FURNACE WALL REPAIR

FURNACE WALL (BELLY BAND) REPAIR UTILIZING KT-GRANT EQUIPMENT

Utilizing KT-Grant's specialized equipment throughout North America and around the world, furnace wall (belly band) repair is being maintained more efficiently with less downtime.

With 360 degree rotation, fire retardant fluids, and unsurpassable maneuverability, KT-Grant's track machines and their assorted specialized, quick change attachments have set the standard for belly band repair.

Utilizing the carbide tip, rotary profiler, the furnace walls are profiled, removing dross without the use of heavy jack hammering. Once the walls and profiled, the oscillating gunnite sprayer attachment is used to apply new refractory to the walls with gunnite or shotcrete (supplied by plant or refractory contractor pump) all while the furnace is still hot (typical temperatures never fall below 350°F during repair). With the furnace being hot, the moisture levels are driven off thus reducing the need to bake out the moisture in the new refractory.

Using the remote controlled track machine and its assorted attachments, the furnace wall repair time is reduced from 6 to 8 days, to just hours. Personnel never enter confined spaces. With the quick turn-around, repair cost is reduced by 40%, production down-time is minimized and furnace yield is increased.

KT-30R Applying gunnite to the back wall

- Standardized equipment, no specialty equipment necessary.
- Furnace repair can begin with the temperatures below 1000°F.
- Remote controlled, no personnel enter confined spaces.
- Furnace repair completed in less than one day keeping temperatures around 600°F.
- High temperatures mean reduced bake-out of the furnace.
- Minimum furnace down-time, even with major wall and floor repair.
- Production impact is reduced.
- Cost of repair is reduced by 40%.
- Furnace yield increase.

Left: "Football" profiler head with carbide tips
Right: Conical profiler head with carbide tips

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