

WHAT WE DO

- Engineering, design, and drafting of heavy-duty custom rotary valves tailored to fit a variety of applications, whether for existing systems or new projects and plant modifications. This includes the creation of comprehensive manufacturing drawings and detailed bill of materials.
- Design and drafting of custom mechanical replacement parts, engineered to meet specific requirements and ensure optimal performance and fit.
- Measuring existing parts to create precise 3D models and generate detailed manufacturing drawings for accurate reproduction and assembly.
- Reverse engineering of parts and equipment to develop custom designs, complete with detailed manufacturing drawings for precise replication and integration.
- Supervision of vacuum pump and rotary valve overhauls, overseeing the entire process from disassembly and repair to reassembly. This includes developing repair procedures and drawings, creating parts replacement and ordering lists, setting rotor and bearing clearances during assembly, and compiling a comprehensive overhaul report.
- Manufacturing of custom replacement parts, including sleeves, bushings, anvils, knife blades, shafts, spindles, pins, feed wheels, rollers, seal rings, bearing housings, knife holders, clamps, pulleys, and grinding wheels, all tailored for precise fit and optimal performance.
- Quality inspection of mechanical parts to evaluate their dimensions, form, and finish, to ensure that they conform to the specified drawing tolerances and design requirements.
- Evaluate and design a comprehensive annual maintenance plan, covering preventive, predictive, and corrective maintenance for all equipment to ensure optimal performance, minimize downtime, and extend equipment lifespan.



ADMEEK
ENGINEERING SERVICES
Mechanical Engineering | Design | Drafting

CONTACT US

Rex Fabian
Mechanical Engineer
+61 406 985 764
rex@admek.com.au
www.admek.com.au

WHO WE ARE

With thirty years of experience spanning multiple industries, including manufacturing, power generation, and general engineering.

DESIGN ENGINEERING - MANUFACTURING

- specializing in the design and drafting of jigs, fixtures, and modules for the production of automotive wire harnesses

MECHANICAL ENGINEERING - POWER GENERATION

- focusing on the engineering, design, and drafting of modifications and additions to various systems, including piping, pumps, blowers, cooling towers, steam turbines, gas ejectors, valves, tanks, vessels, black start generators, and emergency fire suppression systems

MAINTENANCE SUPERVISION - POWER GENERATION

- overseeing the planning and scheduling of annual preventive, predictive, and corrective maintenance activities. Supervised teams of mechanical, electrical, NDT, DCS, heavy equipment, and instrumentation technicians, welders, and machinists to execute the preventive maintenance plan. Managed the coordination, scheduling, and supervision of maintenance work during the annual shutdown, including the overhaul of steam turbines and hot well pumps

MECHANICAL ENGINEERING - GENERAL ENGINEERING

- engineering, design, and drafting for manufacture and repair of a wide range of mechanical equipment and components
 - Vacuum Pump
 - Rotary Valve
 - Screw Conveyor
 - Hydraulic Ram
 - Knife Ring Flaker
 - Refiner Plug Screw & Housing
 - Contaminex Pulper
 - Concrete Mixer
 - Rock Crusher
 - Wood Chipper

Components

- Sleeve/Bushing
- Chipper Plate
- Chip Breaker
- Knife Blade
- Pipe Spool
- Debarker Arm
- Tank/Vessel
- Shaft/Spindle
- Refiner Parts
- Wear Plate
- Impeller
- Valve
- Clamp
- Piston
- Segment
- Roller
- Axle Box
- Paddle
- Gear
- Seal Ring
- Screen
- Hammer
- Sizer
- Pulley
- Wheel
- Holder
- Rotor
- Anvil
- Fence
- Cylinder