



Company Profile :

Management

"DECK" is the first SSI Unit in Pune, Specialised in Liquid Nitriding, Tuftriding, Nitro-Carburising Process since 1998. Considering demand from our existing customers & Industries and increase in higher quality standards, activated us to start Gas-Carburising, Carbo-Nitriding, Hardening & Gas-Nitriding. Our Management Team Totally Comprises of professional engineers & Metallurgists having 20 - 25 years experience in large scale Industries.

Our **Mr.D.K.Salunkhe** is having vide experience in field of Diesel Engines & Automobiles. He worked 12 Years with Kirloskar Oil Engines Ltd. As a Manager (Materials). 4 Years with Greaves Ltd.(DEU) Manager (Vendor Development) and One year in Bajaj Tempo Ltd. as a Manager (Purchase).

24 Hrs 365 Days Quality Heat Treatment Services

Increase The Life Of Components

A) Case Hardening

- Liquid Nitriding, Tuffriding.
- Nitro - Carburising
- Oxidising
- Gas Carburising
- Carbo-Nitriding. Precipitation Hardening
- Induction Hardening
- Gas Nitriding & Nitro - Carburising

B) Hardening - Tempering

C) Austempering

D) Stress Relieving

E) Annealing

F) Normalising

G) Ageing

H) AL Heat Treatment

Company Details :

• Name of Company	DECK INDIA ENGINEERING PVT. LTD. (TS 16949 2009 CERTIFIED COMPANY)
• Works & Office Address	S.No. 671, Kudalwadi, Chikhali, Pune 411062.
• Tele-fax No.	+91 - 96510 65641 - 50
• Email Website	deckindia@gmail.com / www.deckindia.com/
• Contact Persons	Mr. D. K. Salunkhe
• Weekly off.	Working on all days (24 Hrs- 365 days)
• Nature of the Company	Private Limited
• Name of working Director	Mr. D. K. Salunkhe B.E.(Mech.), PGDMM (IIMM)
• Office area	2200 sq. feet
• Total Area	Built-up area 15,000 sq. feet Total area 22,200 sq. feet
• Shop act No.	Chikhali / II / 1145 dated 24/10/2002
Certificate Of Incorporation	U 29299 PN 2002 PTC 017215 dated 19/08/2002
• SSI No.	MSME 270251201107 dated 05/03/2007
• Sale Tax No.	VAT TIN No:27840241695V CST 27840241695C w.e.f. .1.4.2006
• PAN No.	AABCD8260B
• Name of Bank	Corporation Bank (Pimpri - Chinchwad Branch)
• RTGS Details	NEFT / IFSC For RTGS - CORP0000445 MICR Code - 411017003 A/C No. - 044500401130003
• Nature of Business	Heat Treatment Job work, Equipments & Fixtures.
• Major Customers	Clients

List of Equipments :

Sr.No.	Machine Name	Machine No.
1	LIQUID NITRIDING FURNACE - 600 MM DIA X 1000 MM DEPTH	F-1
2	OXINATING FURNACE -500 MM DIA X 1000 MM DEPTH	F-2
3	LIQUID NITRIDING FURNACE -750 MM DIA X 1050 MM DEPTH	F-11
4	LIQUID NITRIDING FURNACE - 600 MM DIA. X 1000 MM DEPTH	F-3
5	TEMPERING FURNACE- 600 MM DIA. X 1000 MM DEPTH.	F7
6	GAS CARBURISING FURNACE - 600 MM DIA X 1000 MM DEPTH	F-4
7	GAS CARBURISING FURNACE - 600 MM DIA. X 1000 MM DEPTH	F-6
8	COMPRESSOR	C-1
9	COMPRESSOR	C-2
10	HOIST	HI
11	CUTTING MACHINE	S 1
12	BELT POLISH MACHINE	S2
13	LAPPING MACHINE	S3
14	META CUTTING MAACHINE	S4
15	DIESEL ENGINE GEN SET 63 KVA	D.G.1
16	AGITATION UNIT	A-1
17	SALT BATH FURNACE 450 MM DIA X 700 MM DEPTH	F5
18	GAS CARBURISING / NITRIDING FURNACE - 9.50 MM DIA X 1200 MM DEPTH	F12
19	GAS CARBURISING / NITRIDING FURNACE - 750 MM DIA X 1200 MM DEPTH	F14
20	AMMONIA (NH3) DISSOCIATION UNIT	NH3 - D
21	KEC MAKE INDUCTION HARDENING MACHINE 450 KHz, 25 KW	IH 15
22	DELAPANA MAKE IND HARDENING MACHINE 375 KHz, 25 KW	IH 16

23	NITRIDING FURNACE – 600 MM DIA X 1000 MM DEPTH	F17
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No.	Identification No.	Sr. No	Instrument	Instrument Type
1	HT/TSM/O1	2001/159	Hardness Tester	Rockwell Cum Superficial Hardness Tester
2	HT/RHT/O1	2003/1262	Hardness Tester	10X, 40X, 100X, Magnification
3	HTIMHT/O1	MHT-I	Hardness Tester	Micro Hardness Tester
4	HT/RHT/02	2002/1137	Hardness Tester	10X, 40X, 100X, Magnification
5	CHEMICAL LAB.	-----	For Titration Analysis	Nitriding & CHT Salts
6	POLDI	-----	POLDI Hardness Tester	10X, 40X, 100X, Magnification
7	MICROSCOPE	-----	Micro-Scope	IOX, 40 X, 100 X Magnification
8	MICROSCOPE MS/01	331264	NIKON Micro-Scope	IOX, 50 X, 100 X Magnification
9	CUTTING MACHINE	0609449	Metacut-I	Medium Duty Abrasive Machine
10	POLISHING MACHINE	0607401	Metapol-2	Grinder / Polisher
11	HOT MOUNTING MACHINE	0609450	Metamount-2	Hydraulicmounting press
12	HT / VHT / 03	2008/82	Hardness Tester	Vickers cum Brinell Hardness Tester

Quality Services :

We believe quality through Process Control. Our Furnace is Electrically heated having dual temperature controller one is for bath & other is for jacket temperature. This ensures uniform & accurate temperature of bath.

