

Oil & Gas Industry Supplies

Mechanical & Lathe Works



شركة مکة هیدرولیکس ذ.م.م.
MAKHA HYDRAULICS Co. W.L.L

THE BEST TECHNIQUE AND MACHINERY WORKSHOP





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About Us

MAKHA HYDARULICS COMPANY has been involved in the Hydraulics parts and repair, Pneumatic, Hydraulic controls machinery and lathe service business since 2009. We are guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value.

Our vision is to keep our commitment of providing quality products paired with exceptional "service beyond expectations" At Makha Hydraulics company, we are continuously expanding our capabilities through our vast and high quality product lines, knowledgeable personnel, innovative technology, and unprecedented service. We are proud of our 1000+repeat clients who continue to utilize Makha because they know we go the extra mile.

Quality Assurance

MAKHA HYDARULICS commitment is embodied in its quality assurance policy to maintain and meet the challenging customers requirements and exceptions. It provides the best performance and value in the products and services.

The maintenance of a desired level of quality in a service or product, especially by means of attention to every stage of the process of delivery or production.

We may not be able to predict the future, but we can guarantee that we will be the best prepared to help you handle any situation that happens to arise. We stand ready to try harder and work faster than anyone else in the Industry, and provide you with the confirmation that your pneumatic and hydraulic supplier is ready to offer solutions, 24 hours a day, 7 week, 365 days out of the year.

Mission Statement

Makha Hydraulics Company, we are dedicated to total client satisfaction in their specific product and service requirements. We provide application Engineering expertise, high quality products, and fully customizable systems for operation in all Industries.

Product List

Hydraulic Hoses

Industrial Hoses

Hydraulic Fitting & Adaptors (MS, SS)

Brass Fittings & Connectors

Quick Release coupling & Threaded couplings (Pneumatic & Hydraulic)

All Types of Pneumatic Fittings & Valves

Camlock Fittings Aluminium & Brass

Baur Coupling & Storz Coupling

GI & SS Fittings

Mechanical Seals

Hydraulic Seal

Oil Seal

O'Rings & O'Ring Kits

Steel Tubes & Copper Washers

Gasket Sheets

Radiator Hoses

Nylon Tubes

Filters For Oil, Fuel, Air and Hydraulic

Steel Tubes, Hose Clamps and Circlips

Belts (Timing, Variable & V Belts)

All Types Pressure Guages

All Types valves (Ball Valve, Gate Valve, Check Valve, Butterfly Valve)

All Types Bearings

Professional Tools

Mechanical Division

New Hydraulic Cylinder fabrication

Hydraulic Jack Repair with Testing

Hydraulic Pump Repair with Testing (Gear Pump, Piston Pump, Wayne pump etc...)

Hydraulic Flow Direction Control Valve Repair

All Hydraulic Services for Forklift, Excavator, JCB, BOBCAT, Crane, Compactor, Roller etc..

Hydraulic Flow control testing

All Heavy vehicles gear box repairing (Automatic & Normal)

Heavy vehicles engine overolling (Man, Scania, Nissan UD, Volvo,

Renault, Hino, Benz, TATA etc...)

Lathe Division

Crankshaft Grinding , Stroking and Polishing , Reboring , overboring , Sleeving and

Cylinder Honing ,Line Boring , Reaming and Line Honing , Surface Grinding , Cylinder Head

Reconditioning, Crome Bar Bend Leveling, Drum Cutting, Spindle Work etc...

Hydraulic Hoses

EATON - Turkey

SEL - Turkey, GOODYEAR - USA

Hydraulic Hoses (skive and non-skive) from 1/8" "to 2" Id with low, medium, high and extra high working pressure confirming to SAE100 R1AT, R2AT, R2AT, R9R Series and DIN 4SP, 4SH, R13 & R15 Series.



