



INDUSTRIES AND PRODUCT GROUPS IN WHICH NOVATEK HAS MANUFACTURING CAPABILITY AND EXPERIENCE

***OUR SPECIALTY IS IN STAINLESS STEEL, NON-FERROUS AND FERROUS METAL & POLYMER MACHINING TO HIGH TOLERANCES.
LIGHT FABRICATION, HEAT TREATMENT, SURFACE COATINGS ARE ALSO PROVIDED.***

- **MINING EQUIPMENT**
 - ROCKDRILLS, DRILLING RIGS, HYDRAULIC AND PNEUMATIC TOOLS, PIPING, VALVES, GENERAL COMPONENT MANUFACTURE
- **PIPING AND RETICULATION**
 - SMALL DIAMETER (<50 MM) HIGH PRESSURE PIPING, FITTINGS AND COUPLERS, SAFETY VALVES AND FUSES
- **HYDRAULICS**
 - WATER HYDRAULIC VALVES; ISOLATING, CONTROL & SAFETY VALVES, CYLINDERS, LINEAR HYDRAULIC MOTORS, ROTARY MOTORS, HP PUMPS
- **PNEUMATICS**
 - COMPONENTS INCLUDING, CYLINDERS, VALVES, COMPLETE SYSTEMS, CUSTOM DESIGNED MACHINES
- **ELECTRIC MOTORS**
 - SHAFTS, END SHIELDS
- **PUMPS**
 - HIGH PRESSURE JET PUMPS, PUMP SHAFTS, CAST AND MACHINED HOUSINGS AND COMPONENTS
- **POWER GENERATION & TRANSMISSION**
 - SOOTBLOWER PARTS, CAST AND MACHINED PARTS, STELLITE WELDING AND REMACHINING, IMPORT REPLACEMENT ASSEMBLIES AND COMPONENTS
- **AUTOMOTIVE, VEHICLES,**
 - MACHINING OF HUBS, GENERAL MACHINING, CVT TRANSMISSION DEVELOPMENT
- **PROCESSING PLANT**
 - GENERAL MACHINING, POLYMER PARTS AND SEALS, STAINLESS STEEL PARTS, IMPORT REPLACEMENT ASSEMBLIES AND COMPONENTS
- **PARTS FOR SHIPPING CONTAINER CONVERSIONS**
 - DOOR AND WINDOW FRAMES
- **WATERJET CLEANING (SHIPYARDS, MINING, ETC)**
 - JETTING GUNS, NOZZLES, HP PUMPS, SAFETY VALVES, JET PUMPS, PNEUMATIC SCALING HAMMERS
- **LIGHT FABRICATION**
 - FRAMES, LASER CUT AND WELDED ASSEMBLIES, MACHINED AND WELDED PARTS, STAINLESS STEEL WELDING
- **LOCALISATION AND EXPORT REPLACEMENT**
 - DEVELOPMENT AND MANUFACTURE OF LOCALISED SOLUTIONS, ASSEMBLES AND PARTS. TESTING AND PROTOTYPING THEREOF.

NOVATEK'S SPECIFIC MANUFACTURING CAPABILITIES

MACHINING

- Our **batching** department is geared up for large production batches. We can machine to tolerances of ± 0.02 mm up to hardness of 60 HRC. Key machines are listed below.
 - 12 CNC lathes ranging in size from 8 inch chuck turning diameter from 6mm, up to 12 inch chuck turning diameter 380 x 1000 mm between centres
 - 4 CNC machining centres with 4th axis. These have a machining capability of 450 x 850 x 450 mm daylight.
- Our **jobbing** department is set up to handle small quantity orders. Key machines are as follows.
 - 5 Conventional lathes ranging in size up to 625 S.O.B. x 1500 mm between centres and 500 S.O.B. x 2000 mm between centres.
 - 3 CNC lathes, 10 inch chuck turning diameter 300 X 600 mm between centres
 - 2 CNC machining centres with 4th axis. These have a machining capability of 450 x 850 x 450 mm daylight.
- **Broaching** (horizontal) to 5T. Tooling available for 22 and 25 mm rockdrill chucks.
- 1 Rotary type **surface grinder** with a table diameter of 1000mm x 450 mm daylight

FABRICATION & WELDING

- Boilermaking of products less than approx. 1 T. Please discuss specifics.
- General welding, incl stainless steel with MIG and TIG processes.

QUALITY ASSURANCE

- QA system being upgraded to ISO 9001:2015.
- Temperature-controlled metrology lab; with hardness testing, shadowgraph, crack detection, extensive range of measuring equipment.
- We can provide full traceability on parts as required.
- Engraving and batch marking of parts.
- 3rd party inspection service.

CRANES

- 10T Overhead gantry cranes are available in both factory bays and in yard.

SUBCONTRACTING CAPABILITY - Network of specialist subcontractors providing:

- Investment and sand casting.
- Extrusion of aluminium.
- Laser and water jet cutting, CNC bending.
- Heat treatment; full capability, including vacuum, salt bath, subzero, etc.
- Surface hardening and surface treatments, incl galvanizing, etc.
- Centreless grinding, tube honing, etc.
- Gun drilling.
- Spring manufacture and wire forming.

PROTOTYPING

- Capability to manufacture a wide range of prototype parts for testing.

FINISHING, ASSEMBLY AND PACKAGING

- According to customer requirements.
- Assembly and testing capability.

6 Kindon Rd, Robertsham, Johannesburg, South Africa

www.novatek.co.za

+27 (11) 210-0700