



# CHAMP INSTRUMENTS & ENGINEERS

An  
ISO 9001  
Company

MFG. OF INSTRUMENT TUBE FITTINGS/VALVES/HIGH PRESSURE PIPE FITTINGS IN BRASS,  
S.S., C.S. & A.S. SPECIALIST IN COPPER & STAINLESS STEEL TUBES

B3, Shyam Sadan, R. R. Roy Road, Next to Girgaon Church, Charni Road (E), Mumbai 400 004.  
Telefax: 2387 0078 / 2388 0355 / 2385 6660 E-mail: sales\_champ@rediffmail.com Website: www.champinstruments.com

Date :

**Sub : Request For Enlistment as Manufacturers & Suppliers of  
Instrumentation Hardware Materials for Process Industries.**

Dear sir,

With Immense Pleasure, We Take This Opportunity to Introduce Ourselves as Leading Manufacturers & Suppliers of 'CHAMP' Brand Instrumentation Valves, Tube Fittings & Pipe-Fittings. These Piping Products are Manufactured by Us at Our Factory under strict Quality control and Skilled Supervision in Accordance with the Relevant International Standards; ASTM, ASA, BS, DIN, JIS in various materials of constructions : SS 304, 304L, 316, 316L, Brass, Forged Alloy Steel, Stainless steel, Carbon steel ASTM A105/182, BSS 218/249, AS F22/F11.

We have been a regular supplier of above products to various industries all over the country for more than 3½ decades. We have been regularly dealing with Reliance Industries, Toyo Engineering India Ltd., Aker Solution, Thyssenkrupp india Pvt Ltd., Jacobs Engineering India Pvt Ltd., Emerson Process Management, Honeywell Automation India Limited., Thermax Limited, Mott Macdonald., TCE Consulting Engineers Ltd., Fichtner Consulting Engineers (I) Pvt Ltd., Development Consultants Pvt Ltd., ISGEC, BGR Energy Systems Ltd., Schneider, Burns & McDonnell India Ltd., Technimont ICB Pvt. Ltd., HPCL, IOCL, TATA Power, RCF & ONGC. Also Inspection carried out by Third Party Inspection Agency such as Bureau Veritas., SGS, DNV, TUV & PDIL. We are happy to send herewith the company Profile along with the catalogue of our products, for your kind Perusal.

We Now Request Your Good Self to Register our name in the List of your Suppliers of Instrumentation Valves, Tube Fittings, Pipe Fittings, & All sort of Tubing like Copper Bare / PVC, Stainless Steel, Carbon Steel & ERW, Seamless Pipe, Galvanize Iron, Stainless Steel. Carbon Steel & Copper and Favour us With your Valued Enquiries, Which Will Receive Our prompt attention. However, In case you desire any clarification we will be greatly willing to do so.

Thanking you and looking forward to have a mutual beneficial association with your esteemed Organization.

Yours faithfully,  
FOR CHAMP INSTRUMENTS & ENGINEERS

HITEN PARIKH  
PARTNER

Encl.: 1) Catalogue



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## COMPANY PROFILE

1. Name of The Company : M/S. CHAMP INSTRUMENTS & ENGINEERS
2. Scope : Manufacture Of Instrumentation Hardware  
Material Tube-fitting, Pipe-fitting, All sorts  
Of Needle Valve, Globe Valve, Gate Valve,  
Manifold Valve, Ball Valve, Flanges, Air  
Distributors (Header), Condensate Pot &  
Supply of Copper & Stainless Steel Tubes  
And Accessories & IBR Certified Materials.
3. Head Office Address : G/16, Rushabh Apartment, Near Girgaon court,  
Girgaon, Grant road (E), Mumbai - 400004
4. Contact no. : 2387 0078 / 2388 0355 / 2385 6660
5. Factory Address : RPA Society Compound, Unit No.12, M.S.A.  
Marg, Byculla (W), Mumbai – 400011  
: Laxmi Industrial Estate, Unit No.22/B,  
S.N.Path, Lower Parel, Mumbai – 400013
6. Contact No. : Mr. Mehul Kadakia – 9820336266  
Mr. Hiten Parikh - 9323212770
7. Year Of Establishment : 1986
8. Contact Persons : Mr. Hiten Parikh (Partner)  
Mr. Mehul Kadakia (Partner)  
Mr. Hirendra Dave (Sr. Eng / MR)
9. Manufacturing Standards : ASTM, ANSI, ASME, BS, IS, JIS & DIN
10. Group Of Companies : M/S. Avon Piping Instruments  
M/S. Prizm International

