

EMA GROUP

EMA Group is one of the leading firms in the field of hydraulic & pneumatic solutions in Egypt.

COMPANY PROFILE



EMA Group provides one stop shop for trading, manufacturing and servicing your complete system and its individual parts. Depending on the size and field of your organization, we have different products and services to meet your requirements.



ABOUT US

EMA Group is one of the leading firms in the field of Hydraulic & Pneumatic solutions in Egypt.

EMA Group provides one stop shop for trading, manufacturing and servicing your complete system and its individual parts.

At EMA Group, there is a wide range of products and services to meet every client's requirements, based on the size and field of each organization.

EMA Group started its business operation as a trading company in January 1992 and established its manufacturing facility at 10th of Ramadan in 1998.

EMA Group is focusing exclusively on high quality products and cost-effective solutions and services.

Serving a wide range of sectors and industries with a huge database of satisfied customers, EMA's skilled and professional calibers always aim to keep up the quality of service in order to constantly move forward and fulfill the client's expectations. The company has been founded by a group of professionals with solid experience and wide exposure to various and giant mechanical applications.

"EMA's staff works on giving reliable support and consultancy services not only as calibers, but also as business partners.

OUR MISSION

Satisfying our customers by offering complete solutions in the hydraulic & pneumatic industries and providing the highest level of support through qualified and motivated team counting on our consolidated expertise of more than 25 years in co-operation with the world's leading vendors

OUR VISION

We are aiming to be the preferred business partner in the Hydraulic & Pneumatic industries for our stakeholders in the MENA region

History of EMA

1992

1994

1995

1996

1997

1998

- 1992

Establishment of EMA.

- 1994

-Establishing Gesr El-Suez branch

-EMA is assigned as Sole Distributer for:

Yuken - Japan (Hydraulic Components)

Bucher Hydraulics - Germany-Italy (Gear Pumps-Manual Control Valves)

Univer - Italy (Pneumatic Cylinders & Valves)

Sealing - Italy (Hydraulic Seals)

ALTA - Italy (Seamless Tubes)

DALMAR - Italy (Hydraulic Fittings & Accessories)

UFI - Italy (Filtration Systems & Accessories)

- 1995

-Establishing EMA for Hydropneumatics branch at 10th of Ramadan city.

-Establishing EMA Warehouse at 10th of Ramadan city.

-Establishing EMA for Trading and Hydraulic Services, assembling Hydraulic and Pneumatic

Cylinders and Power packages, on a total area of 750m2.

- 1996

- EMA is assigned as Sole Distributer for:

Danfoss - Denmark (Hydraulic Motors & Steering Units)

Comatrol - Italy (Cartridge Valves)

Fundia - Sweden (Hard Chrome Rods)

- 1997

- EMA is assigned as Sole Distributer for:

T.D.Z - Spain (Hydraulic Valves & Pumps)



MANUFACTURING & SERVICES

Facilities and Equipments:

EMA Group is a premier hydraulics centre. Our dedicated design team uses the latest design software to develop hydraulic components to the highest standards.

Our manufacturing and testing facilities are state-of-the-art and our workshop is equipped with the latest technology to ensure fast and efficient repairs and servicing. We also have in-house honing machines and a CNC machine to manufacture a different size of seals from 3mm diameter up to 540mm diameter includes standard and non-standard seals, machining different types of materials according to your application.

Our long experience in technology and market has enabled us to provide you the most professional and fast service in sealing product design, production, installation and maintenance site replacement.

EMA Group has the facilities and equipment to keep your business moving.

Manufacture:

When it comes to precision in the hydraulic & pneumatic manufactured cylinders, EMA is your optimum choice. We manufacture standard Cylinders to tailored ones according to your exact specifications and applications.

We design and manufacture wide range of cylinder's types single/ double-acting and telescopic cylinders in different diameters, length and loading capacities using the finest materials and highest quality standards through the entire process of manufacturing includes material selection and supply, machining, assembly, testing, painting and documentation.

Service:

We can tailor hydraulic solutions to meet your specific industry requirements, from the design and manufacture of hydraulic components, to the installation, testing, repair, and servicing of both standard and customized hydraulic systems.

