

## MANUFACTURING SERVICES



Casting



Forging



Precision Machining



Sheet Metal



Plastic Injection Moulding



Heat Treatment



Surface Treatment



Welding



3D Printing



Testing And Assembly

## INNOWERX Manufacturing Services Pvt. Ltd.

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### Plant

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### Connect us on



**Creating a Sustainable Future  
with an Innovative Mindset**

**An Integrated Manufacturing  
Ecosystem to empower your Growth**

**End to End Manufacturing  
Solutions under one roof**

**Experience the Autonomy through our  
Virtual Business Management System**

**Collaborating with our Stakeholders  
to make a Social Impact**

**Looking for a Reliable Manufacturing Partner.  
We are right here**



**Let's Co-create your Vision with  
World Class Manufacturing**

www.innowerx.com



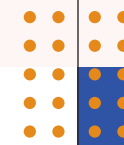
# MAKE IN INDIA

ABOUT US



Established in the year 2021 with an aim to provide end to end manufacturing assistance to Technology and Engineering companies located overseas for their product development cycle. The Company has a manufacturing setup in the prime location of Navi Mumbai giving it a strategic access to an extensive supplier network catering across industry sectors such as Aerospace, Automobile, Steel, Energy, Plastic etc. and correspondingly providing an excellent connectivity to our overseas customer through Air and Sea.

We are committed to provide the finest of manufacturing experiences with minimal intricacies and management troubles. We work with you to co-create innovative and futuristic products while ensuring 100% delivery of its value & service. We have established a global ecosystem comprising of : critical part suppliers, outsourcing vendors, business partners, industry experts and consultants having expertise across wide range of industry domains such as castings, forgings, additive manufacturing, machining, welding, heat treatment, surface engineering, sheet metal, tool and die making, plastics and polymer, electronics and automation etc.

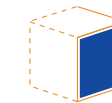


WHAT WE DO?



**New Product Development**

We will partner with you right from the ideation and conceptualization stage and give you key manufacturing insights to take progressive steps in the right direction. This will give you immediate clarity on the project feasibility without having to invest more time and cost.



**Prototyping**

You will get the first glimpse and feel of your own creation. We invest a lot of our resources at this stage so that you get your prototypes made in the most cost-effective way. We will provide a detailed FAI report with necessary test certificates for product qualification.



**Mass Production**

We have developed unlimited manufacturing capabilities through our vast, qualified supplier network which enable us to deliver good quality product on time, every time. Our production facilities are IATF 16949 and AS 9100 certified and comply to international manufacturing standards.



**Assembly Line**

We manufacture complete product as per your requirement by taking benefits of our diversified industrial expertise. Our customized assembly stations working on TPM and TQM principles minimizes the product TAT so that it gets delivered at your doorstep in ready to sell condition.

**VISION**

Establish an ecosystem for holistic development of innovative, breakthrough and futuristic products

**MISSION**

Provide World Class Manufacturing services to at least 100 customers by the year 2025



**OUR CORE VALUES**

**World Class Manufacturing**

We will adopt the latest technology and best industry practices to ensure 100% compliance to customer requirements, on time delivery and value for investment

**Integrity**

We aim to provide our external stakeholders with fair conduct, honest and transparent communication, and ethical practices

**Pioneering**

We will keep an optimistic approach towards challenging situations and find ways to explore innovative solutions

**Accountability**

We take onus and complete responsibility and accountability for our actions

**Sustainability**

We will establish a Business Management System which is autonomous and driven by continual improvement



**LEADERSHIP**



**VIVEK KUDVA**

Founder and Managing Director



A true visionary entrepreneur with great leadership qualities and the zest to focus on perfection, excellence, and smart work. His goal is to create a legacy and have the ability to contribute to the society through his vigor and work. Having had a total work-ex of 8 years, Mr. Kudva started his professional journey as a Production Engineer to get deep insights on the manufacturing challenges that are faced by the industry. Slowly developing a passion for problem solving and business management he took on to the leadership role in our sister concern Associated Plasmatron Private Limited as the Administrative Director in just a span of 5 years. While acting in this role he has been able to formulate business targets, restructured the Quality Management System and got the Company certified for AS 9100; correspondingly having faced the AS 9100 audits for 4 consecutive years and has aced well at every juncture.

