



MORE THAN
3 DECADES
OF DEDICATED SERVICE



NISHA
engineers (india)

ONE STOP
SHOP FOR
HEAT
TREATMENT!

RADIANT TUBES
BASE TRAYS
BASKETS FIXTURES
IMPELLER-SHAFT
HEATING ELEMENTS
MESH BELTS
ASSEMBLIES
WIRE MESH





PROFILE

Nisha Engineers (India), a flagship company of Nisha Group is dedicated to serve the heat treating industries and primarily manufacture spares & fixtures for all types of heat treatment furnaces including Sealed Open and Vacuum furnaces. With vast experience of over 3 decades in this line, we understand the behaviour of Nickel alloys under extreme Heat and rapid thermal cycles better and put in this experience to design and manufacture high nickel-chrome alloy steel fixtures, resistant to high temperatures and deformations.

The range of spares, fixtures and accessories we manufacture include Base Trays, Baskets, Grids, Shaker Hearth Plates, Fan-Shafts, Wire Meshes, Mesh Belts, Retorts, Radiant Tubes, Heaters etc. which are either Cast from heat resistant alloys conforming to ASTM A 297 / IS 4522 using green sand moulding / investment casting process and/or are Fabricated from heat resistant wrought alloys such as AISI 310, AISI 314, Inconel, Incolloy, Nimonic, Nichrome, Kanthal etc.

In other words, Nisha Engineers (India) offers total solution to the needs of today's modern heat treating industries and has earned its reputation of being addressed as the Super Market for heat treating industries.

NEW COLLECTION



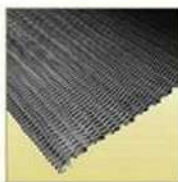
IMPELLERS & FAN-SHAFT ASSEMBLIES



CORRUGATED BASKETS



WIRE MESH



CONVEYOR BELTS



HYBRID FIXTURES FOR VACUUM FURNACES



CAST PANEL TYPE BASKETS



FABRICATED BASKETS WITH WIRE MESH



HEAT RESISTANT HARDWARE



DIFFUSER BASE



HEATING ELEMENTS & RADIANT TUBES



RETORTS



LOW WEIGHT FABRICATED FIXTURES



INVESTMENT CASTINGS



CAST LINK CONVEYOR



BASE TRAYS FOR SQE, CGC, VACUUM FURNACE ETC.



CAST GRIDS FOR VACUUM /SQE/CGC FURNACES



SHAKER HEARTH PLATES



MUFFLES



FIXTURES FOR PIT TYPE FURNACES



CAST GRIDS FOR PIT TYPE FURNACES

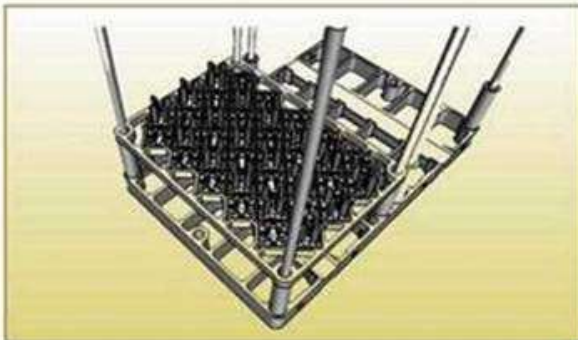
TYPICAL CHEMICAL COMPOSITION OF CAST ALLOYS

CAST ALLOY GRADE	Ni% (AVG.)	Cr% (AVG.)	C% (AVG.)
NHH	12	25	0.4
NHK	20	25	0.5
NHN	25	20	0.5
NHT	35	15	0.5
NHU	38	18	0.5
NHX	66	17	0.5

SOME OF THE UNIQUE FEATURES

3D MODELLING

We offer 3D modelling for the new fixtures designed by us which gives 360 degree view for better understanding and visualisation of critical areas. This is very helpful in deciding about capacity enhancement of new fixtures.



3D PRINTING

Facility available for small prototype fixture samples using state of the art 3D printing machine. This is generally used before final manufacturing of investment castings to check proper fitment & precise dimensions. Saves on expensive die re-work too.



FUSION WELDING OF FIXTURES

Industry first to have in-house state of the art Fusion welding facility. In great majority of applications, the inter-atomic bond is established by melting. Since there is no use of filler materials or welding electrodes, there is no question of weld cracking and thus imparts very good weld strength at elevated temperatures. Fusion welded Baskets or weld meshes, for example, offer very good life as compared to same fabricated using conventional welding.



NISHA
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We also recycle your used
fixtures - Ask us how