



COMPANY PROFILE



info@achonedtube.co.za

+27 11 900 1413-7

LEADING SINCE 1978



THE GROUP

PROFILE AND HISTORY

Inspiring Excellence in Precision Engineering



In 1978, Andre Calitz founded AC HONED TUBE, originally known as Hydrofit Engineering. Driven to succeed, Andre built his first honing machine from scrap metal over a weekend to secure an important order. From these humble beginnings, AC HONED TUBE has expanded into a leading manufacturer, importer and exporter of hydraulic tubing and shafting, now boasting a workshop space of +/-15,000 m². With a global footprint, we deliver world-class products and services, including deep hole drilling, skiving & burnishing, induction hardening, chroming, and fine-finished bars.

Our Commitment to Quality and Innovation

AC HONED TUBE has grown into Africa's foremost manufacturer and supplier of honed and unhoneed tubing, chrome shafting, and precision engineering services. Our relentless pursuit of excellence and innovation ensures that we provide unmatched quality in everything we do. With continuous expansion and a commitment to meeting your needs, we remain dedicated to delivering precision, quality, and world-class service.

Through the years we've set up a fully equipped workshop where we are able to manufacture chrome shafting up to OD:130mm. Bigger sizes up to OD:500mm can be manufactured on request.

We are still expanding to ensure that we can meet our customer's expectations and more.



AC GROUP of COMPANIES are situated in Alrode South, Alberton on a +/- 23,000 m² property with +/- 15,000 m² under roof, consisting of 12 bays with 17 overhead cranes up to 20 Ton capacity.



The AC GROUP of COMPANIES management and staff are dedicated to absolute **QUALITY** and therefore are using the best quality material available. Our staff are highly skilled and trained to provide excellent quality products and services at competitive prices.

QUALITY POLICY

"The disappointment of poor quality far outweighs the satisfaction of a low price."

With this in mind, at AC Group of Companies, we are steadfast in our commitment to delivering the highest quality products and services to the industry while maintaining competitive pricing.

Our comprehensive quality assurance program involves every level of our organization, from Top Management to all personnel, ensuring that excellence is built into every step of our process.

At AC Group of Companies, we strive not only to meet but to exceed our customers' expectations, fostering continuous improvement in everything we do.

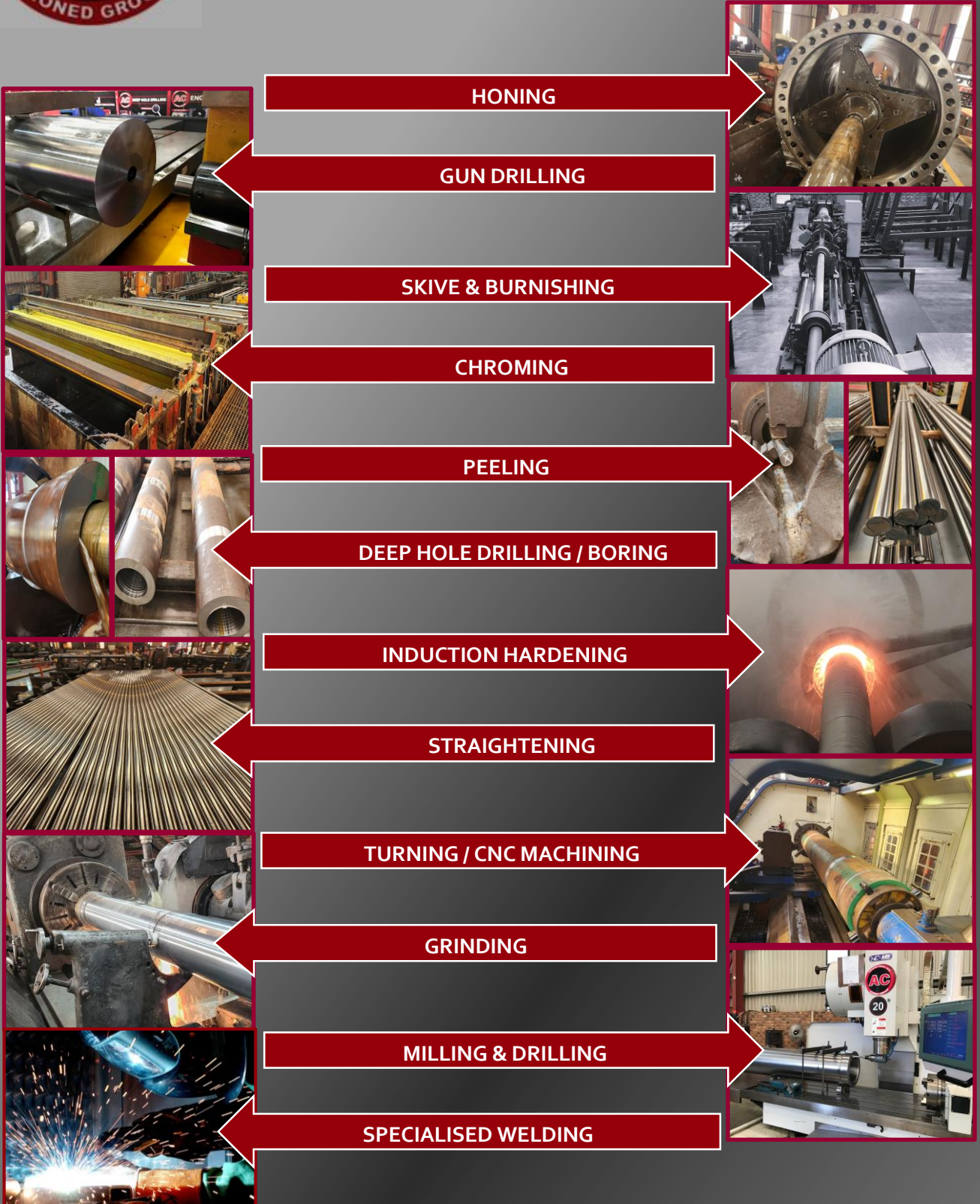
To ensure complete customer satisfaction with our products and services, AC Honed Group is dedicated to the following commitments:

