



**Adding Value to
Steel Castings**



www.veeyes.co.in

About VEEYES Group

30 Years of Industry Experience

History

VEEYES, a family owned business founded by **Mr.A.Shanmugam** in the year 1991 as VEEYES ALLOYS PRIVATE LIMITED was started with a capacity of 50 tons per month. To nurture the family business & support entrepreneurial activities second-generation members **Mr. Ezhilan Shanmugam** and **Mr. Suresh Shanmugam** both from an engineering background, joined board in 2000.

VEEYES, focused on customer requirements and market dynamics, has led to expansion of business with other group companies

VEEYES Alloys (P) Ltd.

Plant 1

(Steel Foundry) **1991**

VEEYES Alloys (P) Ltd.

Plant 3

(Machine Shop, Unit I) **2006**

VEEYES Alloys (P) Ltd.

Plant 5

(Steel Foundry) **2013**

VEEYES Alloys (P) Ltd.

Plant 2

(Steel Foundry) **1996**

VEEYES Alloys (P) Ltd.

Plant 4

(Machine Shop, Unit II) **2009**

VEEYES Alloys (P) Ltd.

Plant 6

(Assembly Shop, Unit III) **2018**



We serve for Oil & Gas, Marine, Mining, Nuclear, Petro-chemical, Paper and Pulp industries.



Vision



To provide total casting technology that satisfies the customer's needs, as well as meets target costing and quality standards.

Mission



A strong commitment to maintain high standards in casting & machining, to collaborate, exchange ideas and provide holistic machined castings using latest technology.

Software Available

Design : SOLID WORKS, AUTOCAD

Simulation : Magma 6.0 Casting Simulation

Pattern stored

7,000+ nos.

Pattern storage area

1,00,000 sq.ft (10,000 sq.mt)



Co₂ Process

Mould Size

Minimum : 500 X 400 X 400 mm

Maximum : 2500 X 2000 X 1600 mm

Two Part Resin System Process (Alphaset)

10 Ton & 3 Ton continuous mixer

Minimum 400 X 400 X 250 mm

Maximum mould size: 1600 X 1600 X 400 mm

Centrifugal Casting Process

Horizontal Spin

Outer Ø Min 200 mm to Ø Max 650 mm, Length 1000 mm
for Sleeves, Seat Rings, Control valve cages, Diffusers &
Wear rings for Industrial Valve & Pumps.

Vertical Spin

Table Dia -1650 mm X 1000 mm HT for Ball Valve Balls -
Floating & Trunnion Balls, From 8" to 24" sizes Outer Ø
Min 300 mm to 1200 mm length, for Sleeves, Seat rings.



INFRASTRUCTURE

Melting

Medium Frequency Induction Furnace

VEEYES Alloys (P) Ltd PLANT 1
300 KG, 500 KG, 1500 KG & 2500 KG.

VEEYES Alloys (P) Ltd PLANT 2
250 KG, 1000 KG and 2500 KG.

VEEYES Alloys (P) Ltd PLANT 5
250 KG, 500 KG and 1000 KG.



INFRASTRUCTURE

Heat Treatment

Heat Treatment

VEEYES Alloys (P) Ltd PLANT 1
Electric Furnace - 0.1T, 0.3T, 1T, 3T, 4T, 5T
Gas Fired Furnace - 5T, 10T
Water Auto Quenching facility up to 180 kilo litres

VEEYES Alloys (P) Ltd PLANT 2
Electric Furnace - 2T & 3T
Gas Fired Furnace - 3T, 5T, 8T, 10T
Water Auto Quenching facility up to 120 kilo litres

VEEYES Alloys (P) Ltd PLANT 5
Electric Furnace - 1T & 3T
Gas Fired Furnace - 5T, 3T
Water Quenching facility up to 67,000 litres





