

REZitech

Belzona® Protective Coatings | Sponge-Jet Abrasive Blasting
Vacuum Pump Supply and Repair



Vacuum Pump Testing

What can we do for you?

- ◆ Vacuum pump testing
- ◆ Repairs to all types of pumps
- ◆ Manufacture and supply of Flowtech and Robuschi vacuum pumps
- ◆ Belzona® range of polymer products
- ◆ Repairs to Roots and Hoffman type blowers
- ◆ Replacement parts for vacuum pumps
- ◆ Manufacture and supply of ancillary vacuum equipment (bases, separators, guards, motors, pulleys, belts, etc.)
- ◆ Machining, shafts, flanges rollers, sleeves bushes
- ◆ Rental & service/exchange vacuum pumps
- ◆ Vacuum system review
- ◆ Emergency "call out" service

On Site Training
In Plant Seminars

Register at
www.rezitech.com.au



On-site Efficiency Testing

- ◆ Pumps are tested using the Orifice Plate Method.
- ◆ The flow and vacuum generated during this process is used to plot an actual performance curve. Comparing this curve to the manufacturers' published curve gives a measure of the pump's efficiency.

Vacuum Pump Testing - Orifice Plate Method



Are your pumps wasting too much power?

- ◆ An important point to consider when testing pumps is that a poorly performing pump will be absorbing as much, if not more, power than a new pump, while adding little in the way of flow and vacuum.

◆ The extra power consumed per annum will often exceed the cost of overhauling the pump at Rezitech's workshop.



Example - Nash 904 P2

Flow: Produces approx 6,400 CFM

Power: Absorbs approx 216 kW

Operating Cost: Based on running 24 hours/day, 5 days/week, 46 weeks per year, \$0.0434/kWh.

= 216 x 24 x 5 x 46 x 0.0434

= \$51,745.00 per year.

- ◆ If pump testing at duty point (20" Hg) shows that the efficiency is only 54%, then **the pump is wasting 46% of its absorbed power.**
- ◆ Payback period based on average repair cost would be just over one year.

CALL US TODAY ON 03 8720 8600 TO ARRANGE YOUR PUMP TESTING!

...Being aware of your pumps' condition allows you to manage maintenance programs and avoid costly breakdowns...



With over 30 years experience in service and repair of all makes of liquid ring vacuum pumps, Rezitech Services is an industry leader in this field.

Our fully equipped workshops in Melbourne and Townsville have a large range of parts available.

Our vacuum services include on-site efficiency testing, repairs, replacement parts, rental & service/exchange pumps, and sales of new Flowtech and Robuschi liquid ring vacuum pumps.



Rezitech is the sole Australian distributor of Belzona® polymer products that are used extensively in the repair of pumps, valves and heat exchangers. We offer a vast range of metal, rubber and concrete repair/protection materials to industry.

A fully repaired and Belzona® coated pump will last up to 5 times longer than an unprotected cast iron unit.



No. CW62143C CENTRE LATHE
1480mm swing over bed and 4.5m between



No. SWL660 CENTRE LATHE
660mm swing and 3.0m between centres



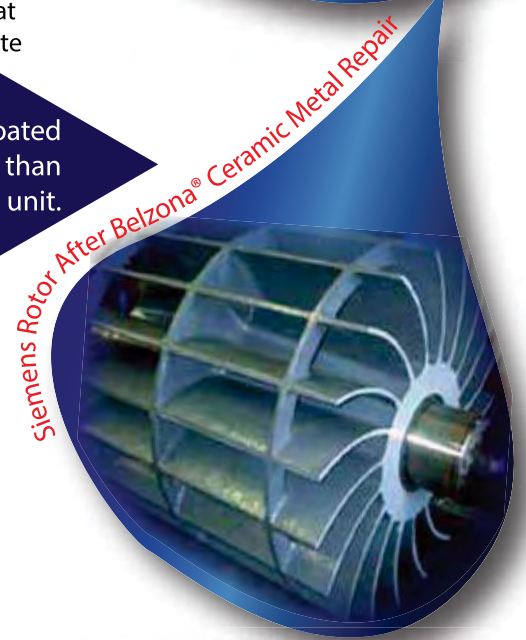
Universal Milling Machine for cutting keyways, boring, precision drilling.
Table size 1.5m x 350mm



No. CW6280 CENTRE LATHE
880mm swing and 6.0m between centres



Siemens Rotor Before



Siemens Rotor After Belzona® Ceramic Metal Repair

Workshop Facilities Include:

- ◆ 15 tonne Overhead Crane
- ◆ Wash Bay - EPA approved
- ◆ Spiral Welding Machine
- ◆ Radial Drilling Machine
- ◆ Purpose built Grit Blaster (7m long x 3m wide x 3m high)
- ◆ 40m² Coating Room (controlled environment)

RELIABILITY YOU CAN TRUST!

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