**For Champ Instruments & Engineers**

**Mr. Hiten Parikh**  
(Partner)





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## CLIENT NAME

1. Associated Cement Co. Ltd., Mumbai (ACC) / Ambuja Cement
2. Binani Zinc Ltd., Kerala
3. Bombay Dyeing & Mfg. Co. Ltd., Mumbai
4. Chambal Fertilizers & Chemical Ltd.
5. Mott Macdonald, Mumbai
6. Goa Glass Fibre
7. Hindustan Petroleum Corporation Limited (HPCL)
8. Indian Oil Corporation (IOCL)
9. Jindal Strips Ltd., Delhi
10. Larsen & Toubro Ltd. (L&T)
11. Rashtriya Chemicals & Fertilizers Limited (RCF)  
(THAL UNIT)
12. Reliance Industries Ltd.
13. Siemens Ltd.
14. Technimont ICB Pvt. Ltd
15. Toyo Engineering India Ltd. (TEC)
16. Tata Power Ltd.
17. I.G. Petrochemicals Ltd.
18. Kesar Petroproducts Ltd.
19. Supreme Petrochem Ltd.
20. Godrej Industries Ltd.
21. Matix Fertilizers & Chemicals Ltd.
22. Nirma Ltd.
23. BGR Energy Systems Ltd.
24. Nocil India Ltd.
25. Supertech Instrumentation Services (I) Pvt. Ltd.



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## Client Of Power Sectors

| POWER SECTORS                                                                                              | MW      | CONSULTANT                                 |
|------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------|
| Associated Cement Co. Ltd. (Captive Power)<br>Jamul, Kymore, Wadi, Chaibasa, Galal,<br>Madukkarai, Tikaria | 25 x 2  | TCE Consulting Engg. Ltd.                  |
| Cairn Energy                                                                                               | 200     | Toyo (Teil)                                |
| Essar (Vadinar Power)                                                                                      |         | Direct                                     |
| Jojobera Power Plant, Jamshedpur                                                                           | 210 x 2 | Fitchner Consulting                        |
| Jharkhand State Electricity Board (JSEB)                                                                   | 50 x 2  | Ntpc-Alstom Power                          |
| Jojobera (Jamshedpur) Power Plant                                                                          | 210 x 2 | (Bhel) TCE                                 |
| Kalpataru Power Transmission                                                                               | 15 x 2  | Fitchner Consultant                        |
| Lanco Kondapalli, Vijaywada                                                                                | 128     | Tata Power                                 |
| Neyveli Thermal Power, Tamilnadu                                                                           | 210 x 2 | Tata Project / Direct                      |
| Reliance Hazira                                                                                            | 25      | Development Consultant Pvt. Ltd.           |
| Regency Power                                                                                              | 210     | Alstom Project                             |
| Shree Cement (Captive Power), Beawar                                                                       | 50 x 2  | Development Consultant Pvt. Ltd.           |
| Tata Power Co. Ltd. Trombay                                                                                | 500     | TCE Consulting Engg. Ltd.                  |
| Tamilnadu State Electricity Board (TNEB)                                                                   | 210 x 3 | TCE Consulting Engg. Ltd.                  |
| Rashtriya Chemical Fertilizers                                                                             | 110     | PDIL                                       |
| Bataan, Philippines                                                                                        | 75      | Thermax                                    |
| Gujarat Siddhi Cement                                                                                      | 25      | Fichtner Consulting Engineers (I) pvt. ltd |
| MWV, Vapi                                                                                                  | 36      | Thermax                                    |
| Rain Cement                                                                                                | 48      | Development Consultant Pvt. Ltd.           |
| Wonder Cement                                                                                              | 30      | Holtech                                    |