He has been able to redefine the business process flow and automated it through a customized online ERP system; won several accolades for the Company, organized by Clients and Industry Associations such as the Most Sustainable Partner Award and SME National Productivity Championship. A Mechanical Engineer passed out from Mumbai University, he continued to develop his industrial skill set through various certification courses. Alongside, he holds a post-graduation qualification in MBA and is an alumnus at the S.P. Jain Institute of Management, Mumbai which has given him major backing and knowledge about the business world.

## CASTING



It is a process of making parts by pouring molten metal into a die and then cooling it to room temperature so that it takes the shape of the die. It is a less expensive method of manufacturing compared to machining an entire piece of solid metal. It also gives the flexibility of manufacturing a wide variety of parts. Casting is broadly categorized into three main types :

- Sand Casting
- Investment Casting
- Die Casting

### MATERIAL

- Aluminum Alloys
- Magnesium Alloys
- Brass Alloys
- Zinc Alloys
- Copper
- Cast Iron
- Cast Steel
- Carbon Steels
- Low Alloy Steels
- High Alloy Steels
- Tool Steels
- Nickel and Cobalt based Alloys



### CAPABILITIES

- Integrated sequential manufacturing process under one roof i.e., Simulation -> Tool designing and manufacturing-> Prototype-> Manufacturing
- Prototype to high volume production of up to million parts per year
- Monthly production capacity of up to 100MT/month
- Capability to cast parts up to 10 Tonnes
- Manufacturing of wide variety of grades such as Carbon Steel, Stainless Steel, Duplex, Super Duplex, Aluminum and Brass Alloys etc.
- Different follow up Heat Treatment process such as Normalizing, Annealing, Hardening, Tempering etc. based on the requirement of mechanical and chemical properties
- Post finishing and surface treatment process such as Anodizing, Painting, Plating, Powder coating etc.
- Flexibility of end-to-end machining of small to large sized parts
- Achieve as cast tolerance of up to  $\pm 0.2\text{mm}$  and machined tolerance of up to  $\pm 0.025\text{mm}$
- As cast surface finish as low as 1.6 Ra micron
- Use of advanced CAD-CAM software for simulation and tool/die making
- One of the few in INDIA to perform Hot Isostatic Process (HIPING)
- Use of "Low Therm Fettling Technique" to control microstructure
- In-house lab tests carried out for raw material verification at production site, certified to NABL standards
- Complete NDT testing of parts for defect analysis as per international standards
- Manufacturing facility certified to ISO 9001:2015 and IATF 16949 Quality Management System

## FORGING

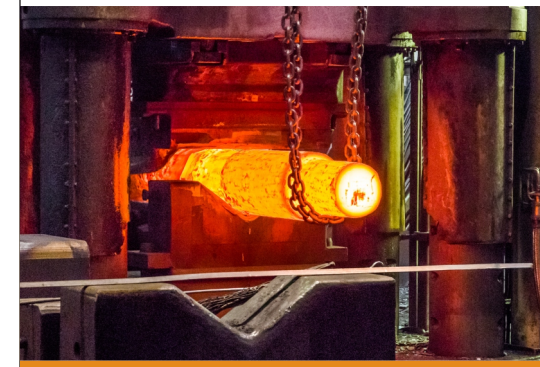


Forging is a manufacturing process involving the shaping of metal using localized compressive forces of a hammer or a die. Forgings are broadly classified based on the temperature at which it is formed as Cold, Warm & Hot forging. Depending on the type of die used the Closed dieshall provide better dimensional control and strength. Forgings are classified as :

- Ring Rolling
- Radial Forging
- Upset Forging
- Orbital Forging
- Extrusion Forging

### MATERIAL

- Carbon Steels
- Low Alloy Steels
- High Alloy Steels
- Tool Steels
- Non-Ferrous Alloys
- Nickel and Cobalt based Alloys



