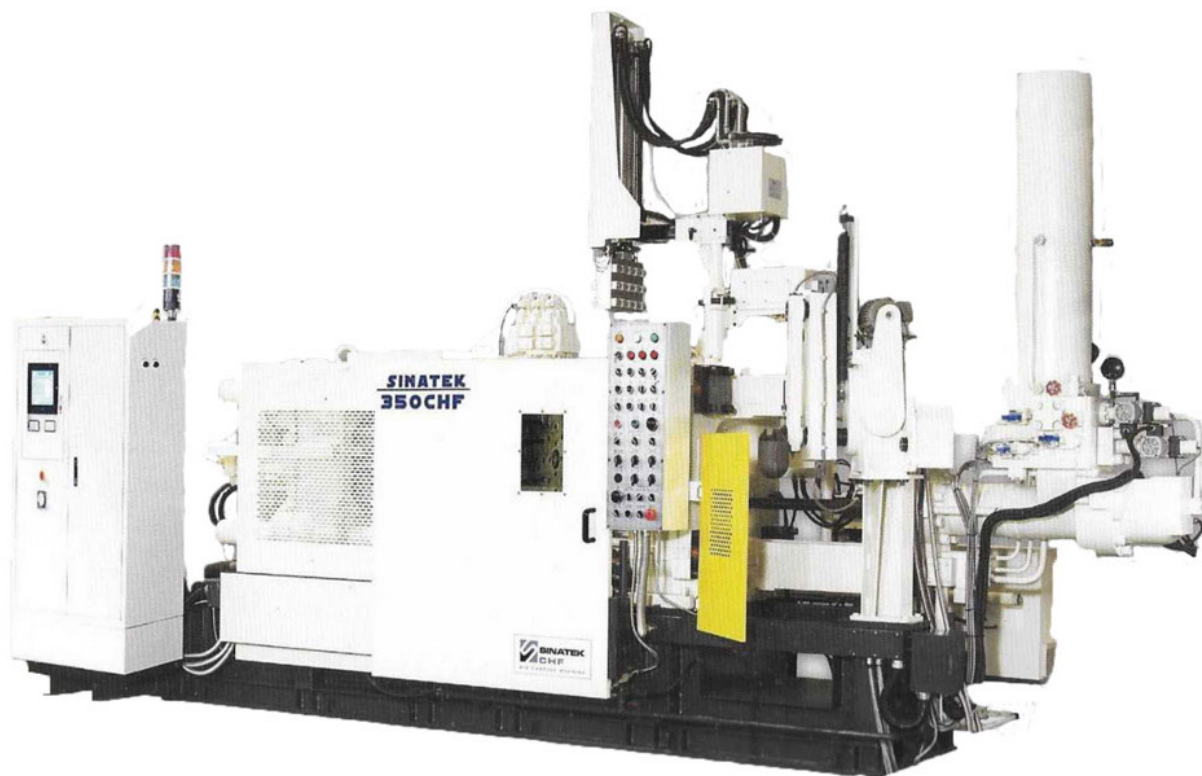


DEMO
CASTERS

&

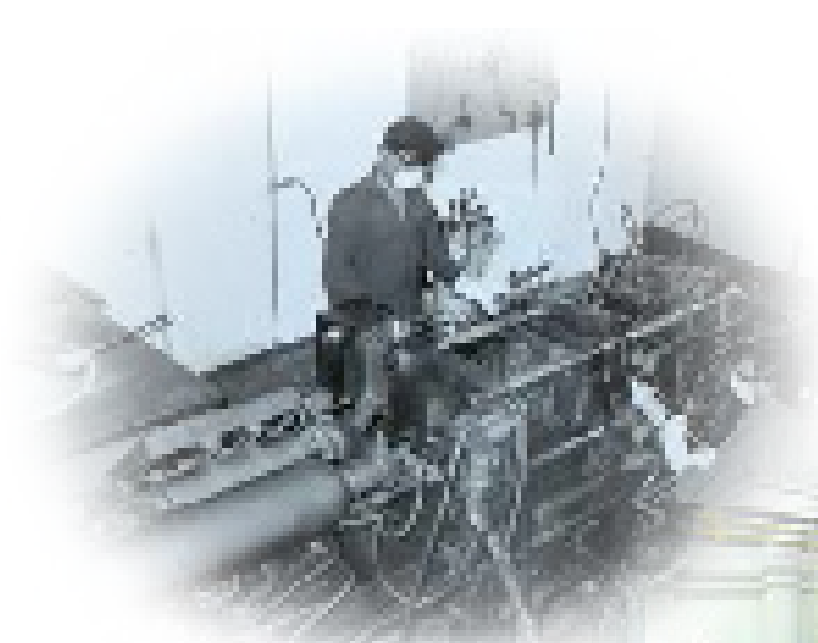
efa
Industrial Parts & Equipment

High quality
Die-cast aluminum and zinc




High quality Die-cast aluminum and zinc

Über uns




With three generations of experience in the foundry business, we can safely say that we know our way around die casting.

We offer very high quality, accuracy and precision.



We manufacture everything ourselves in our production facility. Tools, casting molds, fixtures, pretensioning devices and die-cast parts, empties, test mandrels and much more.



We produce alloys that are precisely tailored to your requirements.

We provide a wide range of services.

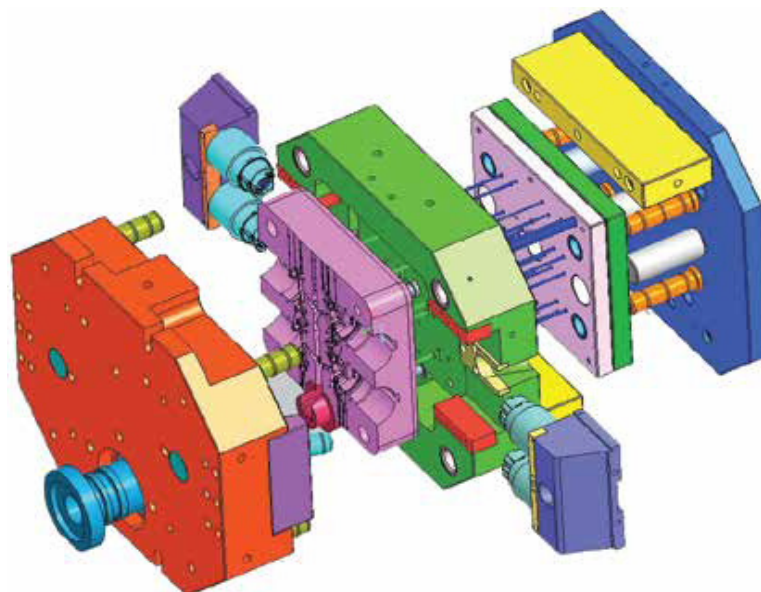
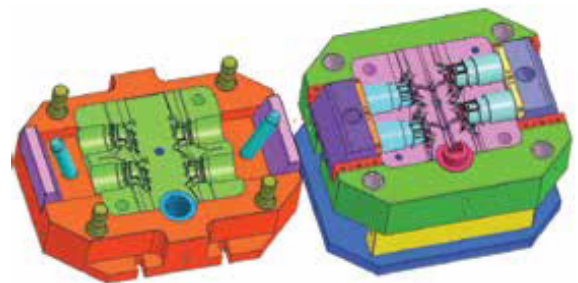
High quality Die-cast aluminum and zinc

Design

Demo Casters has its own design department that deals with all customer requirements. This includes product part drawings, tool designs, 2D and 3D modeling, assembly drawings, drafts and prototypes.

If required, reverse engineering, finite element methods and structural analyses are provided.

Mold flow analyses and thermal scans of tools can be provided on request. Using the latest industry standard 2D and 3D software, we can optimize your product design through small changes or reduce production costs through weight reduction.



High quality Die-cast aluminum and zinc

Mould Manufacturing

Demo Casters Has a team of outstanding Tool Makers, Machinists and Fitters, in its Tool Room, which undertakes the manufacture of all the Die Casting Mould, required by its customers for production of castings. It also manufactures all the trimming tools, machining fixtures, special purpose jigs and fixtures to aid in the smooth and effective manufacture of world class components for its customers.

We use some of the most sophisticated and New Age machinery in our Tool Manufacture. These include, Makino and Haas CNC Machining Centres, Mitsubishi and Makino Wire Cut Machines, Agie Charmilles, Makino and Chmer Isocut and Roboform EDM Machines, Okomoto and Chevalier Surface Grinders, Praga Cylindrical Grinders and a host of other ultra modern and precision machineries.