- 1. Leading Innovation:** We will continue to be the leader in specialised machining, drilling, honing, chroming and special surface finishing technology across Africa.
- 2. Health and Safety:** We prioritise the health and safety of our customers and personnel through the pursuit of excellence in all our operations.
- 3. Quality Assurance:** We maintain a quality system that meets the highest standard in our industry.
- 4. Customer Satisfaction:** We will uphold our strong reputation by consistently exceeding customer expectations.
- 5. Objective-Driven Performance:** We set and achieve measurable quality objectives across all functions of our company.
- 6. Operational Efficiency:** We aim to increase profitability and quality by implementing the most advanced and efficient processes.





SERVICES





PRODUCTS



HONED & UNHONED TUBE



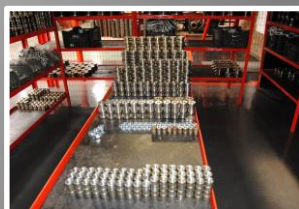
CHROME SHAFTING



GROUND BAR



TURNED BAR (any grade)



CYLINDER KITS



LARGE TUBING MADE-UP



CAST IRON





PLANT & MACHINERY

CRANES & LIFTING EQUIPMENT

- 7 X 10 Ton OVERHEAD CRANE
- 2 X DOUBLE 5 Ton HOIST OVERHEAD CRANE
- 5 X 5 TON OVERHEAD CRANE
- 1 X DOUBLE HOIST 2.5 Ton OVERHEAD CRANE
- 8 X 1 Ton JIBS (CHAIN HOISTS)
- 2 X FORKLIFTS UP TO 3 Ton
- 1 X SIDELOADER 5 Ton



CENTRE LATHES AND CNC MACHINES

- 1 X CENTRE LATHE, 11m B/C, 1100mm SWING
- 1 X CENTRE LATHE, 10m B/C, 1100mm SWING, 100mm SPINDLE BORE
- 1 X CENTRE LATHE, 6m B/C, 800mm SWING, 150mm SPINDLE BORE
- 1 X CENTRE LATHE, 3m B/C, 650mm SWING, 100mm SPINDLE BORE
- 3 X CENTRE LATHES, 4m B/C, 710mm SWING, 80mm SPINDLE BORE
- 2 X CENTRE LATHES, 3m B/C, 710mm SWING, 80mm SPINDLE BORE
- 3 X CENTRE LATHES, 2m B/C, 500mm SWING, 56mm SPINDLE BORE
- 2 X CENTRE LATHES, 1m B/C, 400mm SWING, 50mm SPINDLE BORE
- 1 X CNC LATHE, 2m B/C, 500mm SWING, 90mm SPINDLE BORE
- 1 X CNC LATHE, 2m B/C, 500mm SWING, 260mm SPINDLE BORE
- 2 X CNC LATHE, 600mm B/C, 350mm SWING, 50mm SPINDLE BORE
- 1 X CNC LATHE, 6m B/C, 950mm SWING, 420mm SPINDLE BORE