## **TESTING FACILITIES**

### **IN-HOUSE TESTING FACILITIES**

- 1 Compressor For Air Pressure Testing Upto 185 Psi - 3 Nos.
2. Automatic Hydraulic Pump 3000 Psi (210 Kg/Sq.cm) - 1 No. (booster Pump)
3. Manual Hydraulic Pump 8000 Psi. (550 Kg/Sq.cm) - 2 No.
4. Hydro Test Rig
  - A) Hydro Static Pressure (5000 Psi) 350 Kg/Sq.cm.
  - B) Pressure Cycle (Impulse) Of 0-3000-0 Psi At Variable Time Cycle  
At 30-40 Cycle Per Minute
  - C) Vibration (Frequency : 23 - 47 Hz (1400-2800 Cycles Per Minute) Of  
Amplitude 3mm - 5 Mm Under Constant Pressure Or With Impulse

### **REPETATIVE TESTS FOR FITTINGS & VALVES**

- A) Re-assemble & Disassemble Test For Tube Fittings.
- B) Open & Close Test For Valves.

### **EXTERNAL TESTING FACILITIES & SERVICES**

#### **1. DESTRUCTIVE TESTING**

##### **A) CHEMICAL TESTING**

##### **B) PHYSICAL TESTING**

1. Hardness Test (Rockwell, Brinnel, Vickers)
2. Tensile Test
3. Bending Test
4. Flaring
5. Micro Test
6. Igc Corrosion Resistant

#### **2. NON DESTRUCTIVE TESTING**

- A) Ultrasonic Test
- B) Radiographic Test
- C) Ball & Bubble Test For Tubing

#### **3. WE CAN PROVIDE IBR CERTIFIED MATERIAL / NACE MATERIAL / WPS-PQR MATERIAL**





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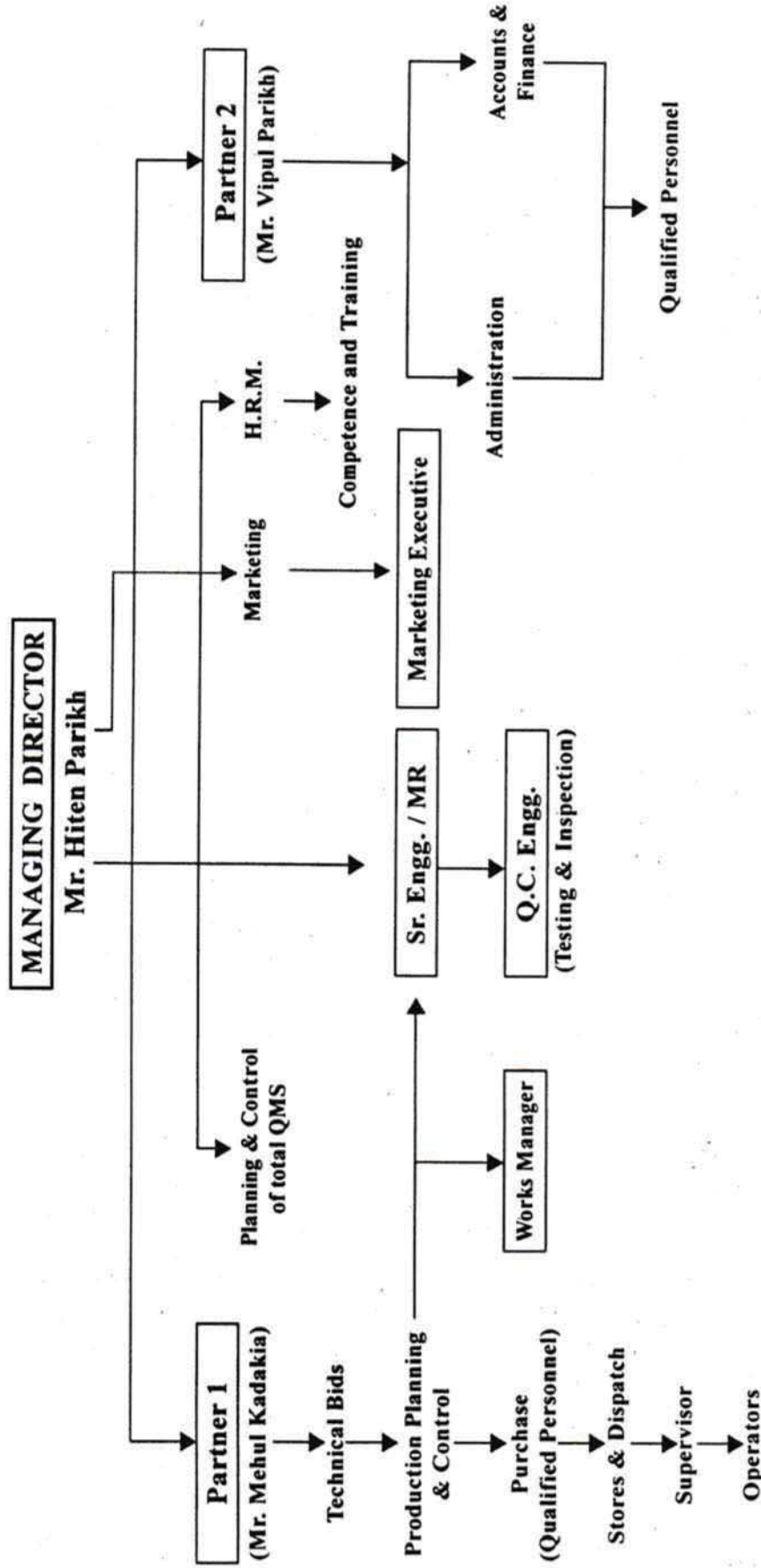
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## ORGANISATION CHART





