



INSHAPE
TECHNOCAST PVT. LTD.

We Shape Future of Engineering

MANUFACTURER OF
***INVESTMENT
CASTING
PRODUCTS***

AN AS9100D & ISO 9001:2015 CERTIFIED COMPANY



Our Investment Casting Solutions

We at ITPL & IPCPL, craft casting method for producing castings in a investment casting and material we supply Steel, Iron and Non-Ferrous alloy castings.

Industries We Serve



Oil & Gas
Industry



Pump & Valve
Industry



Automobile &
Locomotive



Marine
Industry



Medical &
Surgical



Defense &
Aerospace



Hardware &
Tools



Agricultural
Industry



Food &
Beverages



General
Engg. Industry

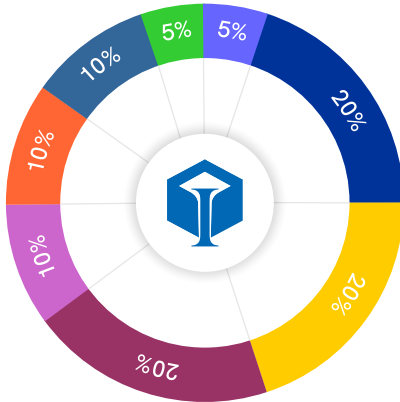


Earth Moving
Industry



Fire
Fighting

Investment Casting Facility



 VALVES

 PUMPS

 GENERAL
ENGINEERING

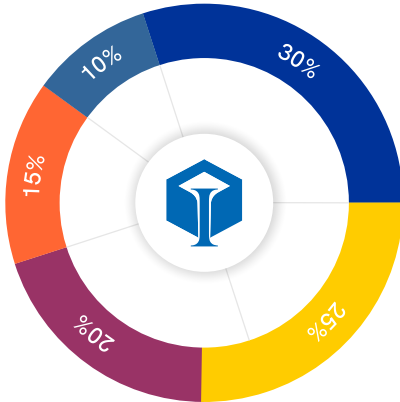
 AGRICULTURE
MACHINERY PARTS

 AEROSPACE

 DEFENCE

 MARINE
ENGINEERING

 INSTRUMENTATION



-  **STAINLESS STEEL**
-  **CARBON STEEL**
-  **SUPER ALLOYS**
-  **NON-FERROUS**
-  **IRON GRADES**

Investment Casting Facility



Investment Casting Facility



Our Certifications



ISO 9001:2015



PED (Pressure Equipment Directive)

Our Products

We at ITPL & IPCPL , craft casting method for producing castings in a investment casting and material we supply Steel, Iron and Non Ferrous alloy castings.

Pumps



Valves



Machined Parts



Industrial Parts



Automobile



Hardware



Marine



Our Products

Mechanical Testing:

- Universal Testing Machine 40 KN capacity with electronic extensometer.
- Impact Testing: Impact Testing Machine up to 300 J.
Test temp range - Ambient to -196°C.
- Microscope: Micro structure Examination.
- Hardness Testing: Brinell & Rockwell Hardness Tester.
- Inter Granular Corrosion Test: Unit for IGCT practice A, B, E, C & F.

Chemical Analysis:

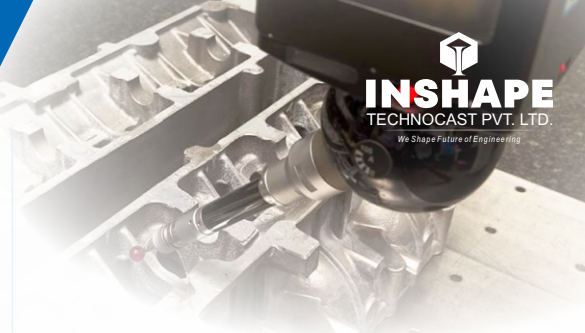
Spectrometer: Fe, Ni, Al, Cu, CO base Spectrometer up to 45 elements with Nitrogen analysis.

Other Testing:

Other testing facility like Special Microstructure, Ferrite Content, Pitting Corrosion Test and any other tests are carried out at NABL approved third party laboratory.

Non-Destructive Testing:

- Dye (Liquid) Penetrate Test.
- Ultrasonic Testing.
- Magnetic Particle Testing.
- Eddy current test.
- Radiography Testing.
- Hydro Test.



Dimensional Tolerance:

Those tolerance apply as general. Closer tolerance can be achieved depending upon part geometry and application of component.