DEEP HOLE DRILLING & BORING MACHINES

- 2 X GUN DRILLING MACHINE, ID:5 mm TO ID:30mm Ø, UP TO 2.7m DEEP
- 1 X DEEP HOLE DRILLING MACHINE, ID:60mm TO ID:1100mm (MAX OD:1250mm) UP TO 10m DEEP, 1600mm SWING
- 2 X DEEP HOLE DRILLING MACHINES, UP TO 7m B/C, 600mm SWING, FROM ID:30mm TO ID:250mm (COUNTERBORE)
- 1 X SKIVING & BURNISHING MACHINE, 7.2m B/C, 500mm SWING
- 1 X DEEP HOLE DRILLING MACHINE, 10m, 1200mm SWING



MILLING MACHINES & BORING MILLS

- 4 X MILLING MACHINES, TURRET MILL
- 2 X MILLING MACHINES, UNIVERSAL
- 1 X HORIZONTAL BORING MILL, 100mm SPINDLE
- 1 X CNC MACHINING CENTRE, 2500mm(X), 850mm(Y), 710mm(Z)





PLANT & MACHINERY

HONING MACHINES

- 7 X HORIZONTAL HONING MACHINES, UP TO 20m LONG, ID:1100mm
- 8 X VERTICAL HONING MACHINES, UP TO 4m LONG, ID:400mm

PRESSES

- 2 X STRAIGHTENING PRESSES, UP TO 160 Tons, 12m LONG
- 3 X PRESSES, UP TO 100 Ton

DRILLING MACHINES

- 5 X DRILLING MACHINES, PEDESTAL GEARED
- 1X DRILLING MACHINE, RADIAL ARM, 1.5m ARM 50mm CAPACITY

GRINDING MACHINES

- 7 X CYLINDRICAL GRINDERS, UP TO 9m B/C, 1100mm SWING.
- 3 X CENTRELESS GRINDING MACHINES, UP TO OD:150mm

POLISHING MACHINES

- 3 X CENTRELESS POLISHING MACHINES, UP TO OD:120mm
- 3 X POLISHING MACHINES, UP TO 12m B/C
- 1 X SUPERFINISHING MACHINE
- 1 X CENTRELESS GRINDER AND POLISHER, UP TO OD:300mm
- 1 X NEW POLISHING (GRINDING) MACHINE 14m B/C AND UP TO OD:300mm

CHROME TANKS & RECTIFIERS

- 7 X CHROME TANKS
- 8 X RECTIFIERS - UP TO 15 000 AMPS

PEELING AND STRAIGHTENING PLANT

- 1 X PEELING PLANT, UP TO OD:130mm
- 1 X STRAIGHTENING PLANT REELERS, OD:25mm UP TO OD:80mm
- 1 X INDUCTION HARDENING PLANT, UP TO OD:240mm

CUTTING EQUIPMENT

- 12 X BAND SAWS AND POWER SAWS
- 4 X CUT-OFF MACHINES

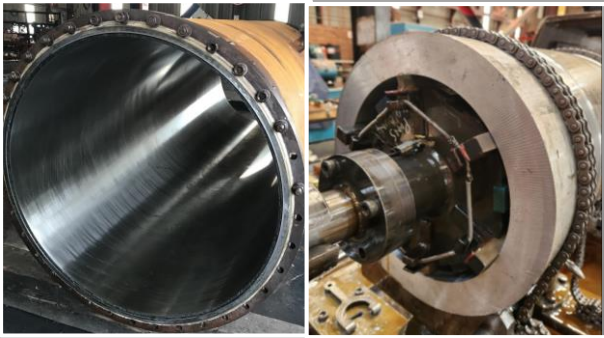




AC HONED TUBE

THE LARGEST MANUFACTURER AND SUPPLIER OF HONED & UNHONED TUBE IN AFRICA

HONING



- ID:30mm up to ID:1100mm and up to 20m long
- H9 or better on request
- Surface roughness - Ra 0.4µm max
- Boring and honing of extrusion barrels of all sizes

SKIVE & BURNISHING



- ID:40mm to ID:250mm and also ID:350mm up to 7.5m long
- The surface roughness is Ra 0.2µm max, with an extremely high support profile for reduced seal wear

CYLINDER KITS



- Cast iron gland
- Double-acting piston
- Complete set of seals and wipers
- End cap
- Nylock nut
- 2x weld on ports (bsp)

