626L
ULF701UP		25ft ³ / 710L
ULF801UP	-40°C ~ -80°C	28ft ³ / 792L
ULF901UP		31ft ³ / 877L

Added Features of Platinum Series:

- Touch screen control
- Hi/Low alarm with email and SMS notification
- Viewable temperature graph
- Data logging downloadable via USB or FTP
- Multi-level security
- VNC remote access via PC / smart devices



ULF401UP



ULF501UP



ULF701UP



ULF901UP

FREEZERS (PLATINUM SERIES) UP TO -40°C

Platinum Series Low Temperature Freezers - Chest Style

LTF SERIES	Temperature Range	Capacity
LTF101CP	0°C ~ -40°C	3ft ³ / 83L
LTF201CP		5ft ³ / 142L
LTF301CP		9ft ³ / 255L
LTF401CP		12ft ³ / 340L
LTF501CP		14ft ³ / 400L
LTF601CP		17ft ³ / 480L
LTF701CP		21ft ³ / 595L
LTF801CP		22ft ³ / 626L
LTF901CP		27ft ³ / 766L

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- Viewable temperature graph
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- VNC remote access via PC / smart devices



FREEZERS (PLATINUM SERIES) UP TO -40°C

Platinum Series Low Temperature Freezers - Upright Style

LTF SERIES	Temperature Range	Capacity
LTF401UP	0°C ~ -40°C	13 ft ³ / 370L
LTF501UP		18 ft ³ / 505L
LTF601UP		22 ft ³ / 626L
LTF701UP		25 ft ³ / 710L
LTF801UP		28 ft ³ / 792L

Added Features of Platinum Series:

- Touch screen control
- Hi / Low alarm with email and SMS notification
- Viewable temperature graph
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- Multi-level security
- VNC remote access via PC / smart devices



LTF401UP



LTF501UP



LTF701UP



LTF801UP

GLASSWARE WASHERS



AW SERIES	Capacity	Washing water temp.
AW47	Test tube 450 pcs. (16.5 ml) Volumetric flasks 36 pcs. (100 ml)	Room Temp ~60°C



AWD SERIES	Capacity	Washing water temp.
AWD-510 / 510DRY (pre-drying)	Glassware as a whole: test tubes, flasks, beakers (excluding pipet)	45~93°C

GLOVE BOXES

Compact Glove Boxes



SG SERIES	Width (inside dimension)	No. of gloves
SG828	28"	2
SG835	35"	2
SG848	48"	3
SG860	60"	4

Anaerobic Chambers



AC SERIES	Hypalon gloves	Approximate volume
AC505/515	One (1) pair	17.3 cubic ft. / 489L
AC706/716	Two (2) pairs	40.9 cubic ft. / 1157L



AC SERIES	Hypalon gloves	Approximate volume
AC505A/515A	One (1) pair	17.3 cubic ft. / 489L
	One -Touch, "Go Anaerobic" button to initiate purging sequence	

INCUBATORS

Natural Convection

BESTSELLER



IC SERIES	Temperature range	Internal capacity
IC103CW/113CW	RT +5~80°C	37L
IC403CW/413CW		97L
IC603CW/613CW		159L
IC803CW/813CW		318L
IC903CW/913CW		567L

Forced Convection



IN SERIES	Temperature range	Internal capacity
IN604	-10~+50°C	143L
IN604W		
IN804		286L
IN804W		



Refrigerated Incubator with window + MK161 compact shaker

IN SERIES	Temperature range	Internal capacity
IN604WMK-115V	-10~+50°C	143L
IN604WMK-220V		



INE SERIES	Temperature range	Internal capacity
INE800	0~+60°C	286L

MUFFLE FURNACES

BESTSELLER



Muffle furnace with communication port



FO SERIES	Temp range	Capacity		Temp range	Capacity
FO100CR/110CR	100~1150°C	1.5L	FO510CR	100~1150°C	11.3L
FO200CR/210CR		3.75L	FO610CR		17.5L
FO300CR/310CR		7.5L	FO710CR		23.6L
FO410CR		9L	FO810CR		30L

