

Ensuring Efficiency Across Production Industries



















Our Vision

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nch/mn

Our Vision is to be the leading distributor of Engineering items in the region to all the production areas with high quality products and services, delivering customer value with value added packages & to lead with innovation with the latest solutions to the industries fuelling growth with productivity, providing a long term profitability and viability to the organizations

We Consider our presence in the market today and where would like to be tomorrow and keep detailed customer knowledge and focus on technical and commercial functions

Our Mission

We strive to earn recognition and confidence of our customers and business associates by satisfying their expectations.



Reliable Professionalism

We are an industrial trading Company with operations in UAE to stock and distribute specialized engineering related products and solutions. With our worldwide supplier network, we stock and distribute products to all the industry types and we cater to all major continuous production factories, engineering, hospitality & precise industries. We have the expertise and resources to address the technical and commercial issues.

We compound, blend and source Lubricants world wide for day-to-day applications with **our** Offices are located in Dubai & Northern emirates for coverage to the whole sector. We market and distribute products with our storage and distribution facility in house and capable of taking challenges to meet the demands of supply.

We use a thoroughly integrated computer tracking system with specially designed software, **our** service staff can assist customers with placing orders, estimating delivery times, providing **sales** history, and helping project needed inventory levels - all in minutes.

Adding to the Division of supplies to the industries we have also established our equipment's and spares division to where the past meets with the future.

OUR PRODUCTS

- Air Operated Pumps
- CNC Machines & Spares
- Vacuum Cleaners
- Vacuum Pumps
- Measuring Devices & Tools
- Automotive Lubricants
- Industrial Lubricants
- Industrial Greases
- Food Grade Lubricants
- Screw Compressors
- Oil free Compressors
- Conveyors & Chains
- Quick Release Fluid &
- Gas Couplings
- Auto Lubricators
- Fluid Mixing Stations

OUR SERVICES

- Ease of supply
- Logistics & inventory
- Product training
- Lubrication training
- Lubricant Maintenance
- Open Gear Services
- Compressor Service,
- Installation & AMC contracts
- Technical services
- Filters & Condensate Management
- Vacuum Pump Sales and Service
- CNC Machines Repair and Service
- Coolant Inspection & Service

TECHNICAL SERVICES

- Our staff of grease specialists is available to assist with all of your technical needs
- Support with field trials Application evaluation & troubleshooting
- Product recommendations
- Consultations with customers
- Site Inspection for Capital Equipments
- Customised solutions along with service

We have strived to create similar products within the same category. Recognizing the opportunity and knowing our target demographic we have a list of equipment's and spares applicable in the target market we concentrate, Our product line consists of a set of products that relates to one another and we are still in the look out to add new lines

Our Product Depth allows our clients to be satisfied with their request. We consult & consolidate your industrial needs.

Screw Compressors

FROM 4 KW TO 500 KW

One of the leading compressed air technology system having decades of experience in premium products in the compressed air sector.

Sophisticated compressor technologies from Compressor, Breathing Air Compressors, Oil free compressors, Refrigeration Dryers, Adsorption Dryer, After market filter and Service. The latest technologies combine excellence with the quietest possible running performance, optimal energy efficiency and particularly careful conservation of resources.

ALMIG

ALMir

ALMIG

- Maximum reliability in continuous operation
- Minimise operating costs with energy-efficient compressors
- A comprehensive range of screw compressors
- The right drive concept for any application

V Drive, G Drive & F Drive Series

A solution for all industrial requirement. Compressor output with endurance and speed control

30-75 KW

COMBI Series

The cost-effective 4-in-1 compact system 4-37 KW

VARIABLE XP Series

Energy saving with SCD technology **16-355 KW**

BELT XP Series

Reliable and Powerful for versatile applications. **4-37 KW**

Oil Free Compressors

Piston Compressors

Oil lubricated Piston Compressor. Oil free Piston compressor **2-15 KW**

FLEX Series

Compact, quiet & powerful **5.5-30 KW**



LENTO Series

Benefits

Oil-free compressed air of high quality **15-130 KW**



Nitrogen generator systems are perfect for anyone who wants their own flexible and reliable supply of nitrogen without

exactly where you need it, when you need it.

Avoid Logistics and Management ProblemFaster Payback period within 1Year and lesser

compromising on quality. NitroGen Generators allow you to produce the gas

• Avoid Cylinder Availability Issues

Eliminate safety risk associated with handling high pressure cylinders
Can also be used as Mobile application
Avoid unused gas in the cylinder

• Produce as per Demand

Nitrogen Generators

With Sales and Service



Recommended installation is for On-site Gas Generation as per below.