- Components are also available individually
- Any size cylinder kit, up to Ø1.2m, can be manufactured

HONED & UNHONED TUBING



- OVER +2500 Tons of tubing in stock
- From ID:30mm to ID:400mm
- All standard metric and imperial sizes

QUALITY COMES FIRST



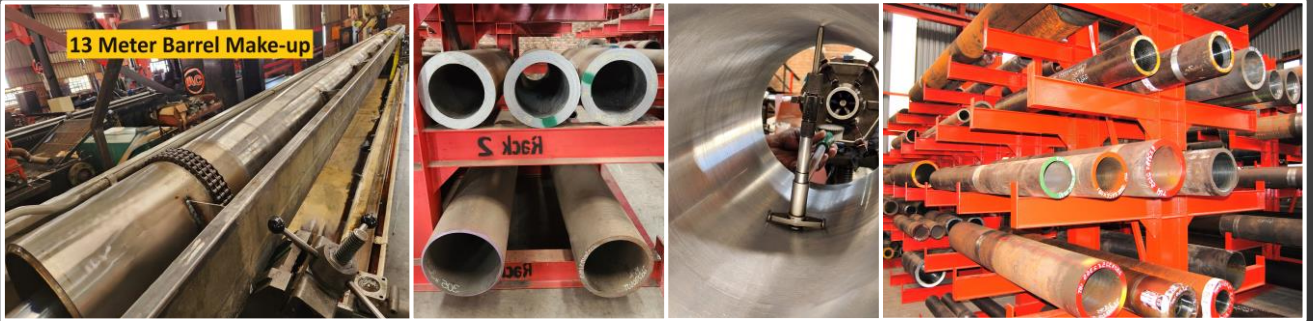
All components are inspected during manufacturing and before dispatch. Test certificates and inspection certificates are available on request.

A CYLINDER SURFACE
CAN NEVER BE TOO
SMOOTH



AC HONED TUBE

MAKE-UP TUBING & REPAIRS



- Make-up of complete cylinder barrels or re-tubing of existing cylinders, any make and size
- We supply hone after weld tubing to ensure an accurate size after welding
- Any non-standard tubing (up to ID:1.1m x 12m long) can be made up
- Large tubing is made up and stocked to save make-up time, up to ID:400mm in metric and 16" in imperial. All sizes of tubing can be made upon request

CAST IRON



- All standard sizes

TUBING - CUT TO ANY LENGTH



Up to OD:400mm capacity





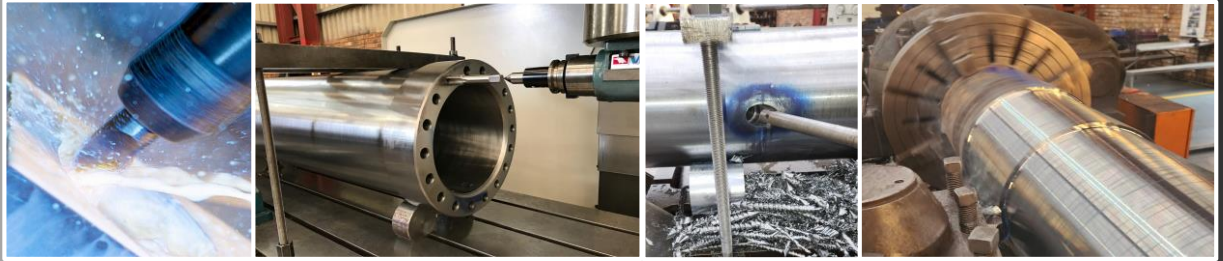
ENGINEERING

CNC MACHINING



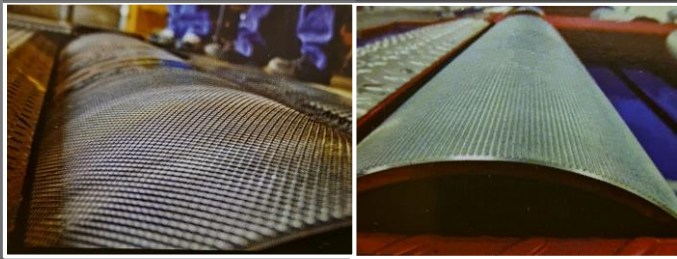
- 6m between centres
- \varnothing 420mm spindle bore
- \varnothing 1250mm swing over bed

TURNING, MILLING & DRILLING



- Turning: \varnothing 1250mm swing over bed, up to 11m between centres
- Milling: up to 2500mm(X), 850mm(Y), 710mm(Z)