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## LIST OF MACHINERIES & INSPECTION FACILITIES

### List Of Measuring Instruments

|                                | <u>Range</u>  | <u>MAKE</u> |
|--------------------------------|---------------|-------------|
| 1. Vernier Calipers            | (0 - 200mm)   | Mitutoyo    |
| 2. Dial Calipers               | (0 - 200 mm)  | Mitutoyo    |
| 3. Digital Calipers            | (0 - 150 mm)  | Mitutoyo    |
| 4. Micrometer (Metric)         | (0 - 25 mm)   | Mitutoyo    |
| 5. Micrometer (Inch)           | (0 - 1")      | Mitutoyo    |
| 6. Plain Id Gauge (Go & No Go) | (1/4" - 1/2") | Speco       |
| 7. NPT Plug Gauge (Step Limit) | (1/4" - 1")   | Hip         |
| 8. NPT Ring Gauge (Step Limit) | (1/4" - 1")   | Hip         |
| 9. Radius Gauge/Degree Gauge   | (0 to 180°)   | Kristeel    |

### LIST OF MACHINERIES & EQUIPMENTS

|                                                                 | <u>MAKE</u> | <u>QTY</u> |
|-----------------------------------------------------------------|-------------|------------|
| 1. Cnc Maximum 140 MM OD Capacity & 275 Mm Length               | PMT Machine | 2 No.      |
| 2. Capston Lathe (Turret) 1 1/2" Capacity                       | Sewmac      | 1 No.      |
| 3. Lathe (Flame Harden, Bed)<br>Size: 42 Mm Dia - 36 Mm Hex     | R.d.        | 7 Nos.     |
| 4. Lathe (Flame, Harden, Bed)<br>With Taper Turning Arrangement | R.d.        | 1 No.      |
| 5. Lathe Norton Gear Heavy Duty                                 | Diamond     | 1 No.      |
| 6. Shaping Machine (Capacity 18")                               | SONI        | 1 No.      |
| 7. Hacksaw Cutting Upto 7" Hex                                  | Jaswant     | 1 No.      |
| 8. Drill Machine Size: 1" With Tapping<br>Attachment 3/4" Size  | Prabhat     | 1 No.      |
| 9. Marking Machine                                              | Bradma      | 1 No.      |
| 10. Buff/Polish Cleaning Equipment                              |             | 1 No.      |
| 11. Ultrasonic Cleaning Machine                                 |             | 1 No.      |
| 12.                                                             | Imported    | 1 No.      |
| 13. CNC Marking Machine                                         | Tecnomec    | 1 No.      |
| 14. Milling Machine                                             |             | 1 No.      |