Our Marine & Offshore Hydraulic Services include:

- Marine Hydraulic Components – Servicing & Repairs
- Deck Cranes – Servicing, Repairs & Overhauls
- Steering Systems – Servicing, Repairs & Overhauls
- Deck Winches – Servicing, Repairs & Overhauls



Defense Sector:

- We work to defense industry standards and procedures
- Specialist experience of hydraulic systems
- Supply of new and replacement hydraulic components for defense equipment
- Innovative design to replace hydraulic components and systems
- Full installation and commissioning
- Design and manufacture of custom hydraulic fittings



We offer repairs, overhauls, and testing of hydraulic components associated with:

- Truss Conveyor Systems
- Crushing Plants
- Screening Plants



EMA provides hydraulic services for:

- Wheel-Mounted Cranes (single and multiple control stations)
- Commercial Truck-Mounted Cranes
- Container Side-Lift Truck Hydraulics



EMA provides hydraulic services for:

- Agriculture equipment such as bobcat tractors.
- River trash/weed skimmer.



EMA provides hydraulic services for:

- Protection Walls for the high-rise buildings.
- Tank Jacking System
- Heavy Equipment such as bulldozers, excavators, backhoes, forklifts...Etc.
- Hydraulic elevators, and scissors
- Garbage compactor Trucks
- Hydraulic metal shear
- Car Crushers
- Man Lifts





-Piston Pumps

- K3VG Series

360 and 560cc displacements (2 x 180, 2 x 280).

350 bar continuous pressure rating.

Common suction port.

Extensive range of highly responsive control options.

- K3VL Series

28 to 200cc displacements.

320 bar continuous pressure rating.

Load sensing, torque limiting and electronic displacement control.

Integral impellor pump available on 200cc unit.

- K3V/K5V/K7V Range

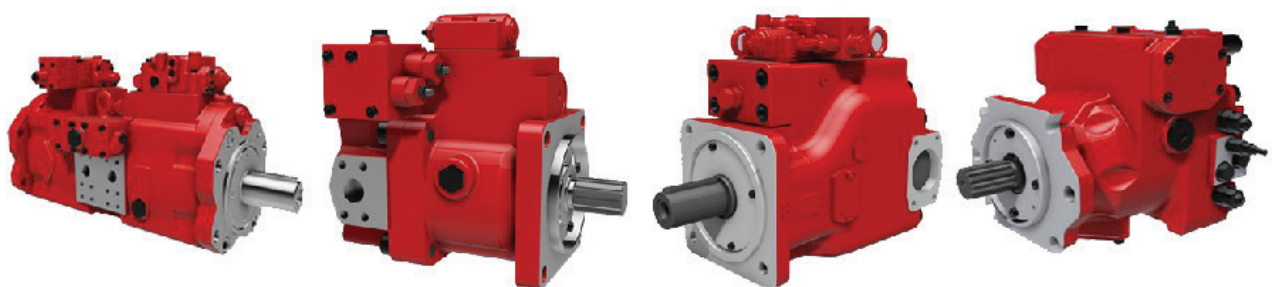
63 to 212cc displacements available.

350 bar continuous pressure rating.

Single, tandem and parallel versions.

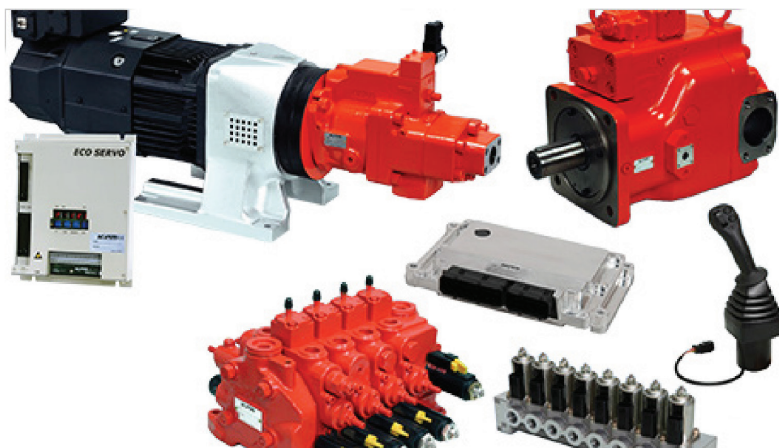
Wide range of power, pressure and displacement controls available.

