PRECISION ENGINEERED SYSTEMS

An ISO 9001:2000 Company

Solutions That Work For You™

Automation Produces Higher Profits!!

Problem:
Low-volume manufacturer in the medical device industry needed to improve product quality, consistency and eliminate dependency on manual brazing.

Application:
Copper tubing, braze ring, chrome nut and brass fitting

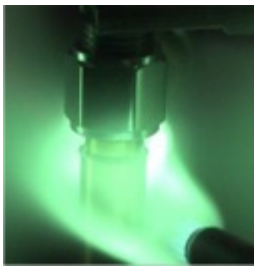
Solution:
The **CB Lite™** - an inexpensive, easy to operate, dependable brazing system.

Original Assembly Methodology: The operator assembled the parts then manually brazed the assembly using a torch and brazing filler metal rod. The success of the process depended on the skill of the operator. Production was slow and laborious. Operator fatigue and loss of interest was a problem, quality was inconsistent and the defect rate was high.

Automated Assembly Methodology: The operator loads the assembly on the CB Lite™ and presses the start button. The machine then moves the torches into position and rotates the assembly for uniform heating of the joint. While the CB Lite™ is brazing the part, the operator assembles the next part to be brazed.

Results with the CB Lite™: Automation produced consistent, high-quality parts. The Company reduced product cost, improved quality and consistency, and eliminated its dependency on manual brazing because the operator no longer needed to be a trained brazer.

Production Rate on the CB Lite™: Approximately 90 parts per hour.



Part being automatically brazed on the **CB Lite™**

Advantages of Automatic Brazing

- Consistent Quality
- Lower Labor Costs
- Lower Training Costs
- Higher Production Throughput
- Lower Braze Filler Metal Costs
- Improved Cosmetic Appearance

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