



INDUCTION BRAZING



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Induction Brazing:

Brazing is a process of joining or sealing two metallic components with a filler material to get better strength and better finish.

Advantages Of Induction Brazing Over Conventional Methods:

The Electronics Devices induction heating process achieves accurate, uniform consistency in brazing application. As a result quality is increased while rejection is reduced. Localized heating pin points the area to be brazed while protecting other areas. Oxidation and discolouration are minimized, often eliminating the need for a controlled atmosphere.

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Benefits Of Induction Brazing:

Induction heating has many advantages over competitive techniques, such as radiant or conventional heating - retarding methods. ED allows you to apply the latest induction heating techniques to your specific application. The following are just some of the many benefits of induction heating.

1. Better Quality:

- Consistent Brazing Joints with precise heating.
- Suitable for controlled atmosphere brazing.
- Localized heating results in minimum oxidation and discoloration.
- Environmentally Safe process.

2. Higher Productivity:

- In-Situ Brazing possible
- Adaptable to Automated lines.
- No Rejections.
- Leak Proof joints.
- Impressive Strength.
- Better Finish.

3. Reduced Costs:

- Operated by unskilled operator.
- Controlled amount of brazing material.
- Fast Process compared to conventional flame brazing methods.

Edvantage:

- ED helps you in selecting brazing material and right type of flux.
- Quick and total solution of coil design & fixture based on years of experience.
- Manual, semi - automatic, automatic & CNC controlled fixtures available depending on the requirement of sophistication in production line.
- Rugged and reliable equipment
- Excellent after sales service.
- Inbuilt safety circuits for machine & operator
- Quick solution
- Low impedance equipment are more suitable for brazing applications.
- Simple and user friendly handling fixturing solutions can be tailor made.

Equipments Supplied For Brazing

| Model No. | Power | Frequency | Job Example |
|-----------|-------|-----------|---------------------------------------|
| EDI-05 | 5kW | 50-80KHz | Agricultural equipment |
| EDI-10 | 10Kw | 50-80KHz | Automobile components |
| EDI-15 | 15Kw | 50-80KHz | Cutting Tools |
| EDI-20 | 20Kw | 50-80KHz | Automobile components |
| EDI-25 | 25Kw | 50-80KHz | Cutting Tools & Automobile Components |

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