

Idler Roller Welding Machine



Conveyor Idler Roller manufacturing process involves various sub-processes, one of them is the welding of the bearing housing to the cut-off pipe on both ends after the pipe is bevelled and boring is done at both the ends. This can be done by manually or by mechanized / automated systems. Improper welding in this stage may affect the quality of the end product i.e. finished idler roller.

KAIYUAN offers a world class PLC based automatic system for both end welding of steel pipes, which delivers high welding quality and productivity.

■ Salient Features

- The work-piece positioning, fixing, welding and repositioning can be done easily and faster, which saves time and improves productivity
- MIG/MAG welding is done at both ends using two torches simultaneously, which is faster and deliver higher productivity
- Welding current, voltage and speed of rotation can be pre-set from the remote panel easily, consistent quality and high productivity
- Job memories are provided so that the above pre-set parameters can be recalled, which saves time and ensures consistent quality

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■ Main Specifications

Specifications	HHCG-219-2.6D-T-2x350KR
Mains supply	415V AC, 3 Phase, 50Hz
Output current (max)	350A
Rated duty cycle at full load	350A / 50%
Wire diameter (MIG)	1.0 – 1.2 mm
Shielding gas flow (MIG)	10 – 25 L/min
Idler length	300 – 2600 mm
Idler diameter	76 – 219 mm
Spindle speed	1 – 6 rpm
Torch oscillation (right-left)	±45 Deg
Dimensions	3500 x 500 x 1150 mm
Weight	2200 Kgs