Hydraulic Fittings & Couplings

TIEFFE - Italy

Vitillo - Italy

Two piece fittings with micro-alloy steel meets SAE, DIN, GAZ, BSP, MIL spec and OEM requirements to increase pressure ratings and reduce minimum bend radius. Available in MS & SS 316.

Couplings are devices which permit easy, immediate connection and separation of fluid lines. Couplings are available from 1/8" to 2" size in steel, Brass and stainless steel.



Industrial Hoses, Hose Assemblies & Couplings

ALFAGOMMA - Italy, NCR, Cidat-Italy, SEL - Turkey, SUNNY Hose - Hongong

Various Industries using different types of industrial hoses for their applications depends the nature of application and material to be transferred. Good quality industrial hoses are always the added advantage to the end users.

Wide range of Industrial hoses are in our stock such as Air, water, Hydro Carbon, Chemical, Steam and concrete available from "1/2 to 8" sizes.

PVC flat discharge hoses, PVC Green suction hoses and composite hoses also part our stock.



Pneumatic Fittings & Hose Clamps

Pneumics fittings - Holland

Wide varieties of pneumatic fittings are used in low pressure lines and we are stocking the push in fittings, airline filters, air regulators, lubricator, air dryers and accessories in our range of products.



Instrumentation Fittings, Valves and SS tubes & Camlocks

- INTEVA - Spain
- OMFB Gear Pump - ITALY
- Custom Fittings - UK
- Pegler Valves - UK

Instrumentation tube fittings are designed secure leak proof joints on a variety of tubing of fractional or metric outside diameters. Size range is 4 to 25mm (1/8" to 1"). The fittings are manufactured in 316 stainless steel. Instrumentation pipe fittings are designed and engineered for process control and instrumentation connections between pipe sizes and tube sizes.

An unrivalled range of instrumentation needle valves and manifolds suitable for high pressure, sour gas, low temperature and vacuum services.



O Ring, Oil Seals & Bearings

BEST Ring - Taiwan
TTO Oil Seals - Taiwan
Bearing NSK - Japan
Bearing SKF - Japan
Bearing FYH - Japan

Industrial Seal and bearings have to be to withstand tremendous amount of friction in a very hostile environment containing dust, smoke, heat, ashes and other destructive contaminants. These heavy - duty bearings are used in road construction, earth-moving, mining and lifting etc.



Fuel, Oil & Air Filter

SAKURA - Indonesia
ALCO - UK
BALDWIN - USA

We provide the world's best filters for all kinds of machinery cars, trucks, tractors, hydraulic equipment, windmills and more.



Pressure Gauge & Belts

(Timing, Variable & V Belts)

A pressure guage is a common component in operations from various industries across the world. We provide Standard pressure gauge are suitable for measuring the pressure of liquid, Pneumatics, Air compressor, Vaccum pump, Pressure air regulating, Testing equipments, etc.



GI & SS Fittings

Our exclusive range of G.I. Pipe Fittings, metal, cast iron, steel and are high in performance and low on maintenance. They are offered at market leading prices and are supplying to the specifications and requiements of our valued customers.



Steel Tubes & Copper Washers

We provide Copper, Steel tubes are available in coils and straight lengths, tubing is joined using flare connection, compression connection, or solder. Copper offers a high level of resistance to corrosion, etc.



Hose Division

Crimping is joining two or more pieces of metal or other ductile material by deforming one or both of them to hold the other. Our workshop Crimping facility from 1/8" up to 4" with pressure testing.

