

Small Pipe Inner Cladding System

- ✓ Suitable for $\phi 50-800\text{mm}$ pipe inner stainless steel cladding with MIG and TIG two processes.



1. Cladding dimension: length $\leq 1000\text{mm}$;
2. TIG cladding diameter(ID): $\phi 46-150\text{mm}$ (after cladding); MIG cladding diameter(ID): $\phi 150-800\text{mm}$;
3. Weld parameterized HMI input;
4. AVC tracking and shutdown memory function.

Internal vertical TIG automated cladding machine

- ✓ The installation is for internal vertical hole or valve line automatic cladding. Cold TIG / hot wire TIG welding processes.

1. Cladding hole diameter: $\phi 50-800\text{mm}$;
2. Cladding depth: 1000mm ;
3. Cone angle: 45° or 60° ;
4. AVC tracking and shutdown memory function.



30° Elbow Inner Cladding System

- ✓ Suitable for heavy pressure vessel 30°elbow internal surface automatic cladding with Tungsten electrode automatic TIG wire filling processes.

1. Elbow bending radius: 300~1200mm;
2. Elbow outer diameter: $\leq \phi 800\text{mm}$;
3. Elbow inner diameter: 180~700mm;
4. Elbow weight: $\leq 800\text{kgs}$;
5. AVC tracking and shutdown memory function.



90° Elbow Inner Cladding System

- ✓ Suitable for 90°elbow stainless steel inner continuous cladding operation.



1. Elbow degree: 90°;
2. Elbow inner diameter: $\phi 250 \sim 800\text{mm}$;
3. Elbow bending radius: 450~1000mm;
4. Horizontal circum continuous cladding work;
5. Cladding layer place as sector shape for automatic pass arrangement;
6. AVC tracking and shutdown memory function.

Strip Cladding Devices

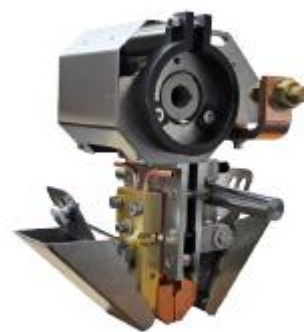
- ✓ For pressure vessel manufactured pipe, tube sheet surface automatic cladding.
- Submerged arc welding and electroslag cladding process.



KSC-30

- ✓ Tiny strip cladding head
1. Strip type: 30mm wide, 0.4/0.5mm thickness;
 2. Clad work:
Outer cladding: OD > 220mm;
Inner cladding: ID (after weld) > 350mm (longitudinal)
ID (after weld) > 360mm (circum);
 3. Preheat temperature: above 250° (forced water).

- ✓ Medium strip cladding head
1. Strip type: 30~60mm wide, 0.4/0.5mm thickness;
 2. Clad work:
Outer cladding: OD > 220mm;
Inner cladding: ID (after weld) > 400mm (longitudinal)
ID (after weld) > 600mm (circum);
 3. Preheat temperature: above 250° (forced water).

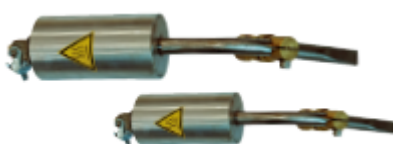


KSC-60



KSC-90

- ✓ Conventional strip cladding head
1. Strip type: 30~120mm wide, 0.4/0.5mm thickness;
 2. Clad work: above $\phi 800$ mm;
 3. Preheat temperature: above 100°C (forced water);
 4. Magnetic control should be used when above 60mm strip.



Magnetic control



KAIYUAN INDIA

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KWAI headquarter is located in Pune with Presales and Post sales support teams, Administration Office Demonstration Center, Training Center and Assembly shop.

Based on KAIYUAN GROUP products, KWAI offers to Indian customers international standard complete automation solution and introduces quite a few new processes and Automation lines. The Demonstration center in Pune, which is open to the customer all the time helps Indian Customers experiencing global standard unique welding and cutting automation solution offered by Kaiyuan.

We are committed to:

Step improvement in Indian Welding & Cutting industry by offering State of the Art Automation Solution.

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