As per ISO-8573.1 Class 1-5-1

Air Controllers

The very latest mocro processor and communications technology is used, guaranteeing you seamless integration of all compressor models as well as the entire range of accessories.

Smart Monitoring, Reliable Documentation

Air Control Mini Air Control B



Air Control P

Air Control HE



Receiver Tanks

We supply both horizontal & vertical Compressed Air Receiver Tanks rated from 11-48 bars with standard capacities from 100-5,000 Ltr

Total Filtration Solutions

A complete line of refrigerated compressed air dryers, adsorption and membrane dryers to meet any specific air quality requirements and system solutions. The modularly designed processing ranges offer individual customer solutions, and therefore guarantee the highest efficiency.

Compressed Air Filters

Compressed Air must be dry, free of oil and clean to avoid expensive production breakdowns. Petrotek provide total filtration solutions to reduce your energy costs, improve your productivity, guarantee production quality and help protect the environment.

Cyclone Separator

Donaldsor

Donaldson

Donaldson





Sterile Steam Filters

Protect Critical Applications

Our high-quality stainless steel filter housings and elements provide excellent filtration and purification of steam necessary for culinary steam and clean steam applications.

Filter Regulator & Lubricator Units

Filter Regulator & Lubricator Units for use in Pneumatic Compressed Air Systems with Die Cast Aluminium Body and Poly Carbonate Bowl



Condensate Drains

UFS-SP N oil/water separator & Ultramat UFM-D Zero-Loss Drain







Process Filters

Process liquid filter housings and elements - Stainless Steel housings for filtration of almost all kinds of Liquids.



Air Dryers

Refrigeration Drying.

Adsorption Drying.





Typical Applications









Breweries



Soft Drinks





Food Industry

Industrial Lubricants

We Consult & Consolidate All your Industrial Application Needs.

As we advance to the forefront as one of the premiere lubricant companies in the country, you can count on us to continue to further our development efforts to create new products that slow the wear and tear that tools and machinery suffer from regular use.

- Anticorrosive Protectants
- Cutting Oils Soluble & Neat
- Fire Safe Lubes
- High Temperature Lubes
- Bio Degradable Lubes
- Synthetic Lubricants
- Poly Glycol Lubricants
- Mould Release Oils
- Graphite Lubricants
- Marine Lubricants
- Air Lubes
- Slide Lubes
- High Temperature Greases
- High load Greases

- Vaccum pump oil
- Gear Oils
- Food Grade Lubricants
- Turbine Oils
- Hydraulic Oils
- Industrial Oils
- Engine Oils



• Synthetic Lubricants

PETROTEK

- Open Gear Lubricants
- Air Compressor Lubricants
- Transmission Fluids
- Fuel Supplements
- Wire Rope Lubricants
- Oven Chain Lubricants

Bio Degradable Oils

Due to the increasing awareness of the environmental impact of the large volume of lubricants entering the environment, mineral - based lubricants are being gradually replaced by biodegradable fluids. The use of environmentally considerate lubricants is of increasing importance, where the risk of spillage is high.

- Bio Degradable Hydraulic Oils
- Bio Degradable Gear Oils
- Bio Degradable Marine Refrigeration Oils
- Bio Degradable Degreasers
- Bio Degradable Cutting Oils

Fire Resistant Oils

Full range of Fire Resistant Hydraulic Fluids has been developed to reduce fire hazards and are ideal to use in mining, die-casting, steel mill, aluminium plants and aviation applications, where there are high temperatures or pressures.

We supply Fire-resistant hydraulic fluids

- Oil-in-water emulsions
- Synthetic, water based solutions
- Water-in-oil emulsions
- Water-based monomer and polymer solutions
- Water-free fluids

Speciality Greases

Technically advanced and processed speciality greases for critical applications like extreme temperatures and heavy loads with synthetic and poly urea bases in different pack sizes and with related greasing equipment available as ex stock.



Oil Drainer Pnuematic

Mobile equipment and Pnuematic system. Deposit of 90L and suction capacity of 90 liters. Clean and efficient drainage



Pnuematic **Oil Pump**

Pnuematic oil pump for 200 litres drum with 1:1 ratio Low viscosity fluids. Components of excellent quality to optimize the life of the product and to minimize repairs and maintenance.