FP SERIES	Temperature range	Internal capacity
FP103	100~1150°C	1.5L
FP303/313		7.5L
FP413		11.3L

OVENS

Natural Convection Ovens



DX SERIES	Temperature range	Internal capacity
DX302C/312C	RT +5~300°C	28L
DX402C/412C		74L
DX602C/612C		153L

DVS SERIES	Temperature range	Internal capacity
DVS402C/412C	RT +5~260°C	99L
DVS602C/612C		162L

OVENS

Natural Convection Ovens



DR SERIES	Temperature range	Internal capacity
DR-201-115V DR-201-220V	300~700°C	13.75L



DG SERIES	Temperature range	Internal capacity
DG400C/410C DG440C/450C DG800C/810C	RT +5~70°C	92L
DG840C/850C		445L

Forced Convection Ovens



DKM SERIES	Temperature range	Internal capacity
DKL301C/311C	RT +10~260°C	27L
DKL401C/411C		90L
DKL601C/611C		150L



DKN SERIES	Temperature range	Internal capacity
DKN-303-115V DKN-303-220V	RT +10~260°C	27L



DKV SERIES	Temperature range	Internal capacity
DKV400/410	RT +10~270°C	90L
DKV600/610		150L
DKV810		300L
DKV910	RT +10~220°C	545L

OVENS

Forced Convection Ovens



DNE SERIES	Temperature range	Internal capacity
DNE401/411	RT +20~210°C	90L
DNE601/611		150L
DNE811	RT +15~210°C	300L
DNE911		540L



DNF SERIES	Temperature range	Internal capacity
DNF301	RT +15~260°C Wind velocity 1~10	27L
DNF401/411		90L
DNF601/611		150L
DNF811		300L
DNF911		540L

Fine Ovens



DF SERIES	Temperature range	Internal capacity
DF412	RT +15~260°C	91L
DF612		216L
DF832		512L
DF1032	RT +15~200°C	1000L



DH SERIES	Temperature range	Internal capacity
DH412	RT +15~360°C	91L
DH612		216L
DH832		512L
DH1032	RT +15~300°C	1000L



DH SERIES	Temperature range	Internal capacity
DH650Z	RT +10~500°C	216L

OVENS

Vacuum Ovens



ADP SERIES	Temperature range	Internal capacity
ADP200C/210C	40~240°C	10L
ADP300C/310C		27L



SDP SERIES	Temperature range	Internal capacity
SDP300/310	RT +10~220°C	47.2L
SDP400/410		127.4L
SDP610		264L



DP SERIES	Temperature range	Internal capacity
DP43C	40~200°C	91L
DP63C		216L



DP SERIES	Temperature range	Internal capacity
DP83C	40~200°C	512L
DP104C		1000L

Inert Ovens



DN SERIES	Temperature range	Internal capacity
DN411E	RT +15~360°C	95L
DN611E		223L

OVENS

Clean Ovens



DE/DT SERIES	Temperature range	Internal capacity
DE411	RT +30~260°C	91L
DE611		216L
DT411	RT +30~360°C	91L
DT611		216L



DES/DTS SERIES	Temperature range	Internal capacity
DES830	RT +30~260°C	327L
DTS830	RT +30~360°C	

PCR WORKSTATIONS



PCR SERIES	Features	Inside dimension
PR204/214	"Bright Light" illumination system (40,000 hour lamp guarantee) U.V. germicidal system rated at 254 nm	23.5" x 17" x 21" / 597 x 432 x 530 mm



PCR SERIES	Features	Inside dimension
PR204H/214H	"Mini HEPA" filter size 4" x 9.5" x 1" thick "Bright Light" illumination system (40,000 hour lamp guarantee) U.V. germicidal system rated at 254 nm	23.5" x 17" x 21" / 597 x 432 x 530 mm