We also take the aid of optical measurements by CMM for critical dimensions and precision mould making.

We take great pride in the fact that we build Precision Tools with the Best Available Materials, which surpass not only our guaranteed tool life, but most importantly, the customers' expectations, by leaps and Bounds.



High quality Die-cast aluminum and zinc

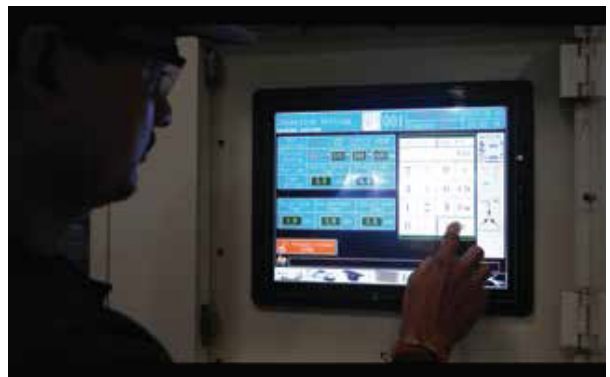
Die Casting

Demo Casters Is equipped with Die Casting machines ranging from 80 Tonne Locking Force to 400 Tonne locking force. Apart from this we also have a strategic tie up for casting on 600 and 800 Ton machines. Our Battery of Machines includes, 80 Ton, 120 Ton, 150/180 Ton and 350/400 Ton machines, as well as 600 Ton and 800 Ton machines. The machines are from some of the best machine manufacturers from Switzerland, Germany, Japan and Taiwan.

Our capabilities of casting are for parts ranging from 2.6 grams upto 5.5 Kgs, cast part weights.

All the machines are PLC controlled with many cutting edge features like, opening and closing dampening valves, which protect the tools from damage due to jerks and shocks, TFI (Turbulence Free Injection) systems or Parashot, which eliminated any kind of turbulence, air pick up or jerking in the injection stage of molten metal, which results in better, porosity free castings with enhanced surface and mechanical properties. Also the machines have a capability of storing over 300-500 preset die settings for each product to enable fool proofing.

We also have fully automatic robotic machines which are unmanned right from the metal loading into the furnace by trolley, to auto inject and die spray, followed by auto extract by robot and up to final casting delivered via conveyor.



High quality Die-cast aluminum and zinc

Die Casting

Electrical and HSD Fuel Fired furnaces are used for melting and holding the alloy. These are world class equipments with temperature variations of as less as 1 degree. The furnaces are thyristor controlled and are extremely energy efficient. Only Silicon Carbide crucibles are used in the furnaces , so that no contamination or iron pick up occurs in the molten bath.

Special lubricants and water based release agents (polymer film type) are used by us to enhance surface finish and aid in smooth and clean casting processes. Also special high grade fluxes are used for dross removal and cleaning the molten baths to give us the best possible final metal specifications



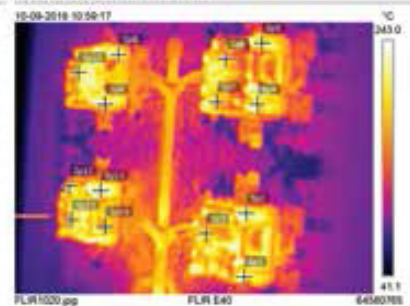
DEMO CASTERS PVT LTD
Temperature taken with Regular gun

CA 2780 CD-2, Ratio 1:100

| Measurements | °C |
|--------------|-------|
| Sp1 | 241.5 |
| Sp2 | 233.4 |
| Sp3 | 218.2 |
| Sp4 | 228.8 |
| Sp5 | 218.1 |
| Sp6 | 194.7 |
| Sp7 | 194.1 |
| Sp8 | 228.3 |
| Sp9 | 218.2 |
| Sp10 | 204.5 |
| Sp11 | 245.4 |
| Sp12 | 231.3 |
| Sp13 | 191.4 |
| Sp14 | 191.3 |

Parameters
Emissivity 0.95
Ref. temp. 20 °C

Note
MOVING DIE BEFORE SPRAY 2318
CD-2



High quality Die-cast aluminum and zinc

TRIMMING

The castings are trimmed on conventional and hydraulic presses. For special We have specially manufactured presses with ejection via bottom cylinders. Our presses are equipped with safety devices such as two-hand control or light barriers. Compressed air blowers, which are triggered by foot switches, are available for cleaning chips and cuttings.