Grease Pumps Pnuematic Grease 20kg without drum. 4 wheels mobile

Pnuematic

eauipment.

design.

Superior quality



Electric **Oil Pump**

Electrical pump for three phase and single phase. Capacity varies from 25 litres to 50 litres. Automatic pressure switch is available.

Cutting Oils

Industrial - Cutting and Grinding Fluids

- Aluminium Cutting Oil
 - Neat Cutting Oil
- EDM Oil

BIODEGRADARI F

- Honing Oils
- Environmentally Friendly Cutting Oils
- Cutting Oil Maintenance
- Water-miscible coolants
- Ultra grinding Fluids •
- Ultra Cool Semi Synthetic Coolants

Coolant & Service

- Odour control Tablets
- Ph Meter
- PH strips
- Refractometer

Fluid Management Systems

- Coolant Mixers
- Oil Skimmers
- Oil Vacuum Machines

Lube Equipments

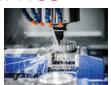
- Grease Pump
- Grease Guns
- Automatic Lubricators

Manual **Grease Pump**

Equipment is portable. With weight of 10kg. With follower plate, grease hose, grease gun and grease nozzle.

Drum Pumps

FM Approved Pump with 8' Anti Static Hose, Nozzle, Nozzle Holder, Vacuum Breaker. and combustible liquids.





Pnuematic Oil Dispenser

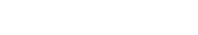
Pnuematic Oil Dispenser for 58 L drum. Pruematic Oil Dispenser 3.1 On drum Two wheels mobile equipment





Adblue Transfer System

AC Diaphragm pump with lightweight non-corroding polypropylene body is designed to transfer Diesel Exhaust Fluid from a Drum/Tote to smaller container/ engines etc.





Flame Arrester and For use with Class I & Class II flammable

Rotational





PETROTEK FOOD SAFE LUBRICANTS

For The Food, Feed & Pharma Industries

Specialised products at highly competitive prices, that meet the requirements of specific applications, and a full selection of lubricants as listed for the food industries. These No-Tox Food Grade products are NSF H1 registered for use in applications where incidental food contact may occur.

Food Grade Lubricants

Our products meet the FDA Regulations

- Food Grade Greases
- Clear Greases
- White Greases
- Greases for Central Lubrication systems
- Food Grade Oils
- Hydraulic Oils
- Synthetic Oils
- Compressor Oils
- Vacuum Pump Oils
- Gear Oils
- Industrial White Oils
- Mould Release Oils
- Knife Lubricants & Divider Oils
- Pneumatics & Airline Lubricants
- Food Grade Chain Lubrication
- Conveyor Chain Lubricants
- Bakery Oven Chain Lubricants
- Extreme temperature & high load lubricants

Chain Lubricant

Food grade & high temperature operations need high quality products and we supply a range of options to meet the needs of many different industries. We stock the complete package of solutions for high end applications both in mineral types or synthetic chain lubricants based for nearly all applications.



Industrial White Oils

White mineral oils are among the most versatile petroleum products and are used in a wide variety of applications. Because of their extreme purity, these oils may be employed where only highly refined products are suitable from pharmaceuticals to cosmetics to plastics to food processing, Petrotek offers white pharma oils that meets the FDA regulations in stock and in different pack sizes. Please contact our dealers for further details.

Quick Release Couplings



For highest demands of quality, reliability and service life and manufacturer of quick couplings made of plastic, brass, aluminium, steel and stainless steel offers a wide and innovative range of quick connection solutions for pneumatics, water or hydraulic

Air Operated Pumps

Air operated double diaphragm pumps Automatic pulsation dampers Horizontal centrifugal pumps with mechanical seal series and magnetic driven series, vertical centrifugal pumps series. Pumps for industry, used in various fields: chemical, petrochemical, graphic, flexographic, ecological, electroplating, leather tanning, paper, food, textiles, ship building, mechanical, ceramic.

Pneumatic diaphragm pumps

Our products are compliant with ATEX Regulations

- Pneumatic Diaphragm Pumps ATEX
- FDA pneumatic diaphragm pumps
- Peristaltic Pump
- Magnetic Drive Centrifugal Pumps
- MIXER
- Drum pumps
- Pulsation dampeners
- Dosing Pumps

oils, gases and other fluids including various solutions for multi coupling technologies as well as tool changers for industrial robots. The extensive product range of quick couplings and multi couplings with more than



- Mono Coupling
- Multi Coupling
- Docking Systems
- Tool Changing Systems
- Cartridge Coupling Elements

400.000 variations covers a broad spectrum today: nominal widths from 2 - 300 mm (1/16 - 12"), pressures from vacuum up to 3000 bar (44,000 psi), permissible temperatures from < 253°C (423°F) upto > 800°C (1,470°F)



CNC Machines & Spares

ONSRUD

We deal with wide varieties of spark EDM ,CNC wire cut and CNC vertical machining centres. Electrical discharge machining, also known as wirecut/die sinker EDM is typically used to make punches, tools and dies from hard metals that are difficult to machine with other methods.