Arc Cutting



Gas Cutting



Swing Frame Grinding



Roto Fettle & Roto Fast Grinding



Shot Blasting



Acid Pickling



Passivation

Impact Testing

- ASTM E23
- ISO 148-1
- Testing temperature up to -196°C
- Lateral Expansion

UTM – Computerised Electronic Extensometer

- (Capacity 60 Ton 1 No, 40 Ton 2 No.) ASTM A370.
- Bend Test

Hardness Tester (Digitalized)

- Brinell Hardness Tester
- Rockwell Hardness tester
(Load: 100 Kgf & 150 Kgf – 1No, 10 kg load-1No)
- Vickers Hardness Tester
- VCI Hardness Tester

Sand Testing

- Permeability
- Sieve Analysis
- AFS Number
- Clay content
- Moisture content





Spectro Meter

Make : Thermo Scientific, Model: ARL 3460 OES,
Element: 35, Base: 4 (Fe, Ni, Cu, Co)

Corrosion Testing

ASTM G48 ASTM A262: ASTM G28,
ASTM A923 method 'C' ; ISO 3651-2

Metallography

- Inverted stage metallurgical microscope with digital CCO camera
- Image Analyser Software
- Microscope
- Radioactive Contamination Testing
- Demagnetisation Testing etc.

PMI (Positive Material Identification)

Make : Thermo Fisher Scientific & Hitachi
Model : XL2 980

Ferritoscope

Make : Fisher Scientific
Model : FMP 30

NDE Examination

Radiography

- In-house Radiography
2 units Source Co-60, Ir-192
- MPI Testing
- DP Testing
- Ultra Sonic Testing





CNC Machines

Universal 5 - Axis Machining Centre (7 Nos)

Trevisan DS 450 & DS 600

Trevisan DS 300

Horizontal Machining Centre (5 Nos)

Mazak & Doosan, Hwacheon & BFW

Pallet Size 500X500, 630X630 & 800X800 mm

Vertical Machining Centre (10 Nos)

Hwacheon, BFW & Doosan

Horizontal Turning Centre/Lathe (7 Nos)

Hwacheon, BFW & LMW

Vertical Turning Center (10 Nos)

HWACHEON, DOOSAN & BFW

Vertical Turning Lathe (3 Nos)

HONOR, Toshiba, NEWAY

Table Dia	2m	1.5m	1.25m	1m
Day/height	2m	1.5m	1.25m	1m

Special Purpose Machines

Grinding:

Internal Grinding - (3 Nos.)

Max. Ø 800mm Length – 900mm

Spherical Ball Grinding - (4 Nos.)

½" to 30" Size Ball Valve

Cylindrical Grinding - (1 No.)

Rotary Surface Grinding - (2 Nos.)

Honing:

Table Capacity – 800X800 (square table)

Travailing Length – 1000 mm

Software Availability

Design : SOLID WORKS

Simulation : SOLID CAM (Machine Simulation)





Conventional Machines

Spherical Ball Turning Lathe - (2 Nos.)

Maximal cyration diameter - 550mm

Swing over bed - 1600 mm.

Swing over carriage - 950mm.

Horizontal Lathe - (11 Nos.)

Max Turn Ø - 450

Max Turn length - 2000

Vertical Turning Lathe - (2 Nos.)

Max Turn Ø - 1500

Max Turn length - 1500

Horizontal Boring Machine- (1 No.)

V.Stroke length - 750

H.Stroke length - 1000

Radial Drilling Machine - (4 Nos.)

Max Drill Ø - 63

Hydro Testing Machine - (5 Nos.)

Capacity - 600 Ton

Psi - 9940



Coordinate Measuring and Monitoring Machine (C.M.M)

CARL ZEISS VAST XT CMM

X – 1200 mm, Y – 1800 mm & Z – 1000 mm,
VAST XT AKTIV

CARL ZEISS CNC 3D CMM

X – 1000 mm, Y – 1200 mm & Z – 600 mm,
VAST XT AKTIV.

FARO Arm Type 3 D Portable CMM – 1 No

Trimas - 2D Height Master - 4 Nos.