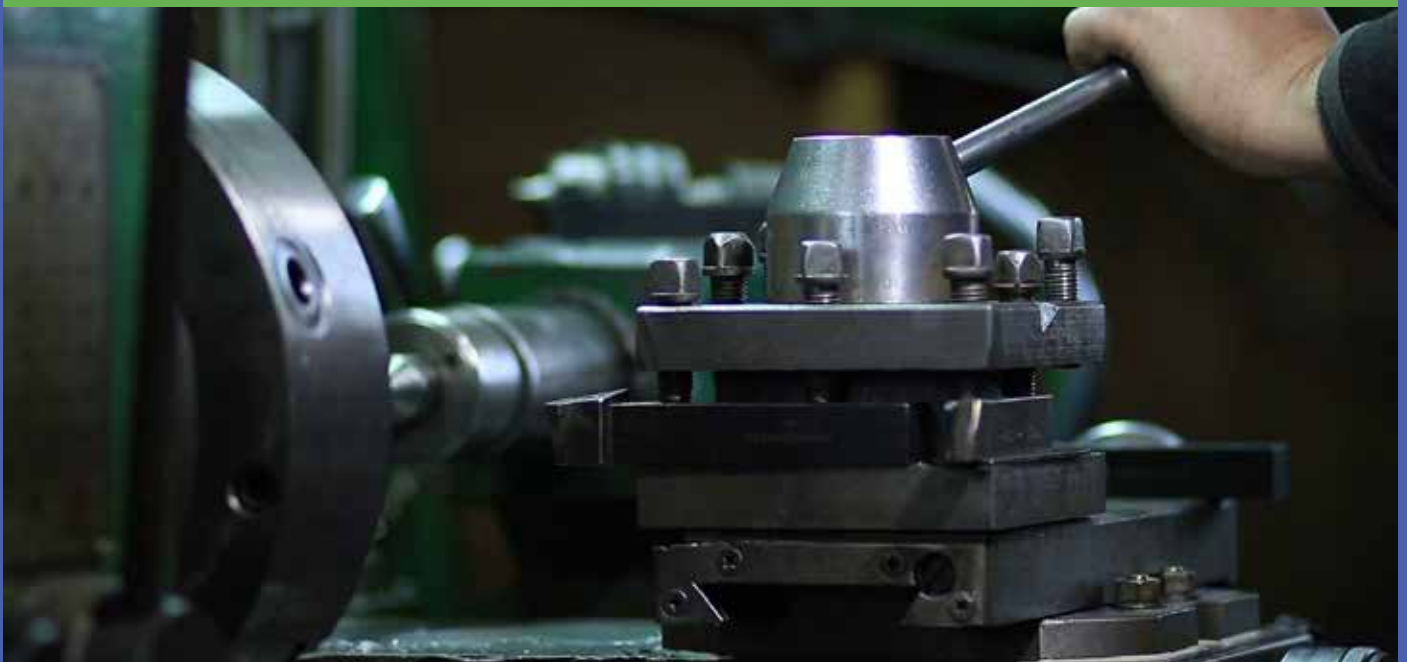


Lathe Division

The lathe is machine tool used principally for shaping articles of metal by causing the workpiece to be held and rotated by the lathe while a tool bit is advanced into the work causing the cutting action. The basic lathe that was designed to cut cylindrical metal stock has been developed further to produce screw threads, tapered work, drilled holes, knurled surfaces, and crankshafts. The typical lathe provides a variety of rotating speeds and means to manually and automatically move the cutting tool into the workpiece. Machinists and maintenance shop personnel must be thoroughly familiar with the lathe and its operations to accomplish the repair and fabrication of needed parts.



Our machine shop is equipped with machines like general purpose lathes, Drum cutting, Milling, Grinding machines, bush cutting, Hydraulic press, Hydraulic cylinder Boring machine and all required tools. Our range of lathe machines are ideal for light as well as heavy duty jobs





The full power of a hydraulic press can be delivered at any point in the stroke

Hydraulic Press Removes all types of Bushes, Bearings Etc...
Crome shaft bend leveling



Our range of lathe machines are ideal for light as well as heavy duty jobs and are suitably used for all sliding, surfacing and screw cutting operations like Iron and steel, these machines provides excellent functionality



Drum cutting, Disc Polishing, Milling, Bush cutting, thread cutting Hydraulic cylinder boring Popular shaft making, spindle work, valve spools making Etc...