Xpert 1/2

It is a die sinker CNC EDM used to create complex cavity shapes in tool and die applications.

- X x Y x Z : : 400 x 300 x 300 mm (Xpert 1)
- 800 x 600 x 400 mm (Xpert 2)
- Work tank : : 900 x 600 x 350 mm (Xpert 1)
- 1800 x 1000 x 600 mm (Xpert 2)
- 'No flush- No arc' machine
- Definable erosion axis
- ATC and Integrated C axis (optional)
- Moving head, fixed table
- High-speed jump 3000 mm/min.
- Built-in 'GURU'
- Drop door tank (Xpert 2)
- Canned orbiting cycles



Sprintcut Win Plus

It is a CNC flush type wirecut EDM machine using the epulse technology.

- X x Y : 300 x 400 mm
- Max. workpiece height : 250 mm
- Max. table size : 440 x 650 mm
- 2 Max. Cutting speed : 170 mm /mm
- 0 Taper : ± 30 over 50 mm
- Best surface finish : 0.8 µ Ra
- 1 4 / axis control (Z axis on display) 2
- Long life mineral bed filtration



Ultima Series

It is a flush and submerged type high precision 5 axes CNC wirecut EDM machine

- High-prescision 5 axes CNC
- Windows embedded CNC controller with TURBO motion control technology
- Capability of machining Poly-Crystalline Diamond
- Rugged Machine Tool

Technical Specifications

	EDM
Ultima 1 /A	CNC WIRECUT

Machine Tool	ULTIMA OF	ULTIMA 1F	ULTIMA 2F	ULTIMA 3F
Main axes traverse (X, Y)	320 x 220 mm	500 x 300 mm	600 x 400 mm	800 x 600 mm
Aux. axes traverse (u, v)	80 x 80 mm	100 x 100 mm	120 x 120 mm	120 x 120 mm
Work table size	655 x 350 mm	810 x 550 mm	910 x 580 mm	1145 x 800 mm(C) TYPE)
Max. taper angle	35°/50 mm	35°/50 mm	35°/50 mm	35°/50 mm
Max. work piece height	200 mm	260 mm	350 mm	450 mm
Max. work piece weight	300 kg	500 kg	1000 kg	4000 kg

eNova Series

It is a submerged type high precision 5 axes CNC wirecut EDM machine with max. cutting speed : 210m²/min

- Windows embedded CNC controller with TURBO motion control technology
- Capability of machining Poly-Crystalline Diamond
- Rugged Machine Tool



Technical Specifications

Machine Tool	eNova 0S	eNova 1S	eNova 2S
Main axes traverse (X, Y)	320 x 220 mm	400 x 300 mm	600 x 400 mm
Aux. axes traverse (u, v)	100 x 100 mm	100 x 100 mm	120 x 120 mm
Work table size	600 x 400 mm	680 x 500 mm	900 x 580 mm
Max. taper angle	35° /50 mm	35° /50 mm	35° /50 mm
Max. work piece height	200 mm	300 mm	350 mm
Max. work piece weight	500 kg	500 kg	1000 kg





Euro Mark Series

It is a flush type 4 1/2 axes control with direct coupled AC servo system.

- ELCAM Windows-based powerful part programing software
- Best surface finish : 0.60 µRa
- 16-step programmable flushing
- 15inches LCD screen
- Semi-automatic wire threading system (optional)**
- 4 1/2 Axis control (axis on display)
- Direct coupled AC servo motor (X,Y,u,v)
- Long life mineral bed filtration

Max. work piece height

Max. work piece weight

Max. wire spool capacity Wire electode diameter

Resolution Max. JOG speed

Technical Specifications



Machine Tool	euromark l
Main axes traverse (X, Y)	300 x 400 mm
Aux. axes traverse (u, v)	80 x 80 mm
Table size	440 x 650 mm
Max. taper angle	± 30°/50 mm

± 30°/50 mm 250 mm 300 kg 0.0005 mm 900 mm/min. 6 kg (up to DIN 160/ P5) 0.25 mm (std.) 0.15, 0.20 mm (opt.)

eNova 2S
600 x 400 mm
120 x 120 mm
900 x 580 mm
± 30°/50 mm
350 mm
1000 kg
0.0005 mm
900 mm/min.
8 kg (up to DIN 160/ P5)
0.25 mm (std.) 0.15, 0.20 mm (opt.)