### CAPABILITIES

- Prototype to high volume production of up to thousands of parts per year based on part configuration
- Forging of parts from few Kgs up to more than 10 Tonnes
- Manufacturing of wide variety of material grades such as Carbon steel, Alloy steel, Tool steel and Superalloys
- Gas and Electric operated Heat Treatment furnaces for heating of pre-form as well post heat treatment such as Annealing, Normalizing, Hardening, Tempering etc.
- Up to 4000Tonnes fully automatic Hydraulic press
- Mobile charging machines and forging manipulators
- Flexibility of end-to-end machining of small to large sized parts
- Tolerance of close die forged parts up to  $\pm 0.25\text{mm}$  based on the characteristics of the part and machined tolerance of up to  $\pm 0.02\text{mm}$
- CMM inspection for part validation and approval of machined parts
- In-house lab tests carried out for raw material verification at production site, certified to NABL standards
- Complete NDT testing of parts for defect analysis as per international standards
- Manufacturing facility certified to IATF 16949 and AS 9100 Rev.D Quality Management System
- Globally approved system, client, and product certifications

## PRECISION MACHINING



It is a process that creates a desired shape and size by removing the unwanted material from a larger piece of metal. A plethora of machining options are available depending on the part geometry, GD & T requirements, surface finish, throughput etc. The working mechanism of different machines are : a) workpiece securely clamped while the tool moves b) tool may remain in place while the workpiece moves c) both the cutting tool and workpiece move together.



### MATERIAL

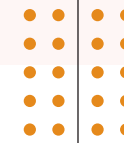
- Carbon Steel Alloys
- Stainless Steel Alloys
- Titanium Alloys
- Nickel, Cobalt, and Vanadium based Alloys
- Aluminum Alloys
- Copper Alloys
- Brass Alloys
- Zinc Alloys

### Few regularly machined plastics :

- ABS
- (PTFE) Nylon
- Polypropylene
- Polycarbonate
- PVC
- HDPE

### CAPABILITIES

- Prototype to high volume production of up to thousands of parts per year based on part configuration
- CNC machining of parts weighing up to 10 Tonnes
- CNC machining of parts measuring up to 1000mm Dia and 4000mm Length
- Small and big sized VMC machines up to X axis – 4000mm, Y axis – 2000mm and Z axis – 1000mm
- Cylindrical Grinding of parts up to 800mm Dia and 6000mm Length
- Conventional turning of parts up to 1500mm Dia and 6000mm Length
- Supporting machining operations such as Cutting, Deep hole drilling, Milling, Boring, Broaching, Gear hobbing, Surface grinding etc.
- Machining of wide variety of material grades such as Carbon steel, Alloy steel, Tool steel, Non-ferrous alloys, and Superalloys
- Machining of castings and forgings of small to large sized parts
- Tight tolerance of machined parts up to  $\pm 0.005\text{mm}$
- Post-machining surface finishing operations such as ID and OD polishing, Superfinishing, Honing etc.
- Surface treatment processes such as plating, anodizing, phosphating, blackodizing, thermal spray coating, slurry coating, polymer painting etc.
- CMM inspection for part validation and approval of machined parts
- ERP notified calibration control system for measuring/monitoring instruments and machines
- In-house lab tests carried out for raw material verification at production site, certified to NABL standards
- Complete NDT testing of parts for defect analysis pre and post machining as per international standards
- Customer appointed third party inspection and verification allowed
- Manufacturing facility certified to IATF 16949 and AS 9100 Rev.D Quality Management System
- Implementation of Lean Six Sigma tools for better quality control, process control, part traceability and documentation
- Industry 4.0 integrated manufacturing facilities



## SHEET METAL



Sheet metal is one of the fundamental forms used in metal working, and it can be cut and formed into variety of shapes by different methods. Sheet metals are manufactured by cold or hot rolling depending on the type of material and final sheet thickness to be maintained. We can process the sheet metal by various methods to meet your requirement such as :

- Fabrication
- Deep Drawing
- Stamping
- Spinning



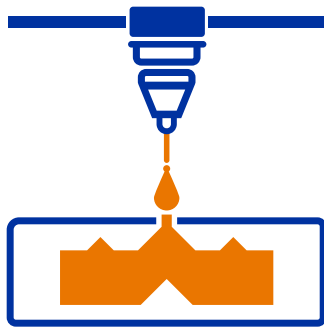
### MATERIAL

- Carbon Steel Alloys
- Stainless Steel Alloys
- Aluminium Alloys
- Titanium Alloys
- Brass Alloys
- Copper Alloys

