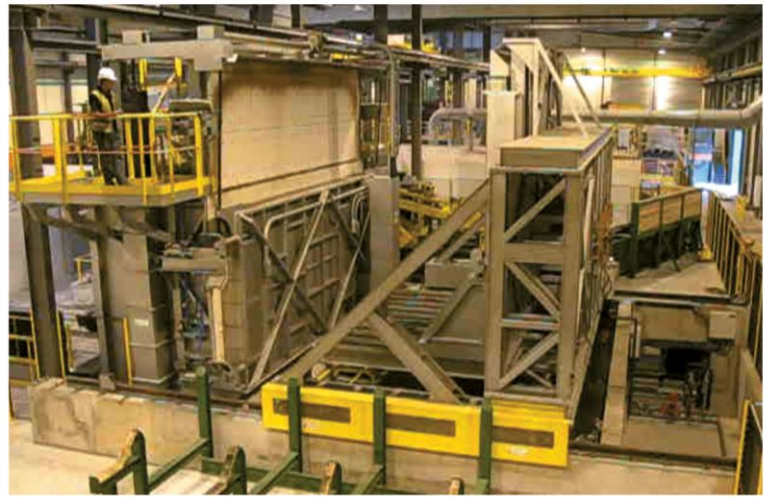


Box Type Heat Treatment Furnace For Steel Casting With Manipulator

- Electric / Gas Heating source can be adopted for box type furnace. It is heavily constructed structure.
- This furnace is used for hardening and Quenching application with auto Quenching manipulator.
- The furnace is best suited for different industrial metal heat treatment.
- Tempering Furnace is suitable for all kinds of tempering job.



▲ Water Quenching basket loading and unloading manipulator

- These durable and high performance furnaces are managed by electricity or oil both.
- Our range of furnaces has an extractable loading plate which is used for loading and unloading of the furnace.
- We offer a high performance range of furnace which is precisely engineered by our expert professionals. The range is also customized as per client's requirement.



▲ Box type furnace for steel casting heat treatment with SS310 charging basket.

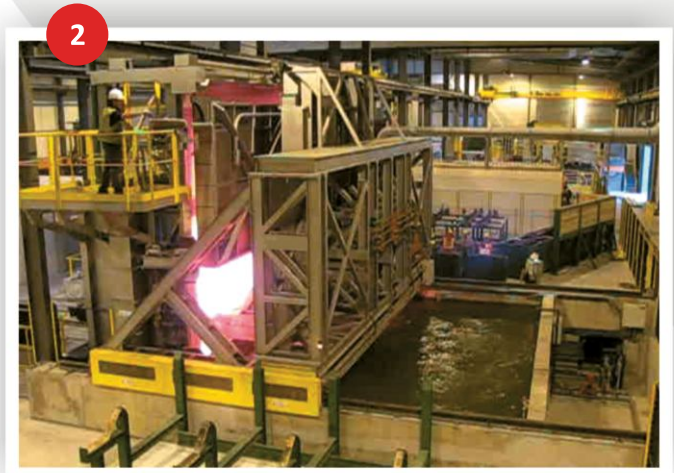


▲ Box type furnace for steel casting heat treatment.

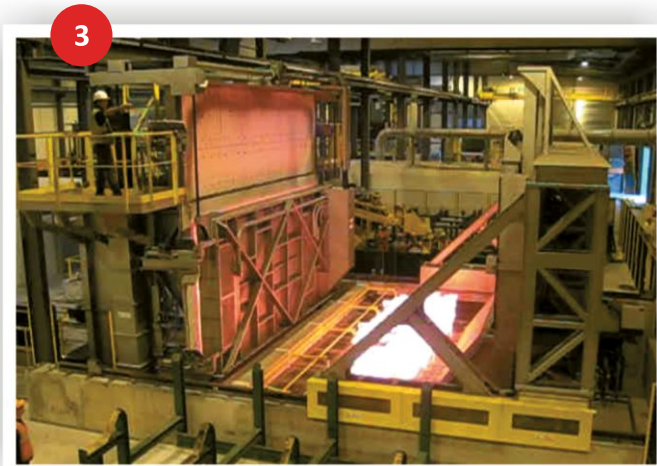
Water Quenching Mechanism With Hydro-electrically Operated Manipulator



After completion of heat treatment cycle furnace door opening position.



Manipulator ready for taking the charge for Quenching process.



The Charge lifted is approx. 5 Mt. and ready for Quenching process.



The whole charge is Quenched in a water tank effortlessly by manipulator.

Highlights of Heat treatment and water Quenching process

- The furnace is box type furnace with Gas / Electrical heating source.
- The furnace opening door is synchronised and interfaced with manipulator by a PLC based SCADA controlling system and mechanism.
- These all Quenching processes can be finished within one minute after heat treatment and soaking period is completed.
- The whole process will be completed with manless material handling system with simple designed electro- hydro mechanical device is called Manipulator.



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