Welding Facility



Capability (Sand Casting)

* PED approved grades

MATERIALS SPECIFICATION	ASTM	EN 10213	EN NO	UNS	JIS
CARBON STEEL	A216 WCB*	GP 240GH*	1.0619	J03002	SCPH2
	A216 WCC*	GP280GH*	1.0625	J02503	-
	A352 LCB*	G20Mn5	1.6220	J03003	-
	A352 LCC*	G20Mn5*	1.6220	J02505	-
	A352 LC3	G9Ni14	1.5638	J31550	SCPL31
	IS 1030 Gr.23-45	-	-	-	-
	IS 1030 Gr.26-52	-	-	-	-
	IS 1040 Modified	-	-	-	-
MARTENSITIC STAINLESS STEEL	A352 CA6NM	-	-	J91540	-
LOW ALLOY STEEL	A217 WC6*	G17CrMo5-5*	1.7357	J12072	SCPH21
	A217 WC9*	G17CrMo9-10*	1.7359	J21890	SCPH32-CF
	A217 C5*	GX15CrMo5*	1.7365	J42045	-
	A217 CA15	-	-	J91150	-
	A217 C12*	-	-	J82090	-
	A217 C12A*	-	-	J84090	-
	A217 Gr.WC5	-	-	J22000	-
	A487 Gr.4C 60K	-	-	J13047	-
	A743 Gr.CA40	-	-	J91153	-
	A487 GR.1C	-	-	J13002	-
DUPLEX STAINLESS STEEL	A995 4A*	GX2CrNiMON22-5-3*	1.4470	J92205	-
	A995 5A*	GX2CrNiMON26-7-4*	1.4469	J93404	-
	A995 6A*	GX2CrNiMON25-7-3*	1.4417	J93380	-
PRECIPITATION STAINLESS STEEL	A747 Gr.CB7Cu-1 (H1150 DBL)	-	-	J92180	-
	A747 Gr.CB7Cu-1 (H1075)	-	-	J92180	G 5121 Gr SCS24
	A747MGr.CB7Cu-1 (H900)	-	-	J92180	-
STAINLESS STEEL	A351 CF3*	GX2CrNi 19-11*	1.4309	J92700	SCS19
	A351 CF3M*	GX2CrNiMo19-11-2*	1.4409	J92800	SCS16
	A351 CF8*	GX5CrNi 19-10*	1.4308	J92600	SCS13
	A351 CF8C*	GX5CrNiNb19-11*	1.4552	J92710	-
	A351 CF8M*	GX5CrNiMo 19-11-2*	1.4408	J92900	SCS14
	A351 CG8M	-	-	J93000	-
	A351 CK3MCuN*	-	-	J93254	-
	A351 CN7M*	-	-	N08007	SCS23
	A479 TYPE-321/ CF8-Ti	-	-	-	-
	A890 Gr.CD4MCuN	-	-	J93372	-
NICKEL BASED ALLOY STEEL	A494 N-12MV	-	-	N30012	-
	A494 CW-12MW	-	-	N30002	-
	A494 M35-1*	-	-	N24135	-
	A494 CW-6MC*	-	-	N26625	-
	A494 CU5MCu*	-	-	N08826	-
	A494 Gr.M25S	-	-	N24025	-
	A494 Gr.CY-40*	-	-	N06040	-
	A494 Gr.M30H	-	-	N24030	-
	A494 Gr.M30C	-	-	N24130	-
	A 494 Gr CW2M	-	-	N26455	-

Raw Products



Gate Valve Body



Globe Valve Body



Check Valve Body



Ball Valve Body (RSBV)