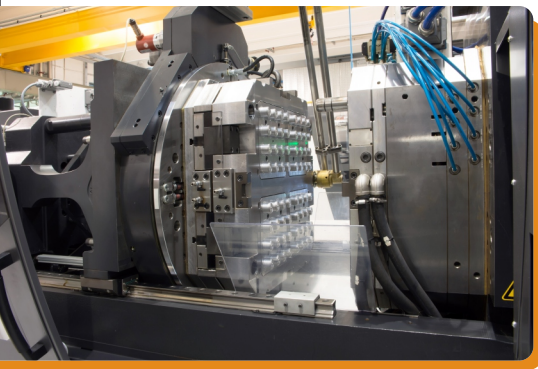
### CAPABILITIES

- Integrated sequential manufacturing process under one roof i.e Simulation -> Tool designing and manufacturing -> Prototype -> Mass production
- Simulation software's used for part development such as Pam Stamp and Hyperform
- Tool room equipped with VMC measuring up to X axis – 4000mm, Y axis – 2000mm and Z axis – 1000mm
- Dedicated mechanical and hydraulic presses for prototype part tryouts
- Prototype to high volume production of up to millions of parts per year based on part configuration
- Flexibility to choose fabrication, incremental forming, or soft tooling for prototype parts
- Fabrication of parts weighing more than 10 Tonnes and measuring up to 12 meters in length
- Stamping and Deep Drawing of parts in stainless steel grade and alloy steels
- Working with sheet metal thickness in the range of 0.15mm to 8mm
- Deep draw parts up to 350mm
- Manufacturing of maximum die size of 4000mm x 1600mm x 1200mm and maximum part size of 2400mm x 1500mm x 500mm
- Different types of metal finishing services such as fettling, heat treating, plating, anodizing, passivation, phosphating, blackodizing, buffing, galvanizing, metallizing, polymer painting etc.
- CMM inspection for part validation and approval of stamped and drawn parts
- Checking fixtures for easy and quick inspection of mass production parts
- In-house lab tests carried out for raw material verification at production site, certified to NABL standards
- Complete NDT testing of parts for defect analysis pre and post fabrication as per international standards
- Availability of WPS, PQR and WPQ qualified by international certifying bodies
- Customer appointed third party inspection and verification allowed
- Manufacturing facility certified to IATF 16949 and AS 9100 Rev.D Quality Management System
- Implementation of Lean Six Sigma tools for better quality control, process control, part traceability and documentation
- Industry 4.0 integrated manufacturing facilities

## PLASTIC INJECTION MOLDING



Injection molding is a manufacturing process in which molten plastic is injected into a mold which is made up of steel or aluminum. Principally it is like a die casting process used for making metal parts. The semi-molten plastic is injected into a feeding system and traversed to the mold before passing through feed, transition, and metering section. Injection molded parts have vast application in consumer and commercial products.

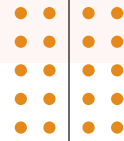


### MATERIAL

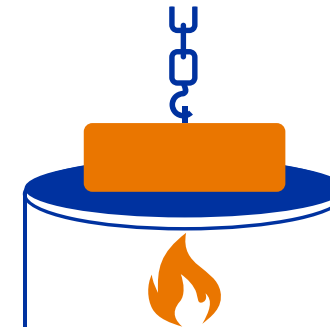
- ABS (Acrylonitrile Butadiene Styrene)
- CA (Cellulose Acetate)
- EPDM (Ethylene Propylene Diene Monomer Rubber)
- HDPE (High Density Polyethylene)
- LCP (Liquid Crystal Polymer)
- LDPE (Low Density Polyethylene)
- PA 6 (Polyamide 6)
- PARA (Polyaryl Amide)
- PC (Polycarbonate)
- PVC (Poly Vinyl Chloride)

