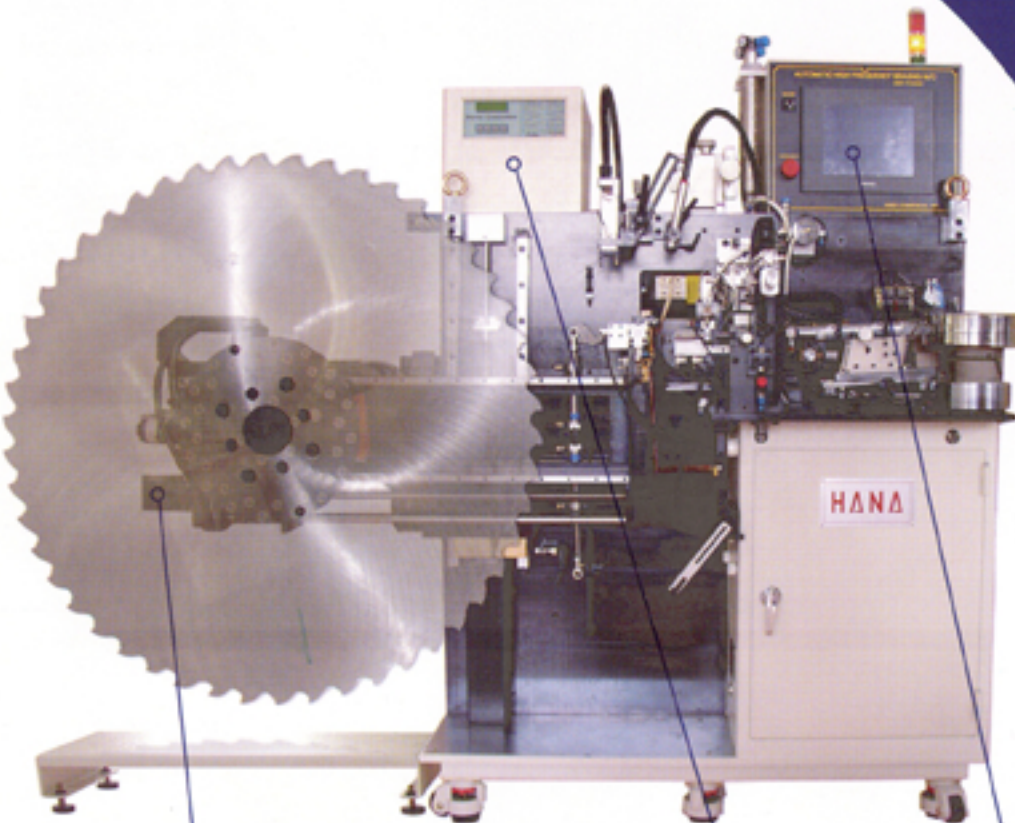


# HANA

## AUTOMATIC MEDIUM FREQUENCY BRAZING MACHINE FOR LARGE SCALE SAW BLADES

### ABR - 1200

- One and only brazing machine that covers up to 48" saw blade.
- Compact size delivers a powerful and precise performance.
- Absolute and immediate control of virtually every function of the machine.
- 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.
- Accurate tip sorting by dual optic sensors.
- High brazing strength.
- Reinforced heavy frame to minimize the vibration during the operation.
- Specially designed for the hard grade carbide tip.
- Internal PLC Modem for diagnostics and trouble shooting. (option)



#### SAW CARRIER DEVICE

- : easy set up for 10" ~ 48" saw blades
- : strong magnetic holding power up to 80kg (176lbs)
- : powered by DC motor for X and Y axis
- : electronically controlled rigid guide tracks

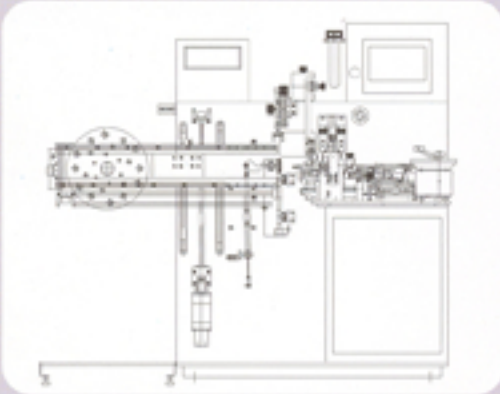
#### TOUCH SCREEN

- : fast and easy setup by touch screen icons for all saw and brazing configurations
- : variable screens for brazing conditions
- : intelligent error log information system
- : stores up to 20 different memory of saw data

#### MEDIUM FREQUENCY CUBE

- : medium frequency power 12kW / 185khz
- : combined optic pyrometer with generator system
- : accurate and consistent heating control
- : automatic annealing cycle

## STANDARD EQUIPMENT



L 2100 X W 1300 X H 1800

- saw pusher 1
- brazing assembly 2
- DC motor 3
- saw carrier device 4
- MF brazing 5
- 12kW power controller 6

## TECHNICAL FEATURE / SPECIFICATION

| ABR - 1200                 | TECHNICAL DATA  |
|----------------------------|---|
| saw blade diameter         | 10' - 48' (254 - 1220mm)  |
| saw blade thickness        | 0.047' - 0.255' (1.2 - 6.5mm)   |
| length of carbide tip      | 0.197' - 0.629' (5 - 16mm)  |
| width of carbide tip       | 0.079' - 0.354' (2 - 9mm)   |
| height of carbide tip      | 0.071' - 0.177' (1.8 - 4.5mm)   |
| hook angle                 | 10 - 37°, -10 - +30 degrees<br>37 - 48°, -8 - +18 degrees                       |
| flat solder                | thickness : 0.008' - 0.012' (0.2 - 0.3mm)<br>width : 0.079' - 0.315' (2 - 8 mm) |
| brazing time               | 10 sec  |
| electricity                | 220, 380, 460v / 60Hz / 3 phase   |
| medium frequency generator | 12Kw  |
| frequency                  | 1850Hz  |
| power source               | 15 Kw (40a)   |
| air pressure               | 7 Kg / cm <sup>2</sup>  |
| dimension                  | L 2100 X W 1300 X H 1800  |
| weight                     | 1.41 tons (1300Kg)  |
| saw collar size for loader | 0.63' - 11.79' (φ10 - 140mm)  |