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## CHAMP INSTRUMENTS & ENGINEERS QUALITY ASSURANCE PLAN

| SR. NO. | COMPONENT & OPERATION                                                                                                                                         | CHARACTERISTIC                                                                     | CLASS | TYPE OF CHECK | QUANTUM OF CHECK | REFERENCE DOCUMENT      | ACCEPTANCE NORM                                                   | RECORD FORMAT | ACTIVITY |     |     |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------|---------------|------------------|-------------------------|-------------------------------------------------------------------|---------------|----------|-----|-----|
|         |                                                                                                                                                               |                                                                                    |       |               |                  |                         |                                                                   |               | P        | V   | W   |
| A       | <u>MATERIAL:</u><br>Tube Fittings, Pipe Fittings, All sort of Instrumentation & Mechanical Valves, Air Header, Condensate Pot, Flanges Tubes (Copper, & S.S.) | Visual Defects                                                                     | Major | Visual        | Full Lot         | As Per Spec.            | No Defects                                                        | I.I.R.        | C        | ... | ... |
|         |                                                                                                                                                               | Surface Cracks                                                                     | Major | Material Test | Random/ Lot      | As Per Spec./Std.       | As Per Spec./Std.-Matl. BS 218/249.                               | T.C.          | L        | C   | ... |
|         |                                                                                                                                                               | Surface Finish                                                                     | Major | Mech. Test    | Random           | — Do —                  | A 105/182/276/106/269 B 68/75/2871                                | T.C.          | L        | C   | ... |
|         |                                                                                                                                                               | Chemical Composition                                                               | Major |               | Testing          |                         |                                                                   |               |          |     |     |
| B       | <u>PROCESS INSPECTION:</u><br>All Components                                                                                                                  | Mechanical Properties                                                              | Major |               |                  |                         |                                                                   |               |          |     |     |
| C       | <u>FINISHING PROCESSES:</u><br>All Components                                                                                                                 | Dimensional, Visual & Threading Check                                              | Major | Measure-ment  | 100%             | As per Mfg. Drg         | As per Std. - Dimension ASME B 16.5, 16.11 BS 5351/5352, Swagelok | I.I.R.        | C        | ... | ... |
|         |                                                                                                                                                               | Ultrasonic Cleaning, Buffing, Polishing, Electrolytic Polishing, Pickling, Plating | Major | Visual        | 100%             | As per Spec.            | As Per Spec.                                                      | P.R.          | C        | ... | ... |
| D       | <u>ASSEMBLY INSPECTION / TESTING:</u><br>All Components                                                                                                       | Final Dimensional Insp.                                                            | Major | Measure-ment  | 100%             | As per Drg.             | As per Std. - Dimension ASME B 16.5, 16.11 BS 5351/5352, Swagelok | F.I.R.        | C        | ... | ... |
|         |                                                                                                                                                               | Smooth Opening and Closing of Valves                                               | Major | Manual        | 100%             | As per Drg.             | Smooth in Operation                                               | Test Report   | C        | ... | ... |
|         |                                                                                                                                                               | Pneumatic Test (200Psi)                                                            | Major | Air Test      | 100%             | As per Spec.            |                                                                   | Test Report   | C        | ... | T   |
|         |                                                                                                                                                               | Hydrostatic Pressure Test 3000psi                                                  | Major | Hydro Test    | 100%             | As per Spec.            |                                                                   | Test Report   | C        | ... | T   |
|         |                                                                                                                                                               |                                                                                    | Major |               | 100%             | As per Spec.            | — Do —                                                            | Test Report   | C        | ... | T   |
|         |                                                                                                                                                               |                                                                                    | Major |               | On Request       | As per Spec.            | — Do —                                                            | Test Report   | C        | ... | T   |
| E       | <u>PACKING:</u><br>All Components                                                                                                                             | Identification Stamping                                                            | Major | Visual        | 100%             | As per Company Practice | As Per Spec.                                                      | G.T.C.        | C        | ... | ... |
|         |                                                                                                                                                               | Thread protection cap Application of Antritrust agent (For CS) & Packing           | Major | Visual        | 100%             | — Do —                  | As Per Spec.                                                      | G.T.C.        | C        | ... | ... |

**NOTE:** P : Performed By  
V : Verified By  
W : Witness By

C : Champ Instruments & Engineers  
T : Third Party Inspection  
L : Laboratory  
G.T.C. : Guarantee cum Test Certificate

I.I.R. : Internal Inspection Report  
F.I.R. : Final Inspection Report  
T.C. : Test Certificate  
P.R. : Plating Report