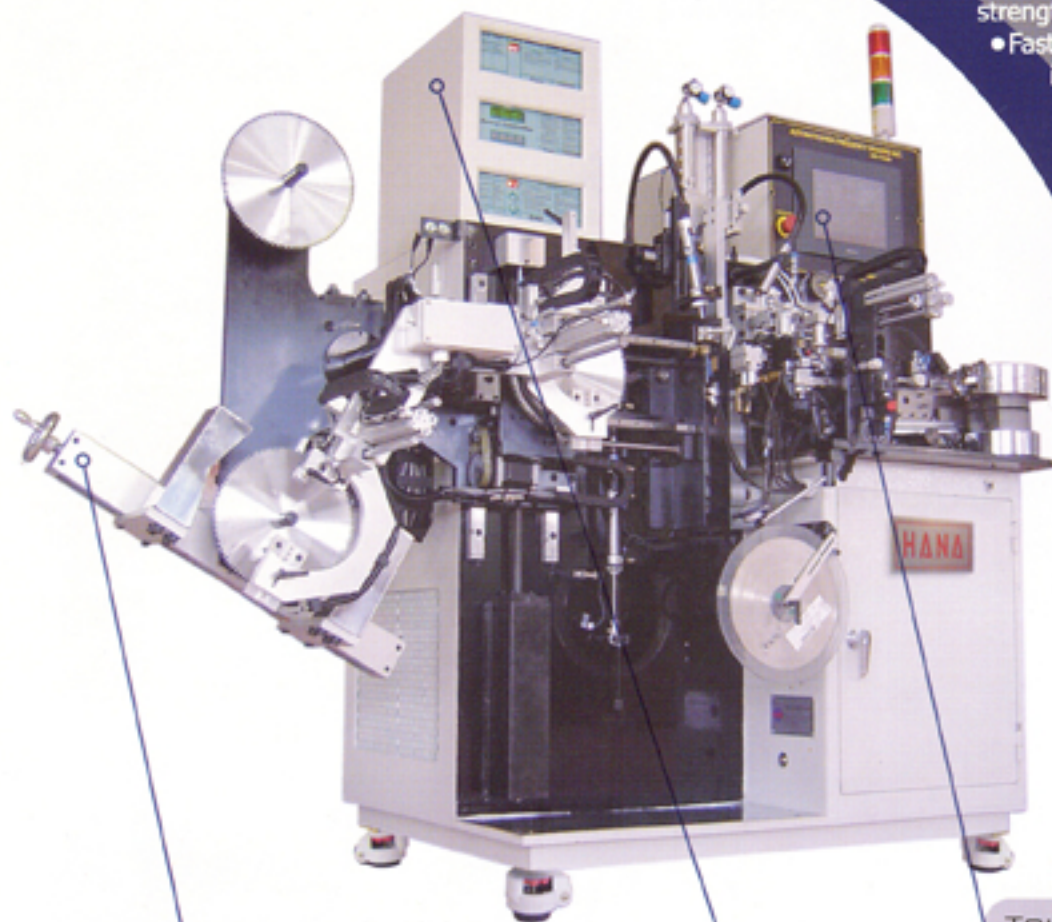


HANA

AUTOMATIC HIGH FREQUENCY BRAZING MACHINE
FOR FLAT SOLDER WITH INTERGRATED LOADING SYSTEM

ABR - 500 [500E / 500S / 500SS]

- Fully automated high frequency induction.
- Programmable & savable memory sys. for easy recall of saw set up information.
- Crack free for any hard carbide / stellite tips due to indirect heating system.
- Tight tolerance from tip to tip and high brazing strength.
- Fast brazing and easy programming of individual processes with user friendly touch screen.
- Accurate tip sorting by dual optic sensors.
- Reinforced heavy frame to minimize the vibration during the operation.
- Available for 3" saw blade. (subject to special order)
- Specially designed for the hard grade carbide tip / PCD tips.
- Specially designed for the cold saw (dry cut saw).
- Internal PLC Modem for diagnostics and trouble shooting. (option)
- Pre-tinned tips applicable.