ROLLERS FOR ALL INDUSTRIES



- Precision Rollers for all industries can be manufactured
- Rollers are finally grinded to correct specification

FULLY EQUIPED TOOL ROOM & SPECIALISED WELDING



Skilled technicians to repair and manufacture all types of special tools and dies



DEEP HOLE DRILLING



AC Honed Tube's Gun Drilling Machine

- Centre and off-centre (PCD) drilling.
- From ID:5mm up to ID:30mm
- Depths of over 2700mm
- Lengths of over 5000mm if drilled from both ends



DEEP HOLE DRILLING

Over the course of more than forty-five years, the AC GROUP of COMPANIES have built up vast experience and knowledge of various fields in and around the hydraulic industry, including all the engineering processes involved in the manufacturing and servicing of hydraulic components. We've become the best in class.

We have invested an enormous amount of time and resources to develop different methods of DEEP HOLE DRILLING. AC HONED TUBE has taken the lead in the development of DEEP HOLE DRILLING in South Africa. We are proud to see others following in our footsteps by using our techniques and learning from our lessons and mistake that was made over the years.

Through the years we have added several deep hole drilling machines to increase our range and capabilities even further as a leader in DEEP HOLE DRILLING. These machines were specifically designed and built for AC Honed Tube, to service the needs of our local and international clients. AC Honed Tube now has a total of seven deep hole drilling machines with numerous sizes and heads.

- Up to 20 Ton load bearing
- Up to 1100mm drilling/boring diameter
- ID:300mm can be drilled straight from solid up to 8m deep
- Steady up to 1200mm with 1600mm swing over bed



AC HARD CHROME

REPAIR & MANUFACTURE OF ALL TYPES OF HYDRAULIC SHAFTS



MAKE-UP & REPAIRS



- Up to OD:1100mm, up to 15m long
- Honed (ID) and Chromed (OD). Stages and telescopic cylinders can be made up
- Shafts are repaired to f7 tolerance or to customer requirements

GRINDING & CHROMING



- Grinding and chroming of shafts up to OD:1100 and 14m long
- Polishing up to 14m long

SPECIAL COMPONENTS



- ID & OD grinding & chroming
- Journals – grinding & chroming
- Etc.

Internal grinding



- Internal grinding and Hard Chroming ID:800mm up to 2.5m long



FINE FINISH PRODUCTS

STOCKED ITEMS



- Chrome stock – CK45, EN8, EN19
- Induction Hardened Chrome Stock CK45, EN8, EN19 – f7 tolerance
- Chromed Hollow Bar
- Peeled and Polished Bar h9 tolerance
- Ground Bar – f7 tolerance
- Any other material types can be made upon request
- Average surface finish – Ra0.2µm



PEELING PLANT



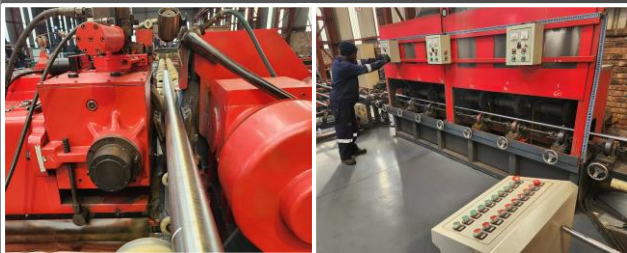
- Up to OD:130, up to 12m long

CHROMING PLANT



We use an advanced chroming process on all our chrome stock that improves corrosion and wear resistance and has a much better quality, lifespan and rust resistance than conventional chroming

CENTERLESS GRINDING & POLISHING



- Up to OD:300mm

STRAIGHTENING



- Up to 160 Ton press capacity
- Shafts up to OD:250mm, 12m long
- Straightening reelers up to OD:120mm, 12m long



COMPONENTS

MASS PRODUCTION OF HYDRAULIC COMPONENTS



CNC & GENERAL ENGINEERING



INTERNAL SALES TEAM



Contact our dedicated internal Sales Team with your enquiry

achsales03@achonedtube.co.za
achsales04@achonedtube.co.za
achsales08@achonedtube.co.za
achsales09@achonedtube.co.za
chrsales02@achonedtube.co.za
ffpsales01@achonedtube.co.za



THE GROUP

Industries We Serve

EARTH MOVING



MINING



SHIPPING



AGRICULTURE



AEROSPACE



TRANSPORT



OIL



ELECTRICITY



DRILLING



DEFENSE