Ball Valve Body RSBV



Plug Valve Body



Sewing Check Valve Body



TOV BFV Body



Safety Relief Valve Asy



Pressure Relief Valve Body



Control Valve Body



TMBV Ball

Machined Products



Ball Valve Adaptor



Ball Valve Adapter



Butterfly Valve Body



Check Valve Body



Double Plug Valve Body



Plug valve Body



Pressure Regulator



Safety Relief Valve Body



SRV Body



TMBV Body



Top Entry Ball Valve Body



SRV Bonnet

Trims



Gate Valve Disc



Plug & Stem Assembly



Ball Valve Ball



Plug



TOV Disc



SRV Nozzle



Seat Ring



Plug for Control Valve



Cage Window



Cage Drilled



Diffuser

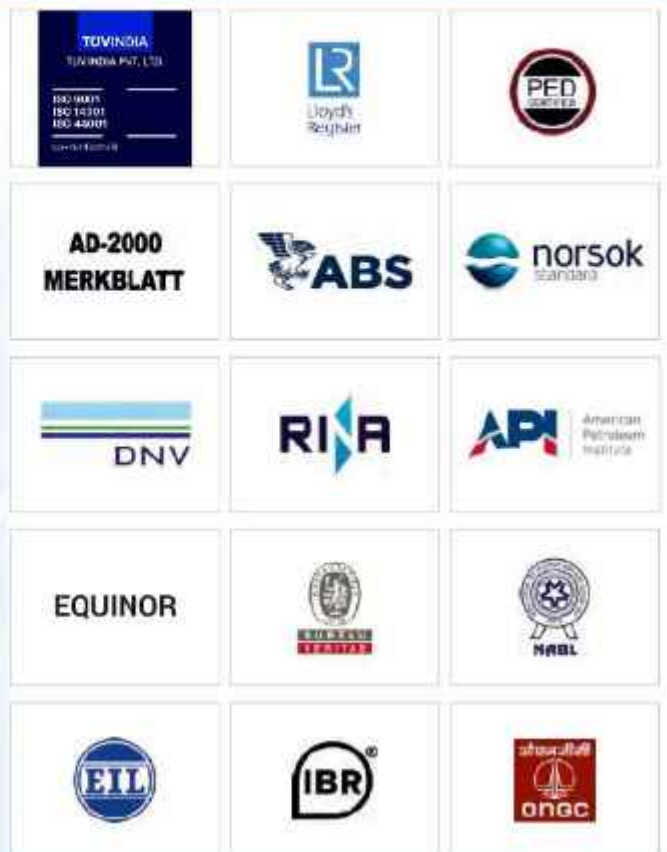


Plug, Cage & Seat Ring Assembly

Awards & Achievements



Certifications



Key Projects

Approvals of engineering consultants for various projects

- » Doosan
- » L&T
- » Alstom
- » PDO Oman
- » Petrofac
- » HISAKADO
- » JGC
- » PT-Rekayas
- » Toshiba
- » Mitsubishi

End Users

- » Reliance
- » ExxonMobil
- » encana
- » NTPC
- » Shell
- » ONGC

A Place for Engineering Possibilities

Renewable Energy

Solar Energy

5MW Solar Power

RoofTop Solar - 178.2KW

Windmill Energy

Two Units with each 1650 KW

800 KW



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Keeranatham Village, Post,
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LinkedIn



YouTube

VeeYes Alloys (P) Ltd Plant – 1

(CIN: U27101TZ1990PTC002809)
SF NO:518 / 1A&1B
Saravanampatty Thudiyalur Road
Vellakinarpatti PO, Coimbatore-641029.

VeeYes Alloys (P) Ltd Plant – 2

SF.No.302/1&4,
Kadathur Pirivu, Kunnathur Village & PO
Coimbatore-641107.

VeeYes Alloys (P) Ltd Plant – 3

S.F.No.489/5,490/1 & 490/3,
kondayampalayam road,
keeranatham village (po)
coimbatore-641035

VeeYes Alloys (P) Ltd Plant – 4

No.7/38 5 & 6, ATHIPALAYAM ROAD,
chinnavedampatti post,
coimbatore-641049.

VeeYes Alloys (P) Ltd Plant – 5

463/A, Kallipalyam Chikarampalayam
Village Post, Karamadai,
Coimbatore – 641 104

VeeYes Alloys (P) Ltd Plant – 6

SF.NO: 69/3E, D.NO:69/3-2 & 69/3-3,
athipalyam road, chinnavedampatti,
coimbatore-641049.

