

1.3.63. THE APPLICATION OF ULTRASONIC TESTING FOR COATING LAYER BONDING OF COPPER MOLD

Chen P.-K., China Steel Corporation, Kaohsiung, Taiwan ROC

Dis-bonding of mold coating layer of casting machine in steel mill can create the production loss and the personnel safety harm, We used ultrasonic testing to know the bonding condition between coating layer and the parent metal of replacement mold. And discovered the surface fissure of coating mold has had the big area of Dis-bonding.

Further using UT to evaluation and quantification the percentage of Dis-bonding area, has established according to this: The standard operation procedure of ultrasonic testing of layer bonding of mold for steel mill casting machine, prevented and reduces the Dis-bonding phenomenon of mold which occurs during production.