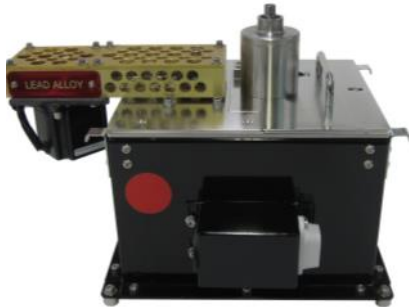


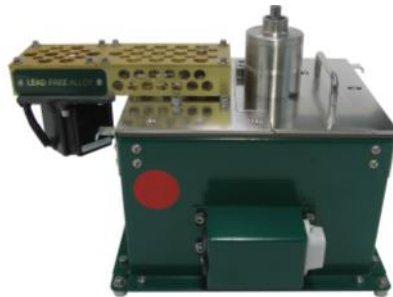


Made in America

Solder pots and controls for all alloys tin/lead...lead free "RoHs"...HMP "high melting point"



Lead Alloy



Lead Free Alloy



HMP Alloy



LTS Pb alloy tinning pot with "Dynamic Wave" and Nitrogen for wave soldering....



LTS RoHs tinning pot with "Flat Surface Wave" dross wiper and Nitrogen for dip soldering....

The standard solder pots found on the ACE products can be purchased in stand-alone configuration for manual or custom applications. The controls can be made to your specifications in either a 19" rack mount or our discrete control box.

The Lead alloy solder pot wetted surfaces are constructed of 316 Stainless Steel. The Lead-Free alloy solder pots are constructed of Titanium to withstand attack from aggressive tin rich alloys. The heaters are sized to bring the solder safely to temperature within an hour. HMP alloy pots have additional wattage heaters with a temperature capability above 425°C. Re-circulation of solder is accomplished via a controllable pump motor coupled to a precision impeller assembly that delivers the precise and consistent volume of solder to the nozzle. The solder distribution system is designed to minimize dross build up while providing an extremely consistent and repeatable solder wave shape.

All of our solder pots are built ready to accept Nitrogen to inert the molten solder surfaces and the wave. The nitrogen surrounds the solder nozzle and solder site as the solder wave contacts the terminals minimizing icicles, solder bridges and dross while providing for a lustrous finish of the solder.

The solder temperature is interlocked within $\pm 2^\circ\text{C}$ of set point. The capacity of the solder pot ensures sufficient solder mass to overcome the thermal demand of even the largest assemblies.

KSPA Solder Pot Specifications:

	KSPA-L	KSPA-T	KSPA-HMP
	(Pb alloy)	(RoHs alloy)	(HMP alloy)

Outside Dimensions:

(not including pump)

Length	9.5"	9.5"	9.5"
Width	8"	8"	8"
Height	6"	6"	6"

Inside Dimensions:

Length	6"	6"	6"
Width	4.5"	4.5"	4.5"
Height	3.5"	3.5"	3.5"

Weight: (dry)	18 lbs.	18 lbs.	18 lbs.
----------------------	---------	---------	---------

Solder Capacity:	30 lbs.	26 lbs.	32 lbs.
-------------------------	---------	---------	---------

Available Nozzles:

These solder pots are available with the standard "KISS" magnetic chuck which holds all standard selective soldering nozzles, or a 50mm x 50mm square nozzle for dip soldering, or a 75mm "Side Wave" nozzle for tinning QFPs and fine pitch components.

Wave Level Accuracy for the 2" x 2" dip wave

±.005" repeatability

Temperature Range:	0-325°C	0-325°C	0-425°C
---------------------------	---------	---------	---------

N2 Consumption: (@ 60-70 PSI) commercial grade	15-50	15-50	15-50
--	-------	-------	-------

Power Consumption: (@ 1 PH - 60 Hz)	115VAC 7 amps	115VAC 7 amps	115VAC 10 amps
---	------------------	------------------	-------------------

KSPA-L-SW
Pb alloy with "side wave" nozzle



KSPA-T-2x2
RoHs alloy with 50mm sq. nozzle



KSPA-HMP-L
HMP alloy with KISS nozzles



How to Order....