### CAPABILITIES

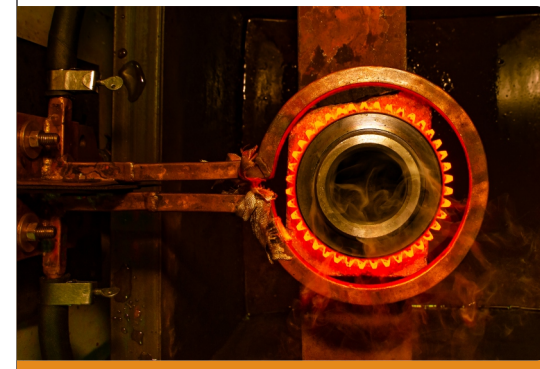
- Integrated sequential manufacturing process under one roof i.e., Simulation -> Tool designing and manufacturing -> Prototype -> Mass production
- Tool room equipped with VMC's and CNC's for manufacturing of die and molds
- Prototype to high volume production of up to millions of parts per year based on part configuration
- Manufacturing of parts wide variety of materials such as ABS, LDPE, HDPE, Nylon, PC etc.
- Manufacturing of molds for up to 3000 Ton molding machine
- Provide different type of finish to molded part based on customer requirement
- CMM inspection for part validation and approval
- In-house lab tests carried out for raw material verification at production site, certified to international standards
- Defect analysis of plastic molded parts as per international standards
- Customer appointed third party inspection and verification allowed
- Manufacturing facility certified to IATF 16949 and ISO 13485 Quality Management System
- Implementation of Lean Six Sigma tools for better quality control, process control, part traceability and documentation
- Industry 4.0 integrated manufacturing facilities



## HEAT TREATMENT



Process of heating metal without letting it reach its molten state and then cooling it in a controlled manner to achieve desired mechanical properties. The Heat Treatment consists of: a) heating cycle in which the part is heated at a consistent rate till a certain temperature b) soaking cycle in which the part is held at a particular temperature c) cooling cycle in which the part is cooled using different cooling media to achieve the desired properties.



### MATERIAL

- Carbon Steel
- Alloy Steel
- Tool Steel
- Superalloys

### CAPABILITIES

- All heat treatment processes under one roof
- Bulk heat treatment processes – Annealing, Normalizing, Hardening and Tempering
- Surface heat treatment processes – Carburizing, Nitriding, Carbonitriding
- Completely automated and PID controlled heat treatment furnaces
- Paperless recording of heat treatment cycle with complete traceability
- Multiple furnaces to cater mass production
- Flexibility to load batch and production parts
- Vertical furnace up to 2 meter Dia and 8 meter height for loading of long shafts and rollers
- Heat treatment of raw as well as machined parts
- In-house and third-party testing of heat-treated material for verification of required mechanical properties
- Heat Treatment facility certified to ISO 9001 and IATF 16949 Quality Management System
- Periodic calibration, maintenance, leak testing and temperature uniformity survey to ensure process reliability and consistency

## SURFACE TREATMENT



Plating is an electrolytic process in which the part to be plated is usually used as a cathode and the metal to be deposited is used as an anode. Both the electrodes are dipped in an electrolytic solution and charged with DC current to start the plating process. Our sister concern Associated Plasmatron Pvt. Ltd. specializes in Thermal spray coating for various critical engineering applications. For more details, please visit [www.plasmatronindia.com](http://www.plasmatronindia.com)



### MATERIAL

#### Platings

- Chromium
- Nickel and its alloy
- Zinc and its alloy
- Silver and Gold
- Tin
- Copper

#### Coatings

- Ceramics (BX)
- Alloys and Metal blends (CX)
- Cermets (DX)
- Borides (DBX)
- Carbides (DCX)
- Abradables (EX)
- Polymers (FX)
- Special Powders (GX)

### CAPABILITIES

- Latest thermal spray coating and cladding technology under one roof
- Thermal spray coating facility integrated with heavy engineering tool room
- Coating processes available – HVOF, HVAF, Plasma, Detonation, Slurry coating etc.
- Thermal spray coating of variety of materials such as Alloys, Carbides, Ceramics, Borides, Abradables, Cermets, Polymers etc.
- Plating processes available – Hard Chrome, Electro and Electroless Nickel, Copper, Tin, Silver and Gold, Phosphating, Anodizing, Galvanizing, Blackodizing etc.
- Coating of parts up to 2000mm Dia and 10000mm long
- Pre and post machining of coated parts up to 1500mm Dia and 6000mm long
- Grinding of coated parts up to 800mm Dia and 6000mm long
- Heat treatment furnaces for pre and post coated/welded parts up to 2000mm Dia and 8000mm long
- Complete end to end manufacturing of coated/plated parts and assemblies
- Flexibility for plating and coating of batch and production parts
- In-house laboratory for microstructure analysis of coated and plated parts including micro-hardness and bond strength evaluation
- Coating and Plating facility certified to AS 9100 Rev.D and ISO 9001 Quality Management System
- Coating shop approved by ISRO and headquarters of MNC based in USA and Europe. Plating shop approved by Nuclear and Defence, Govt. of INDIA.

