

Seam Annealing

Induction heating to normalize a welded seam

Pillar's seam annealer technology is ideal for meeting API specifications related to ERW pipe production. A laminated coil assembly along with an induction power supply provides rapid and even heating of the welded seam for maximum product quality.

MK-11

Features & Specifications



System Features Include:

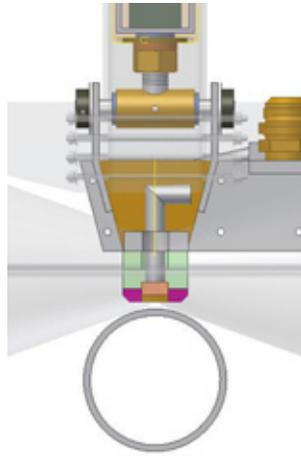
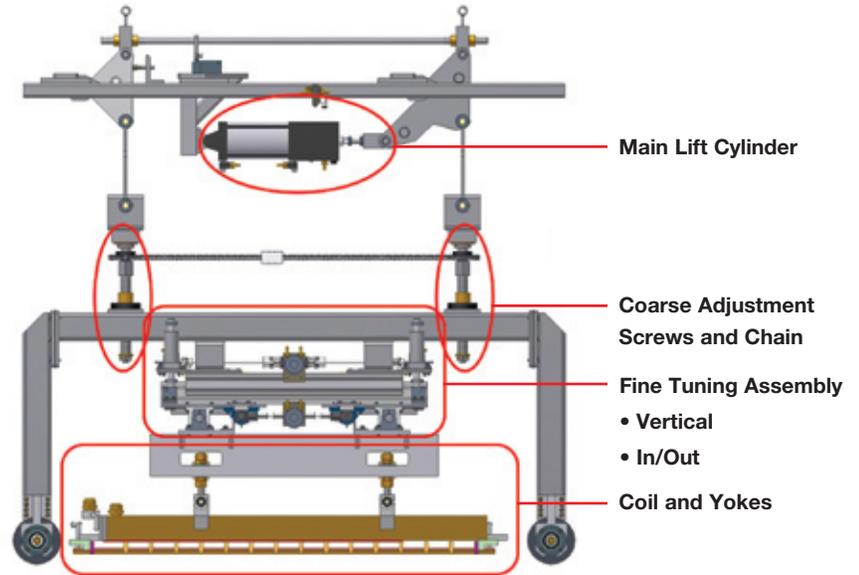
- Utilizing the highly reliable Pillar MK11 IGBT power supply with:
 - Power ranging from 150kW – 600kW per station
 - Output frequency of 1, 3, or 10 kHz available
- Single or multiple stations depending on production requirements
- Pipe sizes ranging from:
 - Wall thickness 0.167" to 0.625"
 - Diameter 2.375" – 26"
- Induction Coils, available in 48" & 60" overall length
 - High efficiency laminated inductor with silver soldered copper coil construction
- Integral water-cooling chamber
- Universal power terminations
- Overhead coil support connections



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The mechanism has several distinct motions.

- “Swing” motion or “Full Up”- pivoting swing and lift motion which will provide approximate 4" vertical lift and 4" horizontal in the direction of pipe flow. This motion may be initiated from the lift control panel or automatically in the event of ground fault. The ground fault will detect if a part touches the coil. The “up” position has a mechanical brake to prevent the assembly from unexpectedly lowering.
- Rough coil positioning of the coil and roller assembly (+/- 2"). This is a manual adjustment via nut and threaded rod for rough positioning.
- Fine vertical adjustment of +/- 1" via air motors from the lift control panel. ONLY the coil position is adjusted.
- Fine horizontal adjustment of +/- 2" via air motors from the lift control panel. This is in/out of the coil with reference to the heat station face. ONLY the coil position is adjusted.



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INDUCTION