

Miller Heat Induction

Applications



Preheat Prior to Weld

The Miller Induction Heating System is ideal for welding applications requiring preheat. Preheating of weldments is extremely important in driving out moisture and minimizing temperature differentials in the weld joint area. The end effect is reduced weld crack susceptibility and higher quality weld joints. Capable of heating to temperatures up to 400° F, this system satisfies most preheat applications.

Pipe Coating

Protective coatings over welded pipe joints are an important element in shielding against corrosion. The application of such coatings typically requires the pipe to be preheated to elevated temperatures which aid in adhesion and curing. Miller's Induction Heating System is ideal for applications requiring temperatures of 400° F or less. Heating of the pipe material is quick, efficient and clean when compared to other methods employed for this process.

Pipe Coating Removal

Removal of coating from pipe can be difficult and time consuming with the standard sandblast method. Heating of the cured coating using Flexible Induction Heating Blankets simplifies this process. With the use of Miller's Induction Heating System, coatings can be heated causing brittleness and bond strength reductions. Coatings can then be easily removed by brushing and scraping.

Stress Relief

Stress relief on high yield materials is important in minimizing cracking after welding. Miller induction heating equipment is perfect for stress relief applications. With use of the temperature control package, this system can maintain desired stress relief temperatures for duration required by ASME and ANSI standards.