## WELDING



Welding is a process of joining metals or thermoplastics by using high amount of heat generated by a power source. This melts the material to fuse together and form a metallurgical bond which is protected by a shielding inert gas to prevent contamination and oxidation. While this technology has long been used for joining of metals, we also utilize it for overlaying of specific alloys on carbon steel and stainless-steel substrate to impart enhanced properties.



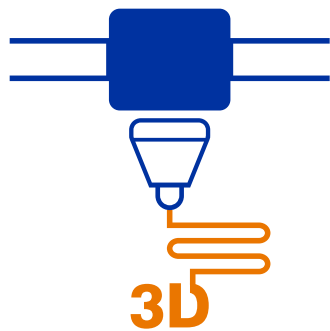
### MATERIAL

- Stainless Steel and its variant
- Nickel and its variant
- Cobalt and its variant
- Carbide and its variant

### CAPABILITIES

- Latest weld overlay and laser cladding technology
- Weld overlay facility integrated with heavy engineering tool room
- Welding and Cladding processes available – GTAW, PTAW, SMAW, FCAW and Laser.
- Welding and Laser cladding of exotic materials such as Nickel and its variants, Cobalt and its variants, Carbide and its variants etc.
- Completely automated welding setup capable of welding parts up to 2000mm Dia and 2000mm long
- Pre and post machining of weld overlaid parts up to 1500mm Dia and 6000mm long
- Grinding of weld overlaid parts up to 800mm Dia and 6000mm long
- Heat treatment furnaces for pre and post coated/welded parts up to 2000mm Dia and 8000mm long
- Complete end to end manufacturing of weld overlaid/cladded parts and assemblies
- Dedicated welding setup for batch and production parts
- Qualified welding operators capable of manual as well as semi-automatic welding
- Availability of WPS, PQR and WPQ for range of materials qualified by internationally recognized certifying bodies
- NADCAP certified High Vacuum Brazing furnaces for Aerospace and Automotive parts
- In-house laboratory for microstructure analysis of welded samples including micro-hardness and bond strength evaluation
- Welding facility certified to AS 9100 Rev.D and ISO 9001 Quality Management System
- Welding shop approved by BHEL and MNC's such as Siemens and L&T

## 3D PRINTING



It is a process where part geometry is grown by depositing and fusing multiple layers one after the other. The part is manufactured as per the 3D CAD model and fed into its computing system. 3D printing can be classified into different types based on the type of material used for manufacturing.

### 3D Printing of Thermoplastic :

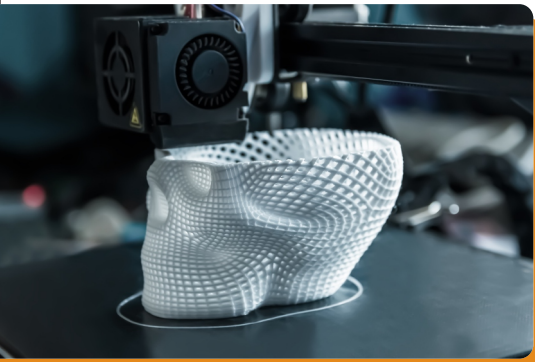
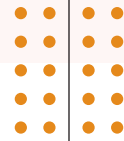
- SLS (Selective Laser Sintering)
- FDM (Fused Deposition Modelling)

### 3D Printing of Thermoset :

- SLA (Stereolithography)
- Polyjet

### 3D printing of Metal :

- DMLS (Direct Metal Laser Sintering)
- Metal Binder



## MATERIAL

### SLS (Selective Laser Sintering)

- Nylon PA 6
- Nylon PA 12 (glass filled)

### FDM (Fused Deposition Modelling)

- ASA
- ABS
- PC

### SLA (Stereolithography)

- Accura 25
- Accura 60
- Accura Extreme Grey

### Polyjet

- Photopolymer (Rigid)
- Photopolymer (Rubber)

