HEAT TREATMENT AT KIRLOSKAR PNEUMATICS COMPANY LTD, HADAPSAR, PUNE



Heat Treatment Facilities & Capacity			
Furnace Type	Tonnage Capacity	No. Of Furnaces	Max Charge Size (OD X L) in MM
Pit Type Electrical Heated	1	3	850 X 1000
	2	1	1200 X 1700
	3	1	1460 X 1350

Quench Tanks (With Oil Agitation)

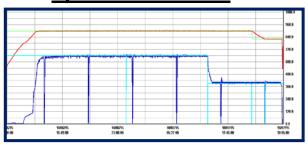
Tank No.1 :- Round tank with Ø1200 mm and depth 2000 mm having volume 20000 Ltrs.

Tank No.2 & 3:- Integrated rectangular tanks with sizes (L X W X H in mm) 3800 X 2500 X 1800 and capacity 38000 Ltrs.

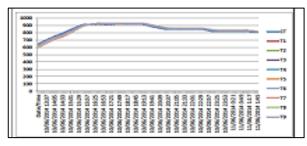
Special Features



SCADA Operating System



Trend Charts of Batches



Thermal Stability ±5°C

- > Process controlling is by SCADA software. No manual intervention hence precise control on process.
- > SCADA system facilitated with alarm system and real trend charts.
- > Periodic calibration of furnaces by thermal mapping and nine point study.
- > All sensors are calibrated in NABL laboratories.
- > Minimum temperature variation across entire volume of furnace.
- > Compatibility of processes like Case Carburising, Hardening, Stress Relieving, Annealing, Normalising etc.

INSPECTION FACILITIES

A well equipped NABL accredited laboratory for Mechanical and Chemical Testing with ultra modern testing facilities.











Micro Hardness Tester for Effective case-depth measurement

Other Testing Facilities include microscope for microstructure analysis, Ultrasonic testing, radiography, UTM, Brinell cum Vickers hardness tester, Rockwell cum surface hardness tester etc.