

# BRAZING SYSTEM FOR CARBIDE INSERT CUTTING & SIZING TOOLS



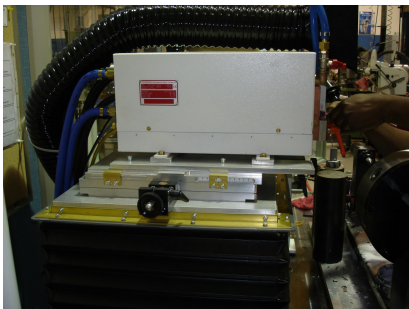
This complete system is designed for carbide insert brazing on a wide range of cutting tools and reamers. System can also be used to reheat tool for fast removal of worn carbide inserts for replacement.

## FEATURES/BENEFITS:

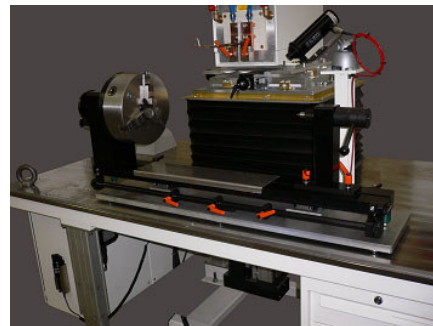
- Transistorized high frequency generator rated at 25 kW /100 to 400 kHz.
- Servo driven remote mounted heat station with tuning capacitors & inductor mounting plate.
- Micro processor with process monitoring display and pivoting operator's control/display panel.
- Quick change induction tooling requiring no hand tools.
- Optical infrared sensor to regulate the power to control surface temperature for brazing.
- Manual or automatic positioning and heating control capability.
- Central water recirculating system for cooling generator, heat station and inductor.
- Secure and accurate positioning of parts and induction tooling.
- Table height is automatically adjustable to operators requirements.
- Three jaw chuck and tailstock assembly for holding a wide range of part sizes and configuration.
- Brazing time is between 5 and 15 seconds depending on size and shape of carbide insert.
- Tool and part storage drawers located in the machine base.
- Foot pedal control of cycle start and inductor positioning.
- Complete power supply diagnostics operating parameters displayed on front panel.
- Fully interconnected system for ease of initial installation and portability.



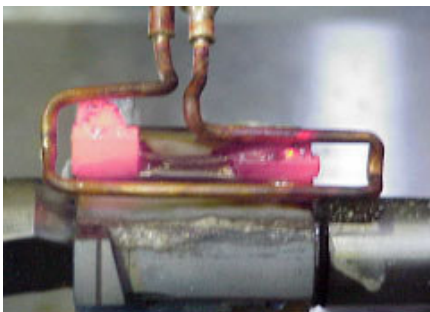
Complete system in operation for cutter carbide insert brazing.



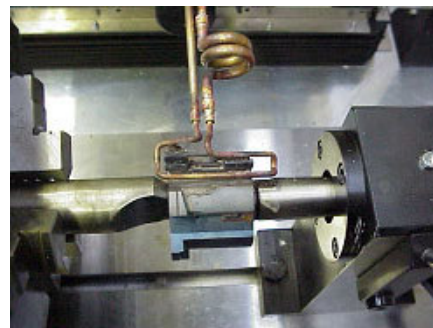
X-Y-Z adjustable heat station and inductor assembly.



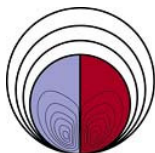
Machine tool type holding with servo driven heat station & infrared sensor.



Above is inductor heating holder and carbide insert for brazing.



Three jaw chuck and tailstock holding part for brazing.



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