We are having FULL PHASE CHEMICAL & METALLURGICAL Laboratory.

Liquid Nitriding

Our process is non-pollutive, sulphur accelerated at low temperature ($570 \pm 10^{\circ}\text{C}$).

It is an ideal process to improve the resistance of ferrous materials to wear, seizure, corrosion & fatigue. For a specified period of time of soaking of components in bath, produces a compound zone of 10-25 microns & nitrogen diffusion layer of 0.2-0.6mm. It advantageously replaces shallow depth case hardening & carburising.

Applications

Camshafts, Bushes, Rocker Shafts, Tappets, Shafts, Oil/Fuel & Water Feed Pumps, Gears, Spindles, Bearings, Cylinder Liners, Sprockets, Guides, Cages, Valves, Rocker Arms, Slides, Crankshafts, Valve Guides, Shafts, Flanges, Pins, Tools, Dies, Sheet Metal Parts, Machine Parts, Stainless Steel Components, Cast Iron Items, Transmission Parts and Any Ferrous Material.

Furnace Size

600 mm dia X 1000 mm Depth.

Oxidising

The oxidising process has been developed to further improve corrosion resistance of ferrous material previously liquid nitrated. The process is carried out at $425 \pm 25^{\circ}\text{C}$, provides a pleasing black colour. This process can replace hard chrome in number of applications. This process eliminates problems like peel off, hydrogen embrittlement & non uniform plating thickness.

Carbo - Nitriding

It is a modified form of gas carburising. In this Process the nitrogen diffuses into the steel simultaneously with carbon. Carbonitrided case has better hardenability & wear resistance than carburised case.

For many applications, carbonitriding the less expensive steel will provide properties equivalent to those obtained in gas carburised alloy steels. Steel Commonly carbo-nitrided includes those in the 1000, 1100, 1200, 1300, 1500, 4000, 4100, 4600, 5100, 6100, 8600 & 8700 AISI series of low carbon steels.

Medium carbon or alloy steels are often carbo-nitrided to provide better wear resistance than conventional hardening. Case depth in carbo-nitriding is limited to 0.3 to 0.7 mm.

Furnace Size

600 mm dia X 1000 mm Depth.

Gas-Carburising

- Furnace is having Oxygen probe & Milli-volt Controller facility to control surface carbon accurately.
- It is also having facility for nitrogen purging & ammonia dissociation unit for gas nitriding.

Quality & Testing Equipments :



Micro Hardness Tester of Matsuzawa Seiki Co. Ltd., Japan Having a load range of 10, 25, 50, 100, 200, 300, 500, 1000 gms (dial switching) with 100, 400, 1000 x magnification.



Metallurgical Microscope attached to the computer for checking Micro- Structure And Case Depth. The required image can be freezed, captured And send through Email to the customer.



Rockwell Superficial Hardness Tester (Model : TSM Fine) having a Rockwell load range of 60, 100 150 kg And Superficial load range of 15, 30, 45 kg.



Chemical Laboratory
Checking of Cyanate, Carbonate & Cyanide % of bath by titration.



Dispatch Section



Client List :



Greaves Limited. (DEU)
Pune

IFB Industries Limited.
(KOLKATA)

Achal Industries

Grea Yes Limited. (LEU)
Chennai

Trinity Die Forge Limited

Starways Precision Pvt. Ltd

Vickers Systems Limited.

Sakar Udyog

R.D Enterprises

Certificate :

	
DNV BUSINESS ASSURANCE	
MANAGEMENT SYSTEM CERTIFICATE	
Certificate No.: CERT-07081-2004-AQ-HOU-IATF IATF Certificate No.: 0161895 Page 1 of 1	
<i>This is to certify that the Management System of</i>	
DECK INDIA ENGINEERING PVT.LTD.	
S.No. 671, Kadalwadi, Chikhali, Tal. : Haveli, Pune - 412 114, India.	
<i>Supporting Site Extension: None</i>	
<i>Remote Supporting Functions: None</i>	
<i>has been found to conform to Technical Specification</i>	
ISO/TS 16949:2009	
<i>having been audited in accordance with the</i>	
<i>Rules for the registration scheme for ISO/TS 16949:2009 - 1st Edition</i>	
<i>This Certificate is valid for the following products/service ranges</i>	
PROVISION OF HEAT TREATMENT SERVICES LIKE LIQUID & GAS NITRIDING (NITRO CARBURISING), HARDENING , TEMPERING , CARBURISING, CARBONITRIDING, STRESS RELIEVING, INDUCTION HARDENING & SOFTENING , ANNEALING, 'AL ' HEAT TREATMENT -SOLUTION TREATMENT & PRECIPITATION HARDENING (AGEING) EXCLUSIONS: 7.3 PRODUCT DESIGN	
<i>Initial Certification date</i> 15 June 2004	<i>Place and Validity start date</i> Katy, Texas, 02 May 2013
<i>This Certificate is valid until</i> 01 May 2016	<i>for the accredited Unit</i> DET NORSKE VERITAS CERTIFICATION INC., KATY, TX, USA
<i>Manish Thakurdas</i> Manish Thakurdas Lead Auditor	 Robert Kozak Management Representative
<i>Audit Conducted by DNV Office located in Pune, India</i>	