Arjun Series 500/ 650/ 850/ 1100

It is a advanced CNC system used as a vertical machine centre.

- Robust Design
- Wide base bed with large span guide ways
- Full featured Advance CNC System
- Available in various sizes 500 / 650 / 850 / 1100
- Precise. Fast. Reliable.



Smart Mill – EM4S Manual Milling Machine

- Dual Speed Spindle Motor
- Large Table
- Hardened Table Surface
- Extended X Axis Stroke
- Robust Construction



Table Size
T-solt (WxNOxD)
Travel for XYZ
Spindle Quill Travel
Ram Travel
Spindle Motor
Spindle Taper
Type of Guide Ways
Change of Speed
Spindle Speed R.P.M.
Headstock Swivel & Incline
Machine Weight

254 x 1370mm (10x54)
16x3x65mm
950x400x400mm (37.4x15.7x15.7)
127mm (5)
600 (300+300)mm
3HP
R8
X Z V, Y Flat
16 Step Speed
66-4540 RPM
0 0 R & L90 F & R 45
@1200kg

Surface Grinding Machine

- High Precision, Semi-Automatic Surface grinding machines.
- Table Speed of 5-30 m/min.
 - Imported Super Precision bearings packed with Grease for life.
- Interlocks on Spindle Rotation/ Magnetic Chuck.
- Perfect Squareness of all X,Y & Z Axes.
- Centralized Auto Lubrication system in all Axes.

Spares & Service for CNC EDM & WIRECUT Machines

- Flushing Nozzle
- Filters
- Ion Exchange Resins
- Wire Guides
- Current Pickups
- Coreless Brass
 Electrodes
- EDM Wires

Zinc coated brass EDM wire. 0.25mm soft/hard - P5 size (1spool = 5kgs) Zinc coated brass EDM wire. 0.25mm soft/hard - DIN 125 size (1spool = 3.5kgs) Electra Plain brass EDM wire. 0.25mm soft/hard - DIN 125 size (1spool = 3.5kgs)



Standard Parts for CNC

Standard parts are used as standardized products in tool construction, mould making and mechanical engineering with ultimate precision.

- Guide Elements
- Springs/ Gas Springs
- Standard Parts for Mould Making
- Ground Plates & Flat Bars
- Die Sets
- Elastomers



Rotary Tables

There are most compressive rotary table range, suitable both for machine tools and automation systems.

- FIBRO NC -Rotary tables with worm drive
- FIBRO Heavy load NC Rotary tables with Twin Drive
- FIBRO Highly dynamic NC Rotary tables with torque motors



Service Wing

We understand that manufacturing - not maintenance is your core competence. Allowing you to focus on your strengths, we will provide you with the best and most complete portfolio of products and services. Preventive maintenance services minimize your downtime and maximize your bottom line. Whether a competent advice or a full service solution, Petrotek Service Team takes care of all your needs, whatever they may be.

Cutting Oils

Back Up And Technical Assistance

We provide you technical assistance in lubrication selection procedures and we help you consolidate multiple lubrication applications, We do consult for special applications.

Back up service for water miscible ranges is provided by factory trained engineers.

Open Gear Inspection

We provide you with open gear inspection services & Also carry out repair jobs for the Open Gears.

- Temperature Profiling
- Vibration analysis.
- Laser Alignments
- Repair and Grinding of Gears.
- Call on us and we will assist you .



Refractomter device



Compressor & Dryer Repair & Service

Our fully qualified in house engineers actually repair, install, audit and service air compressors, air dryers, leaks, and so on. We are proud to have, in our team, highly qualified and skilled engineers.

They have thorough knowledge of air systems and their parts, and can accurately diagnose problems before fixing them. We undertake AMC for your continuous and smooth running of the plant and production. We maintain necessary spare parts for your regular and periodic services.

Our in-service team does the evaluation of your systems for the need of any dust and mist collections and take up the complete installation and engineering project.