MASCHINEN

We carry out all types of prefabrication such as drilling, thread cutting, reaming, polishing, diamond turning, thread chasing, taper drilling or groove cutting. The machining processes with conventional, CNC or SPM machines as well as with high-precision lathes from Schaublin lathes from Schaublin, Metzger or other renowned manufacturers.



VIBROFINISHING

We use machines from Walther Trowal for high-quality vibratory finishing and drying, as well as the fully automatic system from Acton Finishing. Through the use of different grades of deburring and polishing media made from ceramic, plastic or non-toxic composite materials, we produce top-quality surfaces. All systems are automated and have time control for precise processes.



High quality Die-cast aluminum and zinc

Powder coating

Among other things, Demo Casters has a state-of-the-art powder coating system from Wagner with PLC-controlled spray guns. A specially tailored, fully automatic pre-treatment system in conjunction with the 9-tank process produces one of the most robust powder-coated surfaces in the industry. A comprehensive testing facility is available in our laboratory to test and inspect the powder-coated parts in accordance with the ASTM standard.



Finishing

We offer a wide range of surface treatments and coating options from zinc passivation, zinc plating, nickel chrome plating, nickel satinizing, CMD/KTL coating, anodizing and painting to any other type of surface treatment requested by the customer.



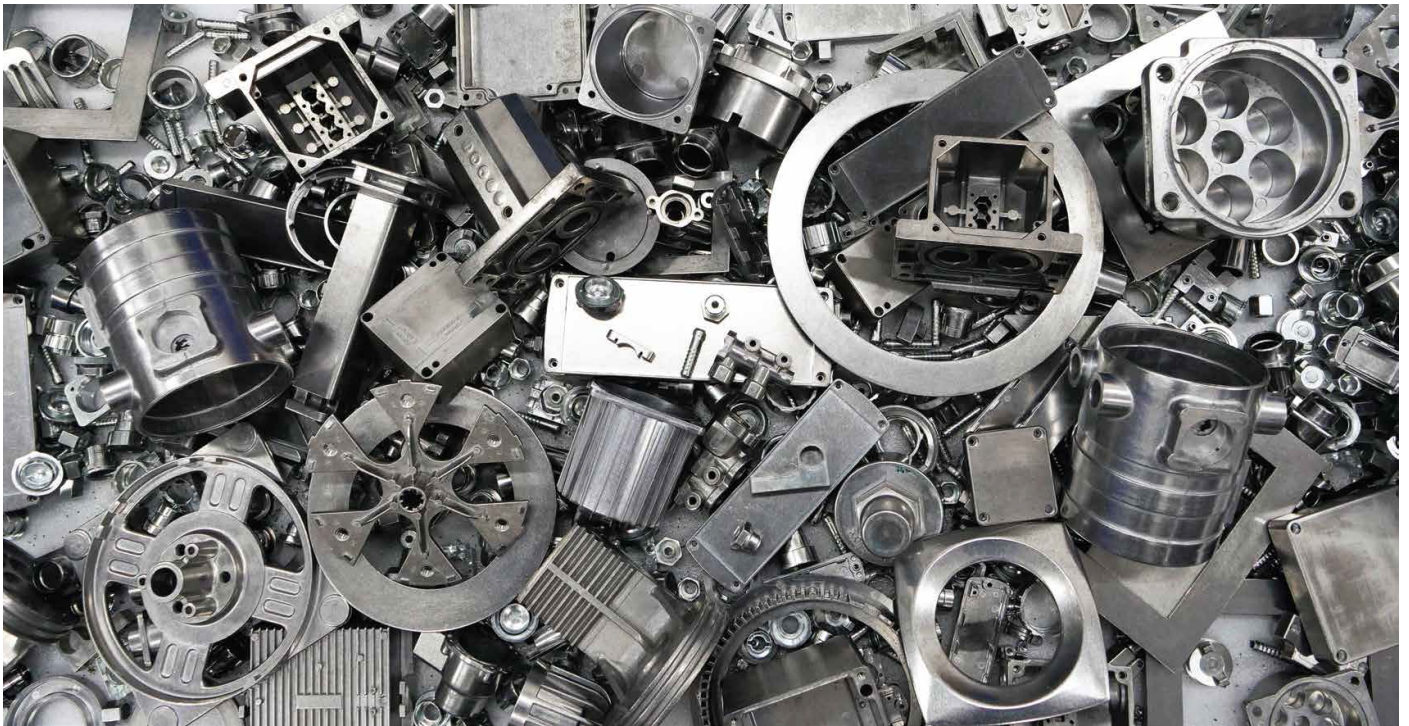
Assembling

We also undertake special installations for our customers. Special tests such as mechanical load tests or roughness measurements of the surfaces can also be carried out by us.