Welding process can be classified as :
Gas welding - Hydrogen gas welding. Arc welding - Metal arc welding(SMAW), Gas metal arc welding, (MIG, MAG) Tungsten inert gas welding, (TIG)

Engine Rebuilding Division

Crankshaft Grinding , Stroking and Polishing , Reboring , overboring , Sleeving and Cylinder Honing ,Line Boring , Reaming and Line Honing , Surface Grinding , Cylinder Head Reconditioning , Modifying and Flow Bench Testing , Static and Dynamic Balancing , Tuftriding , Bead Blasting , Helicoil Inserting , Degreasing , Con Rod Honing and Reclamation , Engine Building.

CRANK SHAFT GRINDING MACHINE - 1700



Digital Display for grinding head movement, work head speed and table speed movement



Strong & rigid steady rest



Accurate radius dressing mechanism

VERTICAL CYLINDER FINE BORING MACHINE - CB 1500V



In boring spindle, you can take up the tool setting micrometer, for advantage accurate repeatable tool setting.



Easy & quick bore centering and machining positioning is possible with in built dial indicator

VERTICAL HYDRAULIC SURFACE GRINDING MACHINE - SG 1800

This machines are very compact, rigid and also have variable milling speeds, and hydraulically operated table mounting.



Easy & perfect angle of wheel setting mechanism

CONNECTING ROD BORING MACHINE - RB 500

Con-rod boring machines is solid & vibration free structure, main advantage is speed & feed is variable, accurate tool setting in microns, and excellent boring finish.



Digital Display is the friendly feature for quick identification of boring speeds.

LINE BORING MACHINE - LBM 1500



Tool setting micrometer device with magnetic base, for tool setting accurate repeatability



Centering of job on the machine could be very fast with the dial indicator

Mechanical Division

We have been dealing with Hydraulics for over 9 years. We are always provided you an excellent service and been on hand to offer a very good technical backup, either by way of site visits or products referencing and identification over the phone. We would recommend Hydraulics online to anyone looking for the total hydraulic solution.

The engine is a sensitive piece of machinery, powering your vehicle to get you from point A to point B. Modern engines are also referred to as internal combustion engines; they work by heating and combusting fuel inside to move your vehicle by powering pistons. The main outer portion of the engine is called the engine block, it is a large structure with large cylinders where the pistons can move inside as the engine is powered. Cylinders, and other passages built into the engine, allow coolant to flow, which in turn, cools the engine as it works.



ALL HYDRAULIC SERVICES FOR FORKLIFT, EXCAVATOR, JCB, BOBCAT, CRANE COMPACTOR, ROLLER etc....

DEASEL AND PETROL HEAVY VEHICLES ENGINE OVERROLLING WITH LATHE WORK (JCB, BOBCAT, CASE, CAT, MAN, SCANIA, etc...)

HEAVY VEHICLES GEAR BOX REPAIRING

Hydraulic System

The purpose of a specific hydraulic system may vary, but all hydraulic systems work through the same basic concept. Defined simply, hydraulic systems function and perform tasks through using a fluid that is pressurized. Another way to put this is the pressurized fluid makes things work.

The power of liquid fuel in hydraulics is significant and as a result, hydraulic are commonly used in heavy equipment. In a hydraulic system, pressure, applied to a contained fluid at any point, is transmitted undiminished. That pressurized fluid acts upon every part of the section of a containing vessel and creates force or power. Due to the use of this force, and depending on how it's applied, operators can lift heavy loads, and precise repetitive tasks can be easily done.



HYDRAULIC FLOW CONTROL VALVE REPAIR WITH TESTING

HYDRAULIC PUMP (PISTON, GEAR) REPAIR

HYDRAULIC JACK REPAIR WITH TESTING

HYDRAULIC SEALKITS etc...





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