



CONTACT US



ADDRESS:

Shed No 105, Shubh Estate, Nr Zaveri Estate,
Singarva-Kathwada Road, Kathwada, Ahmedabad-382430,
Gujarat, (INDIA).



MOBILE NO:

+91 98796 10315



WEBSITE:

www.innoventindia.com



EMAIL ID:

info@innoventindia.com
upadhyay.krunal@innoventindia.com



OUR GST NO.

24AAECI3378Q1Z0

www.innoventindia.com

Where
IDEAS
turn into
INNOVATIONS



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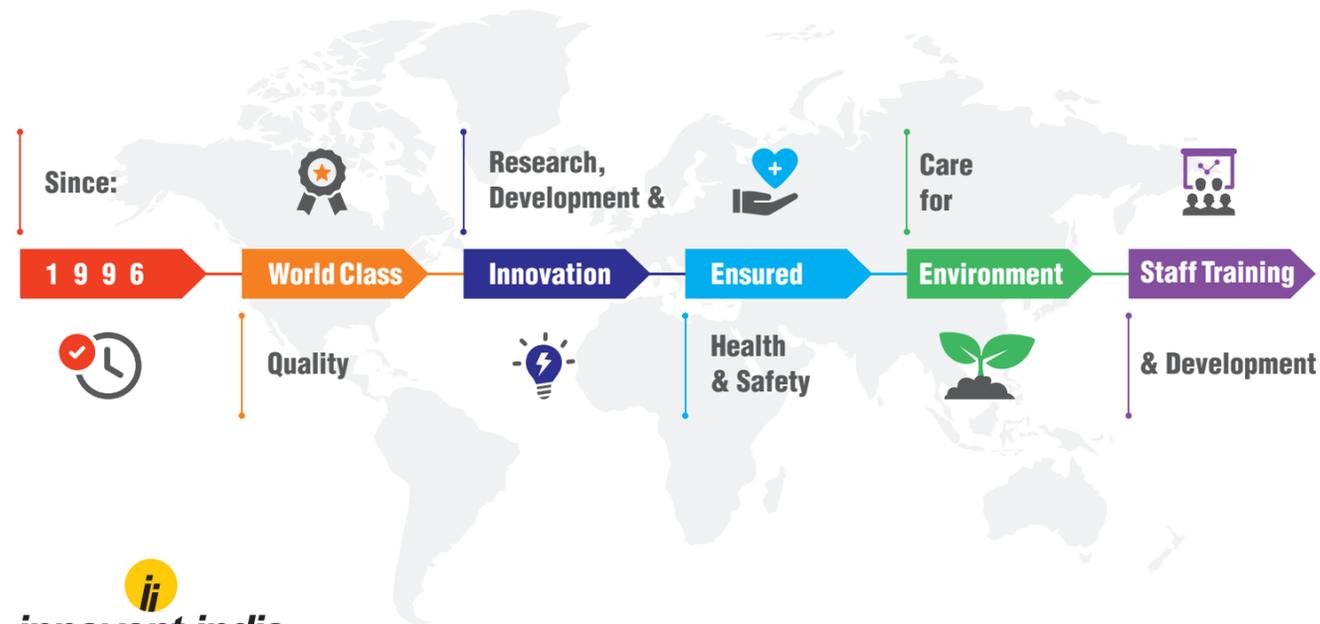
ABOUT INNOVENT INDIA ENGINEERS PVT. LTD.



We are leading Engineering company dealing with manufacturing of Single as well as twin screw and barrels which has wide utility in Plastic extruder machines and related machinery where plastic mixing and melting is involved.



- We are the first company in our segment to have ISO 9001:2015 certification from TUV SUD South Asia Private Ltd, which makes us unique & trustworthy.
- An ISO standard guarantees a faultless & quality product for our customers.
- We started our journey in the year 1996, under name 'Tejas Industries'. We started off as remarkable manufacturers and suppliers of a wide range of Single Screw Barrels and Twin Screw Barrels.
- Over the years, we have got significant support from our clients. We have always fulfilled our customer needs with great sheer and accuracy. With a satisfied clientele and their continuous support, we have been able to build 'Innovent India Engineers Pvt. Ltd.'
- With a vast experience of 25 years, we at Innovent India believe in grabbing every opportunity available in the market. We have modernized and mechanized our offerings as per the market requirements.
- We have and will always strive to offer excellent quality products & services to our valuable customers.
- We provide engineering services like Deep Hole Drilling, Boring, Honing, Gun Drilling, Turning Services and many more.