	KSPA-L	KSPA-T	KSPA-HMP
--	---------------	---------------	-----------------

For standard KISS nozzles	KSPA-L	KSPA-T	KSPA-HMP
----------------------------------	--------	--------	----------

For the 2" x 2" dip nozzle	KSPA-L-2x2	KSPA-T-2x2	KSPA-HMP-2x2
-----------------------------------	------------	------------	--------------

For the "side wave" nozzle	KSPA-L-SW	KSPA-T-SW	KSPA-HMP-SW
-----------------------------------	-----------	-----------	-------------

‘We can make solder pots of any size or configuration. Contact us with your specifications’

CERTIFICATION of COMPLIANCE:
OSHA, NEC, CE, UL, ULC

LTSPA Solder Pot Specifications:

LTSPA-L LTSPA-T LTSPA-HMP

(Pb alloy) (RoHs alloy) (HMP alloy)

Outside Dimensions:

(not including pump)

Length	15"	15"	15"
Width	11"	11"	11"
Height	7"	7"	7"

Inside Dimensions:

Length	11.5"	11.5"	11.5"
Width	7.5"	7.5"	7.5"
Height	4.5"	4.5"	4.5"

Weight: (dry) 38 lbs. 38 lbs. 38 lbs.

Solder Capacity: 100 lbs. 100 lbs. 100 lbs.

Active Dip Area: 4" x 6" 4" x 6" 4" x 6"

Available Nozzles:

These solder pots are available with the 4" x 6" flat wave nozzles for all T/H components or the "Wave" nozzles for tinning SMT chips, LCCs and fine pitch QFP components....Custom nozzles for mass selective soldering multiple components in a circuit board in one dip area are available.

Wave Level Accuracy for the 4" x 6" dip wave

±.005" repeatability

Temperature Range: 0-325°C 0-325°C 0-425°C

N2 Consumption: 150-200 150-200 150-200
(@ 60-70 PSI) commercial grade

Power Consumption: 220 VAC 220VAC 220VAC
9 amps 9 amps 12 amps
(@ 1 PH - 60 Hz)

How to Order....

LTSPA-L LTSPA-T LTSPA-HMP

For the "Flat Wave" nozzle LTSPA-L LTSPA-T LTSPA-HMP

For the "wave" nozzle LTSPA-L-W LTSPA-T-W LTSPA-HMP-W

Options available for the LTSPS Solder Pots:

KSPA-LT-Wiper...Automated titanium wiper to remove dross off the flat wave nozzle. This is activated by the footswitch connected to the controller.

KSPA-N2-M...Nitrogen manifold to inert the active solder area. This feature is activated when the solder pump is turned on through the foot switch.

KSPA-KSM...Solder level makeup system. The solder level in the pot is kept at a constant level by sensing the depletion and adding back 3mm dia. Solid core wire from a 5 lb. spool. This feature is added to the controller.

LTSPA-L-W

Pb alloy with "Wave" nozzle



LTSPA-T-FW

RoHs alloy with "Flat Wave" nozzle



Solder Pot Controllers :

KSPA-C1

Discrete for manual operation



LTSPA-C1

19" rack mount for system integration



Controller Specifications:

KSPA-C1 Controller with foot switch and a KSPA-T-2x2 solder pot & pump

	KSPA-C1	LTSPA-C1
--	---------	----------

	(The KISS S/P)	(The LTS S/P)
--	----------------	---------------

Outside Dimensions:

Length	9"	17"
Width	7"	11"
Height	7"	7"

Temp. Controller: PID proportioning (0-425°C) ± 2°C

Low Solder Alarm: Standard Standard

Digital Pump Speed: Standard Standard

Digital I.O. No Standard
(pump, N2, wiper operation)

Interface: Footswitch Integrator Host
(pump and N2 operation) (included)

Power: 115VAC 220VAC
(@ 1 PH - 50/60 Hz)



LTSPA-C1 Controller ready to install



CERTIFICATION of COMPLIANCE:
OSHA, NEC, CE, UL, ULC