### DMLS (Direct Metal Laser Sintering)

- Stainless Steel
- Aluminum
- Titanium

### Metal Binder Jetting

- Stainless Steel and its variant mixture

## CAPABILITIES

- Rapid prototyping of parts in less than 5 days based on project scope
- Manufacturing of parts for the Healthcare sector such as dental implants, anatomical models, surgical guides, orthotics etc.
- Manufacturing of small and intricate jewelry items
- Wide range of selection of materials as stated above
- Flexibility in selection of process for manufacturing of parts based on material used
- Manufacturing of prototype as well as production parts

## TESTING AND ASSEMBLY



### TESTING

To ensure 100% conformance to customer requirements the part goes through multiple stages of testing throughout its supply chain. With the help of our in-house test setup and network of NABL certified labs, we can perform a range of tests for raw materials, chemicals, and mechanical properties; verification, validation of coated, plated, and welded samples, microstructure analysis, NDT, dimensional inspection, and several other tests based on project requirement on case basis.

### ASSEMBLY

Assembly is often a very cumbersome and time-consuming process with a long list of checkpoints to comply with. The time invested in this stage is unpredictable and often neglected during the project estimation phase. Also, each part which goes inside the assembly is received at different timelines from each vendor which indefinitely delays the project and effecting the profitability. We endeavor to take complete responsibility of customer project and provide finished assemblies ready to put in operation.

### HOW DO WE DO THIS?

- Understanding the purpose, functioning and inter-relation of each part in the assembly
- Breaking down the main assembly to its sub-assembly and individual parts
- Categorization of parts based on its type, material, lead time etc.
- Create a BOM and prepare an MRP (Material Requirement Planning) in the ERP system
- Detailed risk assessment of each part to account for uncertainties
- Defining the manufacturing, inspection, testing, and validation method
- Creating project timeline-based lead time for each part and continually optimizing it to meet the targeted schedule defined by the customer
- Project implementation with continuous analysis and problem resolution based on live reports generated through ERP
- Identification on each part to ensure traceability and documentation of each process
- Customer access to live tracking of project status
- Final testing and inspection of parts to enable generation of COC (Certificate of Conformance)
- Inspection by customer representative or third party appointed agency
- Timely availability of parts for final assembly through KANBAN system
- Ensuring 100% uptime of assembly station through TPM implementation
- Customized and automated assembly stations designed to meet the targeted TAT
- Packaging and shipping of product as per customer specified standards
- Complete project performance tracking through ERP
- Review of part/project history at any time through barcode scanning

### HOW DOES IT BENEFIT YOU?

- You will receive finished product ready for delivery/installation
- Significant saving of time and money for assembly
- Avoid the hassle of managing multiple vendors and related intangible costs
- Reduced SCM activity will allow you to optimize your fixed internal costs
- Avoid delays during the last mile of project execution
- Saving on SCM cost will make your product more competitive and profitable in the market
- Complete transparency of project execution will keep you updated and give you the virtual experience of in-house manufacturing



## KEY PERFORMANCE INDICATORS



### QUALITY ASSURANCE

At Innowerx, Quality consciousness is at the heart of each business activity. We have structured and well-defined Quality Management System in accordance with ISO 9001:2015 and AS 9100 Rev.D standards. Customer requirements are thoroughly reviewed, clearly documented, and effectively communicated down the supply chain to ensure 100% compliance at the end of project/product life cycle. The quality tools implemented by us to ensure zero defects and zero customer complaints are as follows :

#### ■ ADVANCED PRODUCT QUALITY PLANNING

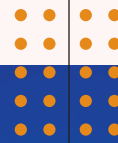
A good understanding and clarity of scope at the start of the project plays an important role in its holistic and timely completion. Depending on the complexity and scale of the project it is divided into its macro and micro elements so that no detail is left unattended. Manufacturing inputs are provided to the customer for better DFM (Design for Manufacturing) and subsequently PFMEA (Process Failure Mode Effect Analysis) is done to minimize the production risks. This enables to make logical and conscious decision and avoid unwarranted trials. Once the design and process are finalized a series of sample validations are done and the results recorded become a source for continual improvement. The output of this drill is to manufacture quality product at First Time Right leaving with more opportunities for continual improvement. This will help you in rapid progression from inception to completion thereby saving a lot of development cost.