OUR MACHINE INVENTORY



We are committed to deliver best of the best quality and services to our clients to achieve that we have developed our machine inventory at its best. Our machines are fully equipped and matching the latest standards and trends to perform with accuracy. We believe that our main strength comes from our well developed and well maintained inventory that we have.

➤ Machinery for Cutting & Pre Machining Application

- Conventional Lathe Machine – 30ft – 1 nos
- Conventional Lathe Machine – 12ft – 1 nos
- Auto Bandshaw Machine – 450 Cutting dia – 1 nos
- Radial Drilling Machine – 1 nos

➤ Machinery for SPM Application

- CNC 1 Axis BTA Deep Hole Drilling machine (Drill dia 25 to 250mm, Drilling length up to 8000mm) – 1 nos
- CNC 1 Axis Gundrill machine (Drill dia 4 to 40mm, Drilling Length up to 2000mm – 1 nos)
- CNC 3 Axis Gundrill machine (Drill dia 4 to 40mm, Drilling Length up to 1600mm – 1 nos)
- CNC 1 Axis Honing Machine (Honing Dia 25 to 500mm, Honing Length up to 14000mm – 1 nos)
- Manual Tool & Cutter Grinder – 1 nos

➤ Machinery for CNC Application

- CNC 3 Axis Turnmill dia 900mmx Length 3200mm – 1 nos
- CNC 4 Axis Turnmill dia 365mmx Length 500mm – 1 nos
- CNC 4 Axis VMC 1300x600x600 – 1 nos
- CNC 3 Axis Turning machine with Bar Feeder – 1 nos

➤ Machinery for Quality & Inspection Application

- CNC 3 Axis Carl Zeiss CMM machine, L1200xW900xH800 mm – 1Nos
- Trimos 1000mm Digital Hight Gauge – 1 nos
- Mahr Surface Tester – 1 nos
- Surface Plate 4000x1500mm – 1 nos
- Hardness Tester – 1 nos
- other essentials equipment for inspection



OUR SERVICES

1. BTA Deep Hole Drilling

- Deep Hole Drilling is used to create holes in relatively large depth to diameter ratio. Normal drilling techniques only work where the depth is just more than five times the diameter. In this drilling technique, the ratio can be reached at 150:1, and any hole which is deeper than ten times the diameter must require a deep hole so for that, specialize deep hole drilling techniques require.
- We are specialized to perform Deep Hole Drilling of Size Capacity with ID 25 to 300 mm & Length Up to 7000 mm. By using a variety of deep hole drilling tools & techniques, we are proficient to satisfy our client's needs



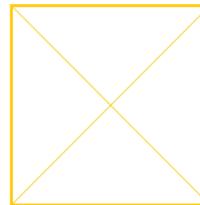
2. Gun Drilling

- Gun drilling is a deep hole drilling procedure which is performed with the help of a long and thin cutting instrument to drill holes in the metal with higher diameter to length ratio. Gun drilling tools are differently abled to create deep hole which are generally not possible in ordinary lath drilling machine. This specialized system is capable to remove trimmed metal chips out of the tool even from the extreme depth with the help of liquid high pressure coolant oil.



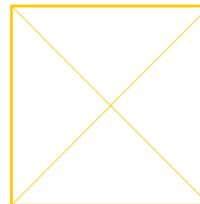
3. Deep Hole Boring

- Deep hole boring is the process of enlarging a hole that has already been drilled by deep hole drilling or deep hole gun drilling. The process of boring is performed to achieve the accuracy of the desired diameter. We have the capacity to deep hole boring of ID 25 to 300 mm, length up to 6000 mm. By using the on-going technologies in cutting and machine tools, we attain close tolerances, exceptional precision and surface finishes.



4. Deep Hole Honing

- In Deep Hole Honing services, we are providing both, internal as well as external honing. Honing is nothing but an interior grinding process through which one can fabricate a standardized size and precise finish as required in hollow parts.
- We are capable for Deep Hole Honing, Size Capacity ID 25 to 300 mm & Length Up to 6000 mm. We have the set of perfect machineries to fulfill any kind of requirements related deep hole honing.



5. CNC Turning

- High precision CNC Turning is a manufacturing process in which bars of material are held in a chuck and rotated while a tool is fed to the piece to remove material to create the desired shape. Our precision CNC machining capabilities are driven by advanced CAD/CAM software for greater precision.
- We offer vertical machine centers and horizontal pallet changers with a table capacity ranging up to 78" wide by Whether the project is simple or complex, we are utilize three, four or five-axis machines to produce your parts in a fraction of the time at a high standard of quality.