Size Range	Tolerance
Up to 25mm	± 0.12 mm
25 to 50mm	± 0.25 mm
50 to 75mm	± 0.38 mm
75 to 100mm	± 0.50 mm
100 to 125mm	± 0.62 mm
125 to 150mm	± 0.76 mm

Material We Handled

CORROSION RESISTANCE STAINLESS STEEL – NON HARDENED

CAST	UNS	WROUGHT	ASTM
CB30	J91803	431	A743
CC50	J92615	446	A743
CD4MCU(A)	J93370	255	A351/A890/A995
CD4MCU(1B)	J93372	255	A890/A995
CD4MCUN(2A)	J93376	255	A351/A890/A995
CD6MN(3A)	J93371		A890/A995
20S			A890/A995
CD3MN(5A)	J93404		A890/A995
CD3MCUN(6A)	J93380		A351/A890/A995
CE30	J94243	312	A743
CF3	J92600	304L	A351/A743
CF3M	J92800	316L	A351/A743
CF3MN	J92804	316LN	A351/A743
CF8	J92600	304	A743
CF8MN(3)	J92600	304	A743
CF8C	J92710	347	A351/A743
CF8M	J92900	316	A351/A743
CF8M(NM)	J92900	316	A743
CF10		304H	A351
CF10M	J92901	316H	A351
CF10MN	J92972	NITRONIC 60	A351/A743
CF16F	J92701	303	A743
CG6MN	J93709	NITRONIC 50	A351/A743
CG3M	J92999	917L	A743
CG8M	J93000	317	A351/A743
CH20	J93402	309	A351/A743
CK20	J94200	310	A743
CN3M	J94625	8743	A743
CN7M	J80007	CARPENTER 20	A351/A743
CN7MCB-3		UDDELOHM 904L	-
ILLIUM P	-	-	-
ILLIUM PD	-	-	-

CARBON STEEL & ALLOYS

CAST	UNS	WROUGHT	ASTM
WCA	J02502	-	A216
WCB	J03002	1030	A216
WCC	J02503	-	A216
WC1	J12524	-	A217
WC4	J12082	-	A217
WC5	J22000	-	A217
WC6	J12072	-	A217
WC9	J21890	-	A217
WC11	J11872	-	A217
CS	J42045	502	A217
LCA	J02504	-	A352
LCB	J03003	1030	A352
LCC	J02505	-	A352
LC1	J12522	-	A352
LC2	J22500	-	A352
LC2-1	J42215	-	A352
LC3	J31550	-	A352
LC4	J41500	-	A352
LC9	J31300	-	A352
1018	-	1018	-
1A(1020)	J02002	-	A732/A915
2A(1030)	J03011	1030	A732/A915
3A(1040)	J04002	-	A732/A915
1045	J04502	1045	A915
4A(1050)	-	-	A732
5N(1120)	J13052	-	A732
6N(1020)	J13512	-	A732
7Q(1130)	J13405	4130	A732/A915
8Q(1140)	J14049	4140	A732/A915
9Q(1130)	J23055	-	A732/A915
10Q(1140)	J24045	4340	A732/A915
11Q(1160)	J12094	-	A732
12Q(1150)	J15048	6150	A732
13Q(1160)	J12048	8620	A732/A915
14Q(1160)	J13051	-	A732/A915
15A(12100)	J19966	-	A732
9N	J13502	4130	A487

CORROSION RESISTANCE STAINLESS STEEL HARDENED

CAST	UNS	WROUGHT	ASTM
C12	J82090	-	A217
C12A	J84090	-	A217
CA15	J91150	410	A217/A487
CA15M	J91151	-	A487/A743
CA40	J91153	420	A743
CA120	J91639	440C	AMS53552
CA6NM A	J91540	F6NM	A487/A743
CA6NM B	J91540	-	A487
CA6N	J91650	-	A743
CA28MWV	J91422	422	A743
CB7CU-1	J92190	-	A747
CB7CU-2	J92110	-	A747

NICKEL BASE SUPER ALLOYS

CAST	UNS
A494-M35-1	2.4365
A494-M35-2	-
A494-Cy40	2.4816
A494-CW12MW	2.4686
A494-CW6M	-
A494-CW2M	2.461
A494-CW6MC	2.4856
A494-CX2MW	2.4602
A494-CU5MUCUC	2.4858
A560-50CR50NINB	-



INSHAPE

TECHNOCAST PVT. LTD.

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For Business Inquiry:

Investment Casting Factory

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Daliya-Ribada Main Road, Village: Sadak Pipaliya
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Thank you!