Vacuum Cleaners

- Single Phase Vacuum Cleaners
- Three Phase Vacuum Cleaners
- ATEX Certified Vacuum Cleaners Air Operated
- Oilvac Vacuum Cleaners For the separation for Oil Separation
- Chipvac Vacuum Cleaners -For the separation of swarfs, shavings and chips



Vacuum Pump Sales & Services

Vacuum Pumps suitable for all type of Industries.



Diaphragm Type Vacuum Pumps



Vacuum Blowers

 Dual Stage Oil lubricated Rotary Vane Vacuum Pump for Refrigeration

Chains & Sprockets

- Roller Chains
- Conveyor Chains
- Bucket Chains
- Sprockets & Wheels
- Gear Coupling

Contact us at the planning stage of your projects, our team of engineers can provide you the most and economic solution for your.



Industrial Air Filtration

ponaldson

From portable to central collectors, to source and ambient collectors, to booth-type collectors and weld benches, Donaldson Torit provides the most complete range of cartridge collectors that cost-effectively enhance productivity and manufacturing efficiency.



Donaldson

Downflo Oval

- Cartridge dust collectors with Oval shaped filter technology
- Proprietary Filter Media
- Pulse Cleaning
- 25 % More Air Flow than round size cartridges



Downflo Work Station

- Used in-plant areas where dirty or noisy operations prevail
- Used in open-grinding,sanding, chipping,batch mixing & welding



Fume Collectors

- Ceiling mount self contained source collectors
- Capture Fume generated in welding applications
- High Capture velocity that ensures fume capture

Synteq XP.

WSO Mist Collector Water Smoke Oil

WSO mist collector is the only collector that is designed to collect water soluble coolant ,straight oil and oily smoke produced from machining operations and industrial processes.

3 Application 1 Collector 3 Solutions



WSO 15 with optional 3rd-stage HEPA filter



7 Axis Portable Coordinate Measuring Machine

The API Arm provides an ideal combination of contact and non-contact measurement. The innovative design utilizes top of the line materials to provide a reliable, portable, and lightweight coordinate measuring machine.

Common Applications

- Dimensional Analysis
- Quality Control
- Rapid Prototyping
- First Article Inspection
- Reverse Engineering
- Surface Acquisition

Radian Laser Tracker

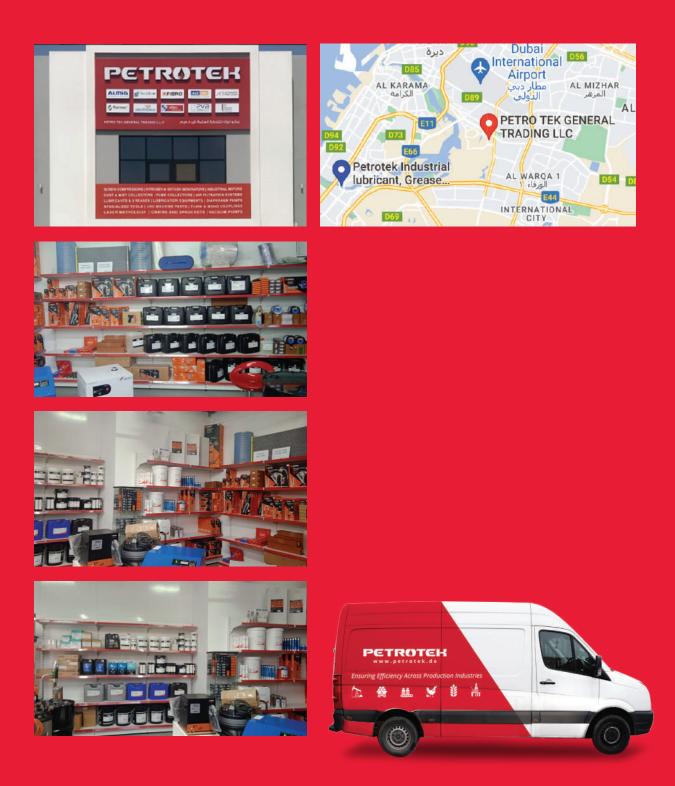
Smallest, Lightest, and most accurate laser measurement tool & calibration equipment.



Measuring Tools

- Vernier Calipers
- Digital Calipers
- Digital Outside Micrometers
- Outside Micrometers
- Dial Calipers
- Internal Dial Calipers
- Vernier Depth Gauges
- Digital Depth Gauges
- Digital Height Gauges
- Dial Indicators
- Digital Indicators
- Dial Test Indicators





PETROTEK GENERAL TRADING LLC

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