WHY CHOOSE US?



Of expertise with innovation at heart



First company in the segment with an ISO and TUV SUD South Asia certification



State of art infrastructural base with a high production capacity



Specialized in making Single & Twin Barrels with Advanced Deep Hole Drilling Technology



On-time delivery



Offers customized solutions with a faultless eye-catchy product



Long Term Sustainability & Reliability



Highly skilled engineers & sub-engineers

OUR CERTIFICATES & ACHIEVEMENTS



OUR PRODUCTS

1. Single Screw Barrel (Pair Set and Separate)

- Innovent India Engineers Pvt. Ltd. is the leading manufacturer of high quality Screw Barrel in India. We manufacture this product with long-lasting materials for high quality and durability. Our art of creating design for the product is so perfect in such a way that it smoothly fits & compliments to the screw by its internal or external diameter.
- Screw Barrel is generally used in all kinds of plastic processing machineries. This unique product is the necessary part for any plastic/rubber processing plants/machinery or projects like plastic extruder machines, plastic injection molding machineries, Recycling/Plastic Recycling Plant, Blow Molding Machineries, Cable Wire Machinery and Food Processing Machinery.



Technical specifications

- Accurate Dimension as per the requirement
- Corrosive Resistance
- Long Life & High Durability
- Capacity Barrel making of screw diameter 22 mm to 250 mm
- One piece Screw length up to 5000mm and Maximum of two pieces 9000mm
- Maximum Barrel OD performed up to 700mm
- Types of alloys we perform (bimetal) R121, R115, R215, R216, Nitride barrel AISI 4140, Nitralloy 135M, NS EN41B (TYPE MUSCO), DIN 41CrAlMo7, 38CrMoAIA, SKD11, Cr12MOV, 4Cr5MoSiV1, 42CrMo, 9Cr18MoV and many other types
- Processing Gas Nitriding & Plasma Nitriding
- Production timeline of within 2-3 weeks approx.

2. Twin Screw Barrel (Pair Set and Separate)

- Innovent India Engineers Pvt. Ltd. has the monopoly in manufacturing of Twin Screw Barrel. We are equipped with superior quality machineries and ultra-modern designs to manufacture extremely high quality twin screw barrels used in specialized plastic processing machines. Our superior quality material gives it smooth finish and elegant look. We also work accordingly to provide the strength and durability to this screw. We develop our products with the use of specially designed CNC Machine to give flawless quality and supreme performance.
- Twin Screw & Barrels are used in number of applications such as plastic extrusion lines, blow molding machineries, injection molding plant, rubber molding plant and other specialized plant related to plastic processing machinery. Mentioned industries have large consumptions of Twin screw barrels and we are ready to match the demand with supply of best quality barrels in the market.



Technical specifications

- Accurate twin hole Dimension as per the requirement
- Corrosive Resistance
- Long Life & High Durability
- We can fulfill any kind of the twin Size code as per the requirement
- Types of alloys we perform (bimetal) R121, R115, R215, R216, Nitride barrel AISI 4140, Nitralloy 135M, NS EN41B (TYPE MUSCO), DIN 41CrAlMo7, 38CrMoAIA, SKD11, Cr12MOV, 4Cr5MoSiV1, 42CrMo, 9Cr18MoV and many other types
- Processing Gas Nitriding.
- Production timeline of within 5-6 weeks approx.

OUR PRODUCTS

3. Duplex Stainless Steel Pipe

- We create special pipes which are used in oil & gas industry. Material is chosen expertly so that it provides seamless flow. Stainless steel pipes are selected to create Duplex SS Pipes as it permits the safe chemical containment of oil and gas process fluids along with its proven durability for long life.
- DSSP are economical due to its high durability, corrosion resistive and maintenance free nature. They are anti-cracking and have high pressure resistive strength from inside and outside. They are easy to weld, easy to transport and easy to store.
- They are safe to use at offshore oil rigs and marine environments for oil & gas supply. Their non-corrosive nature with crude oil which ensures perfect containment at deep-sea level.



4. Hydraulic Cylinder

- With Innovent India's expertise in the domain, we are involved in manufacturing, exporting and supplying a high quality assured array of Hydraulic Cylinder Barrels. Our cylinders meet the requirements of every major industry standards.
- Our hydraulic cylinders are robust, sturdy, easy to install & resistant to rust.
- Cylinder is honed to surface with great finish as per the size requirement, we also provide softening & hardening along with hard chrome coating to prevent corrosion.

