HOT-SPOT HEATING & COATING REMOVAL SYSTEM

Induction heating is the easiest and fastest method to remove existing coatings or deep paintings.
Induction coil generates heat in the steel substrate and this heat break the bonding. The coating is then removed entirely without disintegrating and completely free from contaminating agents, i.e. blast media.

Headquarters - Via Piave 20/11 20071 Vermezzo con Zelo, (MI) Italy
Phone: +39.02.9440501 info@tesigroup.com
www.tesigroup.com

The Induction disbonder removes asbestos, lead and toxic coatings without compromising the health of operators or environment. The system is clean and doesn't produce dust, it's noiseless and it's eco-friendly since it bring to high reduction in energy consumption.

Menaging of disposals and recycling of waste is easy and cheap companed to conventional methods.

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This system is used also for coating repair. When a field joint is made with evident defect or when a coated joint is not approved by QA/QC Inspectors, then the Field Joint Coating provider is required to repair the joint.
Repair process consist in three phases:

1) Surface preparation
   Stripping the coating from the defective area, clean the steel substrate, swepblast the perimetral coating. By the use of the so called Pancake-Coil the demaged coating that have to be removed can be heated and stripped out more easily.

2) Spot heating
   Heat the steel substrate and the perimetral coating by use of a shaped coil. TESI design and manufacture silica-gel induction coil specifically for the type of repair required. The so called Pancake-Coil is designed to heat a specific area without effecting the already applied coating all around.

3) Coating repaired
   Once the surface is properly heated then the coating can be repaired in compliance with the Field Joint Coating specification.

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