PLASMA TREATER

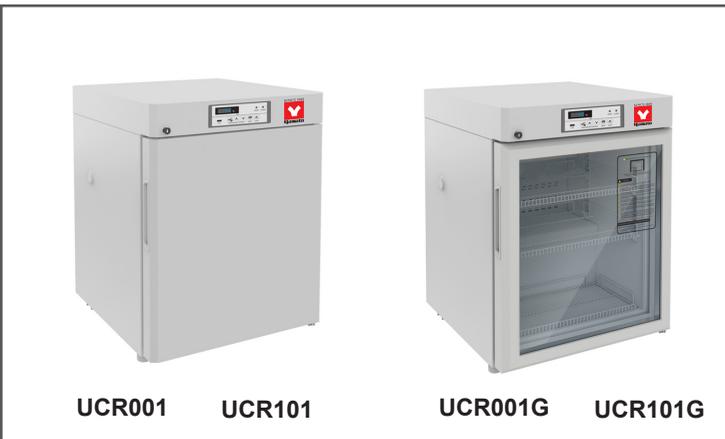
Precision Surface Treatment



PSA SERIES	No. of heads	Operating temperature
PSA110	1	22°C ~ 40°C
PSA210	2	
PSA310	3	
PSA410	4	

REFRIGERATORS

Undercounter and Countertop Refrigerators



UCR SERIES	Temperature Range	Capacity
UCR001	2°C ~ 8°C	2.64ft ³ / 75L
UCR001G		2.64ft ³ / 75L
UCR101		4.6ft ³ / 130L
UCR101G		4.6ft ³ / 130L

REFRIGERATOR / FREEZER COMBINATION

RFC SERIES	Temperature Range	Capacity
RFC501	(Refrigerator) 2°C to 8°C (Freezer) 0°C to -25°C	9.1ft ³ Refrigerator 9.1ft ³ Freezer
RFC1301	(Refrigerator) 2°C to 8°C (Freezer) 0°C to -25°C	24ft ³ Refrigerator 24ft ³ Freezer
RFC2001	(Refrigerator) 4°C / 39°F (Freezer) -20°C	46.6ft ³ Refrigerator 24ft ³ Freezer



RFC1301



RFC2001

ROTARY EVAPORATORS

Basic & Economical



RE SERIES	Water/Oil bath capacity	Rotation speed
RE202A/212A	5L	5~315 rpm

Standard (with vacuum controller)



REV SERIES	Water/Oil bath capacity	Rotation speed
REV202MA/212MA	5L	5~315 rpm

SHAKERS



MK SERIES	Shaking mode	Shaking frequency
MK161	Rotary, elliptical, reciprocate	20~200 rpm



SA SERIES	Shaking speed: horizontal	Shaking speed: vertical
SA300	20~300 rpm	20~300 rpm
SA320	20~210 rpm	20~210 rpm
SA400	Not applicable	20~300 rpm

SPRAY DRYERS

Compact & Economical



ADL311SA	Evaporated water amount	Temp. control range
	Max. 1300 mL/h	40~220°C

Versatile



GB210A	Evaporated water amount	Temp. control range
	Max. 1300 mL/h	40~220°C

Large Capacity



DL410	Evaporated water amount	Temp. control range
	Max. 3000 mL/h	40~300°C

Granulator



GB210B	Granulation processing capacity	Temp. control range
	50 to 300g	40~220°C

Organic Solvent Recovery Unit



GAS410	Circulation flow	Solvent recovery capacity
	0.12~0.65 m ³ /min	1300 mL/h or more

Organic Solvent Washing Unit



GWS410	Maximum flow	Storage tank capacity
	15L / min	35L

STERILIZERS

Steam Sterilizers

BESTSELLER



SK SERIES	Temperature range	Internal capacity
SK102C/112C	50~126°C	18L
SK201C/211C		24L
SK301C/311C		30L

BESTSELLER



SN SERIES	Temperature range	Internal capacity
SN300C/310C	45~135°C	32L
SN500C/510C		47L

BESTSELLER



SQ SERIES	Temperature range	Internal capacity
SQ500C/510C	45~135°C	50L
SQ810C		80L