#### ■ SIX SIGMA

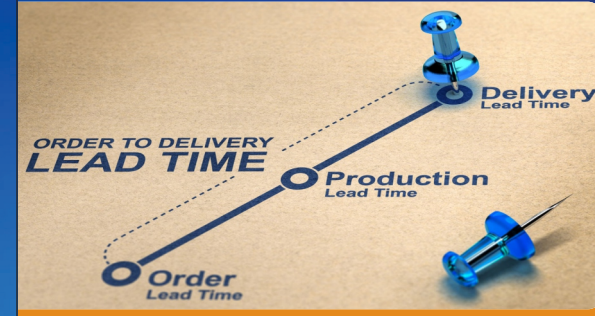
This is a standard protocol followed by us during production. Targets defined for each process are measured and analyzed with the help of various SPC tools. Opportunities for improvement are identified and assigned to a team of qualified engineers who implement the corrective and control actions. Improvements in the customer product are recorded and a portion of its economic benefit is passed on to the customer as value addition.

#### ■ 6S

This cultural approach at Innowerx has proven to add intangible value to the customer product. Our strategically structured 6S teams dedicate 15 minutes every day for pre-defined 6S activities and periodic cross team audits are conducted for its effective implementation. Reduction in wastage, better inventory control and streamlined processes enable us to operate at our maximum efficiency thereby providing better service to our customer.



## ON TIME DELIVERY



#### ■ PRODUCTION PLANNING

Timely completion of a project is largely dependent on effective planning of Man, Machine and Materials. The inter-dependency of these three aspects during simultaneous execution of multiple projects is often neglected leading to overstressed and overstretched projects. Our in-built AI powered production planning module can forecast and perform dynamic planning of resources considering the unexpected and unwarranted changes in production.

#### ■ BUSINESS MANAGEMENT SYSTEM

Our customized ERP system enables to record, track, and execute customer orders right from lead generation to shipping thereby ensuring complete documentation and traceability to its original parts. You can virtually access your project data, evaluate our performance, and live tracking of on-going orders.

## CUSTOMER EXPERIENCE



#### ■ CUSTOMER DASHBOARD

Each customer will be given a unique login credential to access all the information. Customers can evaluate the overall performance, view project summary, and track the status of ongoing orders. Customers can also put their queries, complaints and send messages whenever needed. You will never feel disconnected and be in complete control of the project developments.

#### ■ PART HISTORY

Bar codes engraved on the parts and documents provide you with complete information about the part. This provides a critical input during preventive maintenance, breakdowns and troubleshooting experienced at the end user. It allows the customer to track the part life, its operational performance and perform effective root cause analysis in case of operational failures. All you need is a smartphone with a barcode scanner, and you will have the information you need at your fingertips.

#### ■ RESPONSE AND FEEDBACK

We never let our customers to feel distant and disconnected. We will respond to your queries within 12 hours with relevant and accurate information. We also take regular feedbacks on order basis to ensure complete customer satisfaction. Any suggestion given by the customer is promptly acted upon and updated.

**INDUSTRIES WE SERVE** *Tailored Manufacturing Solutions for Diverse Industries*



**Aerospace**



**Automotive**



**Oil & Gas**



**Energy**



**Hydraulic**



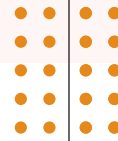
**Plastic**



**Compressors**



**General Engineering**



**SOCIAL RESPONSIBILITY**



Innowerx is committed to serve the community and environment through a host of CSR programs with primary focus of Environment, Women Empowerment, Child Education, and such. The CSR activities are well organized, structured and are driven by the Innowerx team leaders. At Innowerx CSR is not a mere checkpoint for compliance but a momentous opportunity to express our respect and gratitude towards nature and society. We also encourage and invite our stakeholders to be part of our CSR campaigns to have a larger impact.

**ENVIRONMENT**  
Creating a Positive impact through Sustainable industry practices



**WOMEN EMPOWERMENT**  
Creating Opportunities. Building Leadership

**CHILD EDUCATION**  
Empowering children to be Independent and Responsible citizens