ROBOTIC ARM

- : strong and smooth motion with hydraulic drive
- : easy setup for 6" to 22" saw blades (available for saw up to 37" diameter)
- : strong magnet for pick up and transfer of saws from loading station to brazing system
- : 300kg storing capacity of the shaft

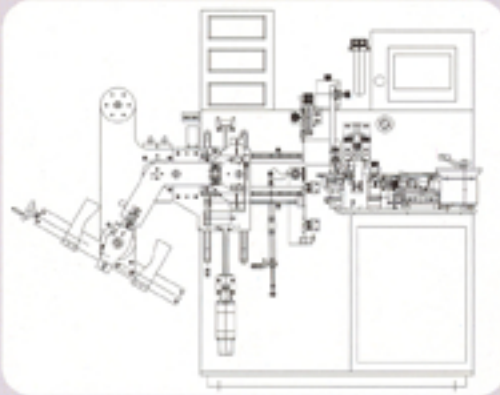
TOUCH SCREEN

- : easy setup by touch screen icons for all saw and brazing configurations
- : variable screens for brazing conditions
- : self diagnosis and error alarm messages for easy trouble shooting
- : stores up to 20 different memory of saw data

HIGH FREQUENCY CUBE

- : combined optic pyrometer with generator system
- : accurate and consistent heating control
- : high frequency power 5.6kW
- : automatic annealing cycle

STANDARD EQUIPMENT



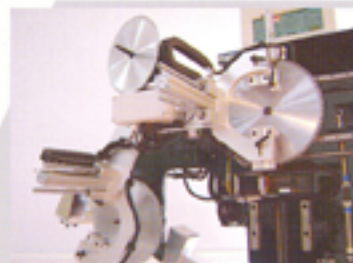
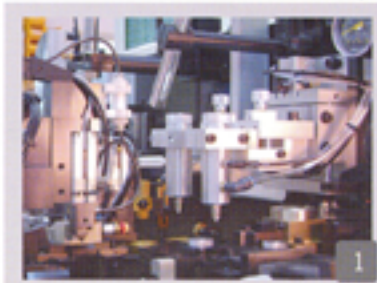
L 2050 X W 1300 X H 1800

OPTIONAL SELECTION

ABR-500E	robotic arm not included
ABR-500S	saw diameter up to 26" (660mm)
ABR-500SS	saw diameter up to 38" (960mm)
AL-26	horizontal loading sys. up to 36.5" (930mm)
flux / soldering sys.	1
joystick	2
HF brazing	3
tip track / bowl	4
hydraulic robot loading sys.	5
touch screen	6

TECHNICAL FEATURE / SPECIFICATION

ABR - 500	TECHNICAL DATA
saw blade diameter	6" - 22" (150 - 560mm)
saw blade thickness	0.047" - 0.225" (1.2 - 5.7mm)
length of carbide tip	0.197" - 0.500" (5.0 - 12.7mm)
width of carbide tip	0.079" - 0.208" (2.0 - 5.3mm)
height of carbide tip	0.071" - 0.158" (1.8 - 4.0mm)
hook angle	-10 - +30 degrees
solder	thickness : 0.008" - 0.012" (0.2 - 0.3mm) width : 0.039 - 0.217" (2.0 - 5.5mm)
brazing time	4 - 6 sec / cycle
electricity	220v / 50 / 60Hz / 1 phase
high frequency generator	5.6Kw
frequency	1 MHz
power source	8 Kw
air pressure	5 Kg / cm ²
dimension	L 2050 X W 1300 X H 1800
weight	1.41tons (1300Kg)
saw collar size for loader	0.394" - 5.512" (10-140mm)
hydraulic pressure	25 Kg/cm
hydraulic tank	20 liter
oil	ISO VG 48



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