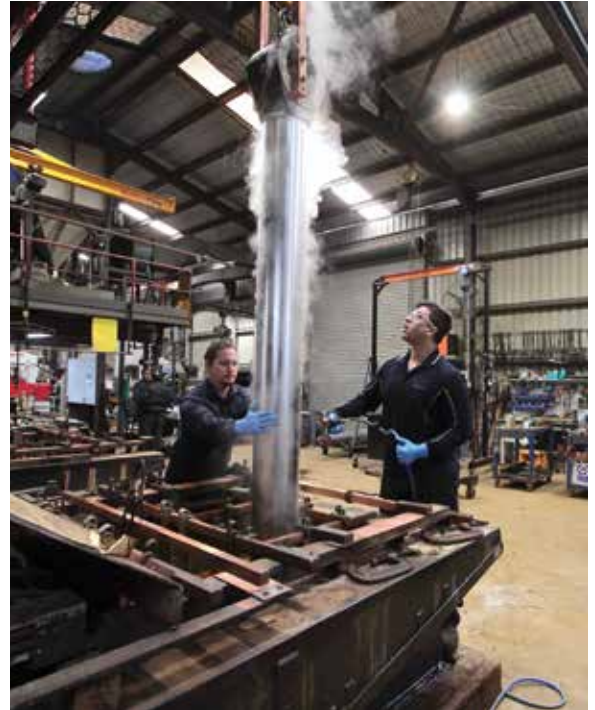
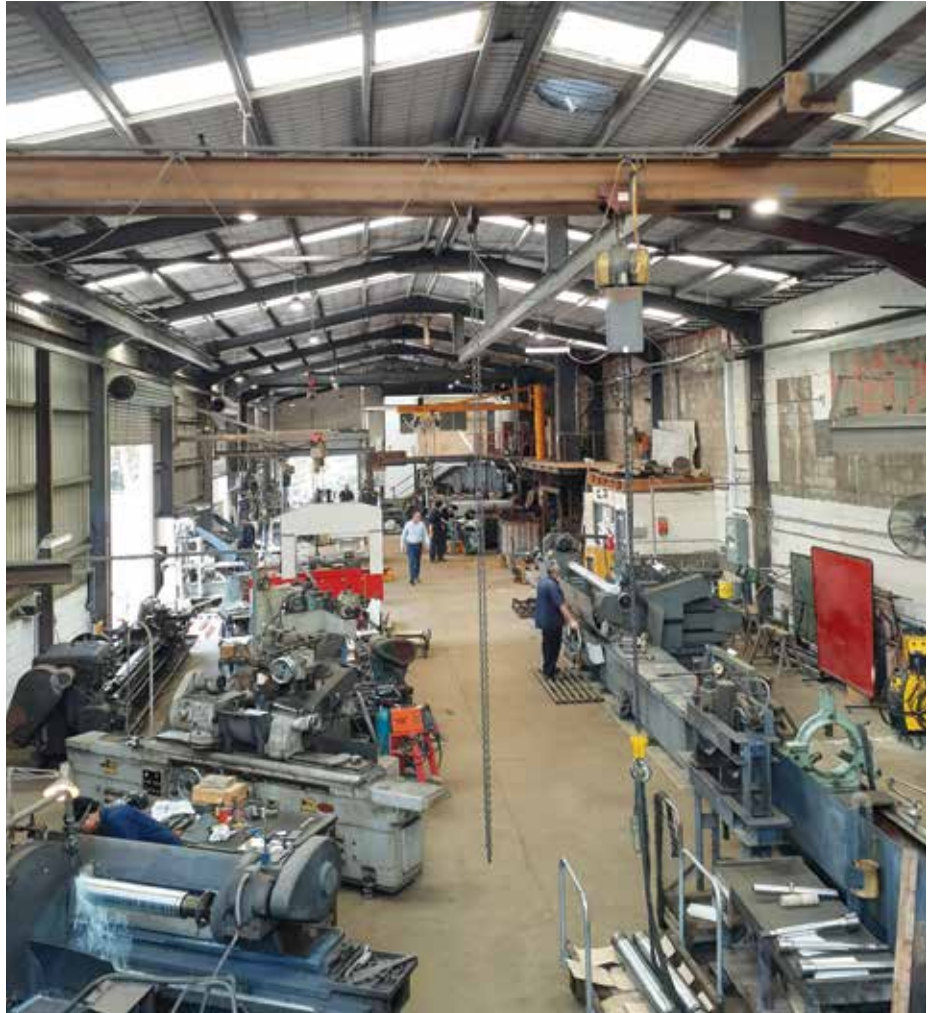


HARD CHROME PLATING SOLUTIONS



CCA
HARDCHROME 

COMPANY SNAP SHOT



CCA Hardchrome's dedicated hard chrome plating facility in Kings Park, NSW is optimised to support the needs of large scale industrial customers. From earthmoving machines to high duty cycle manufacturing machines, cranes, underground mining equipment and agricultural machines. CCA Hardchrome specialises in the resurfacing of hydraulic piston rods and other cylindrical work pieces and has the capacity to repair rods up to 4 metres in length and 600mm maximum diameter.

OUR FACILITIES



Stripping Tanks

We operate electrolytic stripping tanks in a range of sizes to efficiently remove chrome from a wide variety of pieces, including those of unusual shapes such as industrial moulds.

Max solution depth 4500mm



Sulphamate Nickel Plating Cells

Our facility operates three sulphamate nickel plating cells. Sulphamate nickel plating is applied in conjunction with hard chrome to produce a corrosion and wear resistant surface suitable for damp saline environments such as underground mines.

Max solution depth 2000mm



Chrome Plating Cells

Our facility operates seven chrome plating cells of different dimensions to accommodate a wide range of pieces of differing sizes and unusual shapes.

Max solution depth 3800mm



OUR FACILITIES



“ We can strip up to 4.5m and plate up to 3.8m ”



Cylindrical Grinding Machines

In the hands of our experienced operators, our complement of cylindrical grinding machines accurately removes worn material from piston rods and other components in preparation for plating.

Max job size 4200mmL x 600mmOD



Linishing Stations

To ensure a perfect surface finish, our linishing machines are used to sand cylindrical parts with belts of differing abrasiveness to achieve the specified surface texture and material thickness.

Max job size 4200mmL x 430mmOD



Rod Straightening Press

Our rod straightening press enables us to straighten piston rods with up to 300tn pressing force, thereby minimizing the amount of material to be removed to achieve concentricity and chrome build-up required to restore original size.

Max Force 300tn

OUR SERVICES



Hard Chrome Plating

Industrial hard chrome plating is an integral part of many industrial machine components components such as rods, shafts, rollers and pins. This material has high hardness and a low coefficient of friction, which gives it superior resistance to the abrasive and erosive wear encountered during machine operation. Hard chrome also has excellent corrosion-resistance, protecting against atmospheric oxidation and other forms of corrosion.

“Independent laboratory testing has verified our average chrome hardness in excess of 1180 HV or over 68 HRC ”



Sulphamate Nickel Plating

Sulphamate nickel plating is offered in conjunction with hard chrome plating and provides a durable, wear-resistant and corrosion-resistant surface suitable for damp saline environments such as underground coal mines. This material has a high degree of purity and density together with superior ductility and high-temperature resistance. In addition, the efficiency of the plating process makes nickel-chrome plating an economical option in situations where heavy build-up is required.



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