High quality Die-cast aluminum and zinc

Produkte



High quality Die-cast aluminum and zinc

Enclosures

High-strength IP68 aluminum housing



High quality Die-cast aluminum and zinc

Quality

A dedicated team, comprising of a number of trained quality engineers, makes sure that all the required quality needs of the customer are taken care of, by way of dimensional checks, surface finish, machined accuracy, drilled and tapped dimensional checks, RA value checks, regular in process gauging and dimensional checks, supported by Cp & CpK inspection methodology .



We further undertake the manufacture of special purpose gauges for the various stages of production activity so that quality can be maintained even at the grass root level of the worker. Checking by way of Optical measurement devices like CMM or Trimoss are also undertaken by us for high accuracies and difficult measuring surfaces.



We have a fully equipped and ultra modern Test Laboratory and facility for testing the powder coated parts as per ASTM standards. This in house lab regulates and assists our production team to get some industry leading quality for our powder coated parts.

We follow and comply with the Quality Management System as per DIN EN ISO 9001:2015, Environmental Management System DIN EN ISO 14001:2015 and Occupational Health and Safety Management System BS OHSAS 18001:2007.



High quality Die-cast aluminum and zinc Certification

ISO 9001:2015 Quality Management System

Certificate Of Registration

Geotek Global Certification Pvt. Ltd.

hereby certify that the organization

Demo Casters Pvt. Ltd.

Unit 1 : D10, Ansa Industrial Estate, Sakivihar Road, Chandivali, Andheri (E), Mumbai 400072, Maharashtra, India
Unit 2 : Shed No. 4, Nanda Ind. Estate, Shivshankar Road, Plot No.1/3, Survey No.32, Sagpada, Village - Devdhal Gaon, Kaman Bhiwandi Road, Palghar 401202, Maharashtra, India

has implemented and maintains a **Quality Management System** for

Scope :

Manufacture and Supply of Enclosures and Aluminium & Zinc Alloy Pressure Die Castings

An audit was performed and proof has been furnished that the management system fulfils the requirements of international standard detailed below ...

Standard : ISO 9001:2015
Certificate No. : 13.GGCS.IN.09231
Certification Date : 10th September 2007
Re-certification Date : 26th March 2020
Cert. Expiry Date : 25th March 2023



Reg. No. IN/QMS22/0511



K. Mehmood

Chief Executive Officer
Geotek Global Certification Pvt. Ltd.
102, Raj Legacy, Near Bramhand Phase 5, Off. GB Road,
Thane (West), Pin 400607, Maharashtra, India

Geotek Global Certification Pvt. Ltd. is accredited by International Management Accreditation Board (Singapore)
51, Goldhill Plaza, #07-10/11, Singapore 308900

The continual validity of the certificate is conditional to compliance with the terms and the conditions of Geotek Global Certification Pvt. Ltd. - Certification Scheme Regulation. Validity of the certificate may be verified on following websites : www.geotek.co.in and accreditation body's website : www.imab.com

High quality Die-cast aluminum and zinc Certification

BS ISO 45001:2018 Occupational Health And Safety Management System

Certificate Of Registration

Geotek Global Certification Pvt. Ltd.

hereby certify that the organization

Demo Casters Pvt. Ltd.

Unit 1 : D10, Ansa Industrial Estate, Sakivihar Road, Chandivali, Andheri (E), Mumbai 400072, Maharashtra, India
Unit 2 : Shed No. 4, Nanda Ind. Estate, Shivshankar Road, Plot No.1/3, Survey No.32, Sagpada, Village - Devdhal Gaon, Kaman Bhiwandi Road, Palghar 401202, Maharashtra, India

has implemented and maintains an **Occupational Health And Safety Management System** for

Scope :

Manufacture and Supply of Enclosures and Aluminium & Zinc Alloy Pressure Die Castings

An audit was performed and proof has been furnished that the management system fulfils the requirements of international standard detailed below ...