SQL SERIES	Temperature range	Internal capacity
SQL1010C	45~135°C	110L

STERILIZERS

Steam Sterilizers with Dryer



SM SERIES	Temperature range	Internal capacity
SM201/211	Sterilization 105 to 123°C Drying 150 to 180°C	20L
SM301/311	Sterilization 105 to 128°C	32L
SM501/511	Drying 150 to 180°C	47L



SM SERIES	Temperature range	Internal capacity
SM520/530	45~60°C (retain temp.) 45~80°C (preheat temp.)	50L
SM820/830	105~135°C (sterilize) 60~110°C (liquefy) 135~150°C (dry)	80L

Dry Sterilizers



SK SERIES	Temperature range	Internal capacity
SK401	RT +5~260°C	99L
SK601		162L
SK801/811	RT +5~210°C	300L

STIRRERS



LT / LR SERIES	Maximum speed	Viscosity of sample
LT400	1200 rpm	Low to high
LT500	1200 rpm	Medium to high
LR500A	340 rpm	Low to high
LR500B	1000 rpm	



MH / MG SERIES	Stirring rate	Stirring capacity
MG600H	300~1500 rpm	100~2000 ml x 6



MFD SERIES	Stirring rate
MFD800 (115V)	50~1600 rpm
MFD810 (220V)	



MFH SERIES	Stirring rate	Temp. control range (hot plate)
MFH800 (115V)	50~1600 rpm	RT +25°C to 310°C (set in 1°C increments)
MFH810 (220V)		

THERMAL ANALYZER



	Temperature characteristics	Electrical resistance measurement error
TE100	Resolution $\geq 0.01^{\circ}\text{C}$	$\pm 0.1\text{m}\Omega$ (70 ~ 130 Ω)

VENTED BALANCE ENCLOSURES



VBE SERIES	Features	Internal work surface
VBE204/214	* Includes top mounted HEPA / blower filtration and face velocity alarm	23.5" wide x 21" deep 597mm x 533mm
VBE306/316	* Constructed with optically clear 3/8" jeweled acrylic plastic and phenolic base	35.5" wide x 21" deep 901mm x 533mm
VBE408/418		47.5" wide x 21" deep 1206mm x 533mm
VBE600/610		59.5" wide x 21" deep 1511mm x 533mm

WATER PURIFICATION SYSTEMS

Auto Still: The Distilled Water Model



WG SERIES	Purified water/Quality	Delivery Rate	Tank capacity
WG205	Deionized water: Type 1 Distilled water: Type 2	~ 1.0 L/min ~ 1.5 L/min	20L



WG SERIES	Purified water/Quality	Delivery Rate	Tank capacity
WG253	Deionized water: Type 1	~ 1.0 L/min	30L
WG1013	Distilled water: Type 2	~ 2.5 L/min	100L

Pure Line: The Economical Deionized Model



WE SERIES	Purified water / Quality	Delivery Rate
WE200	Deionized water: Type 1	0.5~1.0 L/min

WATER PURIFICATION SYSTEMS

Auto Pure: The Flagship Deionized Model



WA 400/200 SERIES	Purified Water/Water Quality	Delivery Rate
	Deionized water: Type 1	4.0 L/min



WH SERIES	Purified Water/Water Quality	Delivery Rate
	Deionized water: Type 2 & 3	1.9 L/min or 4.7 L/min depending on model



WA 300 SERIES	Purified water / Water quality	Delivery Rate
	Deionized water: Type 1	2.5 L/min

Available in benchtop or remote dispense configuration



WC SERIES	Purified water / Water quality	Delivery Rate
	Deionized water: Type 1	2.5 L/min

Designed with ultraviolet oxidation lamp
Available in benchtop or remote dispense configuration



WB SERIES	Purified water / Water quality	Delivery Rate
	Deionized water: Type 1	2.0 L/min

Designed with ultrafiltration module
Available in benchtop or remote dispense configuration



WG SERIES	Purified water / Water quality	Delivery Rate
	Deionized water: Type 1	2.0 L/min

Designed with ultraviolet oxidation lamp and ultrafiltration module
Available in benchtop or remote dispense configuration