



# EQUIPMENT AND SYSTEMS

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## PRESSURE VESSELS AND STORAGE TANKS

- Total solutions in storage vessels ranging from design till commissioning
- Experience in design and manufacture as per various design codes (ASME, IS etc.)
- Vast experience in handling of different kind of metals & engineering plastics - to mention a few below
  - Carbon Steel
  - Austenitic stainless Steel (various grades)
  - Duplex & Super Duplex
  - Nickel alloys like Incoloy (various grades) & Monel (various grades)
  - Titanium
  - Polyvinyl Chloride (PVC)
  - Polypropylene (PP)
  - Polytetrafluorethylene (PTFE)
  - High Density Polyethylene
  - Polyvinylidene Fluoride (PVDF) and various material liners for highly corrosive and aggressive media
- Material handling capability of up to 3 tons and size possibilities of up to 2000mm x 5000mm length
- Ability to cater to services with operational conditions ranging from full vacuum to 350kg/cm<sup>2</sup> [pressure] and -40 °C TO 450 °C [temperature]
- Ability to execute welding jobs by qualified welders as per ASME Section IX of the BPVC & NDT testing facilities



## PRESSURE PIPING

- Total solutions in Pressure Piping ranging from design till commissioning
- Experience in design and manufacture as per various design codes (ASME, IS etc)
- Vast experience in handling of different kind of metals & engineering plastics – to mention a few below
  - Carbon Steel
  - Austhenic Stainless Steel (various grades)



- Duplex & Super Duplex
  - Nickel alloys like Incoloy (various grades) & Monel (various grades)
  - Titanium
  - Polyvinylchloride (PVC)
  - Polypropylene (PP)
  - Polytetrafluoroethylene (PTFE)
  - High Density Polyethylene
  - Polyvinylidene Fluorides (PVDF) and various material liners for highly corrosive and aggressive media
- Size possibilities up to 8" and 2500lb rating
  - Ability to cater to services with operational conditions ranging from full vacuum to 350kg/cm<sup>2</sup> [pressure] and -40°C to 450°C [temperature]
  - Ability to execute welding jobs by qualified welders as per ASME Section IX of the BPVC & NDT testing facilities

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## INSTRUMENTATION SKIDS & CONTROL PANELS

- Integration services for various types of skid mounted setups catering to pressure, flow, level & temperature instrumentation
- Integration of Control Panels and Instrumentation Controllers
- Custom Injection Skid Packages
- Concept to Commissioning
- Ability to perform in-house FAT (Factory Acceptance Test)



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## QUALITY TESTS

Hydrostatic pressure test (for external chambers only), Dye penetration test, Radiography Level 1/ Level 2, Ultrasonic Examination, Magnetic particle test, NACE MR0175 / ISO 15156 compliance.

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