Standard : BS ISO 45001:2018
Certificate No. : 16.GGCS.IN.45072
Certification Date : 30th March 2017
Re-certification Date : 26th March 2020
Cert. Expiry Date : 25th March 2023



Reg. No. IN/OHSMS16/0524

Mehum

Chief Executive Officer
Geotek Global Certification Pvt. Ltd.
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Thane (West), Pin 400607, Maharashtra, India

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High quality Die-cast aluminum and zinc Certification

ISO 14001:2015 Environmental Management System

Certificate Of Registration

Geotek Global Certification Pvt. Ltd.

hereby certify that the organization

Demo Casters Pvt. Ltd.

- Unit 1 : D10, Ansa Industrial Estate, Sakivihar Road, Chandivali, Andheri (E), Mumbai 400072, Maharashtra, India
- Unit 2 : Shed No. 4, Nanda Ind. Estate, Shivshankar Road, Plot No.1/3, Survey No.32, Sagpada, Village - Devdhal Gaon, Kaman Bhiwandi Road, Palghar 401202, Maharashtra, India

has implemented and maintains an **Environmental Management System** for

Scope :

Manufacture and Supply of Enclosures and Aluminium & Zinc Alloy Pressure Die Castings

An audit was performed and proof has been furnished that the management system fulfils the requirements of international standard detailed below ...

Standard : ISO 14001:2015
Certificate No. : 16.GGCS.IN.14090
Certification Date : 30th March 2017
Re-certification Date : 26th March 2020
Cert. Expiry Date : 25th March 2023



Reg. No. IN/EMS20/0512



K. Mehmood

Chief Executive Officer
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High quality Die-cast aluminum and zinc

Production facilities

| Maschine | Typ | Capacity | Quantity |
|---------------------|-----------------|----------------------------|----------|
| Die casting machine | Semi-automatic | 80 Tons Closing force | 3 |
| Die casting machine | Semi-automatic | 120 Tons Closing force | 1 |
| Die casting machine | Fully automatic | 150/180 Tons Closing force | 1 |
| Die casting machine | Fully automatic | 350/400 Tons Closing force | 1 |
| Die casting machine | Fully automatic | 800 Tons Closing force | 1 |

The company also plans to purchase its own 900T machine by the end of 2021.

| | | |
|---------------------|--|----|
| Oven | for melting and keeping warm | 8 |
| Maschinen | Drilling and tapping | 22 |
| Maschinen | Vibration processing with vibration dryers | 4 |
| Degradation presses | Hydro-Pneumatic | 14 |
| Maschine | Sanding and belt sanding | 16 |
| Maschine | SCHAUBLIN SPM-SPIN | 6 |
| Maschine | CNC-Milling machine- HAAS VF2 | 1 |

an other is planned for 2021.

| | | |
|-----------|---|---|
| Maschinen | Milling machine - BFW VF2 | 1 |
| Anlage | Pre-treatment 9 Tanks/Fully automatic for coating | 1 |
| Kanbine | Puk coating, dryer, spray gun, oven | 2 |

Additional machines for production:

| Maschine | Type | Capacity | Menge |
|-----------------------|---------------------------------|---------------------|-------|
| Screw air compressors | Chicago Pneumatik & Atlas Copco | -10hp bis 40hp | 5 |
| Air compressors | | 10hp AND 15hp | 5 |
| Cooler | | for cooling oil | 2 |
| Cooling towers | | | 3 |
| Maschines | | Shrink wrap | 2 |
| Laboratories | | Powder coating test | 1 |

High quality Die-cast aluminum and zinc

Locations



Main location and production

INDIA

DEMO CASTERS PRIVATE LIMITED

D-10, Ansa Industrial Estate,
Saki Vihar Road, Andheri-East,
Mumbai-400072, India
Mr. Vinay Bijlani
Managing Director
Mobile : + 91 9820 012 796
director@democasters.com

Europe

EFA INDUSTRIAL PARTS & EQUIPMENT

EFA Gmbh

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Mobile: + 49 1752185521
Mr. Maximilian von Puttkamer
Managing Director
Email: max@efa-berlin.com

EFA France SAS

3 rue Claude Chappe
ZA La Haute Limougerge
37230 Fondettes – France
Mobile: +33 630163014
Mr. Benoit Beaumont
Managing Director
b.beaumont@efa-france.com