-We Provide all spare parts for our pumps such as Rotary group, Swash plates, and valve plates...ETC



-Valves

- Brake Valves
- Counterbalance Valves
- Direct Acting Check Valves
- Directional Spool Pilot Operated Valves
- Flow Control Valves
- Pilot Operated Check Valves
- Pressure Reducing Valves
- Pressure Relief Valves
- Throttle Valves





Yuken "A" Series Variable Displacement Piston Pumps

- A variety of control methods are supported
- Ten types of unique control methods are available which integrate amplifiers and sensors. These control types range from standard pressure compensator control to proportional solenoid pressure/flow control.
- Available in a wide range of displacements from 10 to 219 cm³/rev (.610 to 13.36 cu. in. /rev)

Yuken "A7H" Series High Pressure Variable Displacement Piston Pumps

- High Pressure-Large Volume Displacement Adding to current A3H series, 180 and 270 cm³ /rev displacement with rated pres. 35MPa, Max. Pres. 40MPa pumps are now available.
- Optional through Drive Optional through drive allows an auxiliary or outboard pump (SAE Standard) to be directly mounted.
- Fire-Resistant Fluids Water-Glycols and Polyol Ester Type are applicable under certain condition.

Yuken "AR" Series Variable Displacement Piston Pumps

"AR" series variable displacement pump has been developed with the aim of even further quietness in operation, smaller size and lighter mass. Based on Yuken technology and engineering, the "A" series pump has a reputation for its quiet operation and high efficiency.

- Compact and Lightweight
- A compact design and an aluminum body ensures a high power to mass ratio.
- Low Noise



-Valves

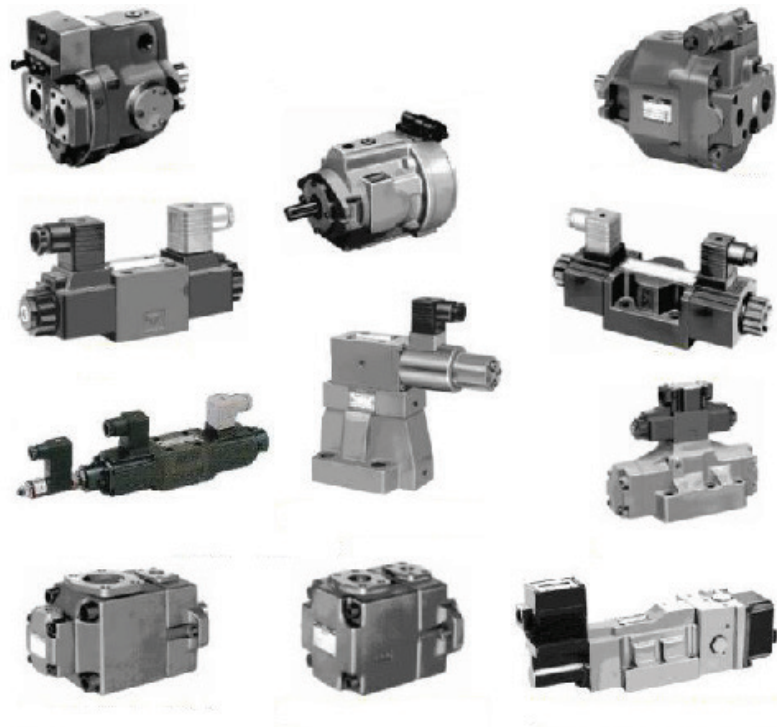
- Directional Control Valves
- Pressure Control Valves
- Flow Control Valves
- Modular Valves
- Logic Valves
- Proportional Valves
- Servo Valves

-Vane Pumps

- Fixed Displacement Vane Pumps.

-Actuators

- Hydraulic Cylinders.



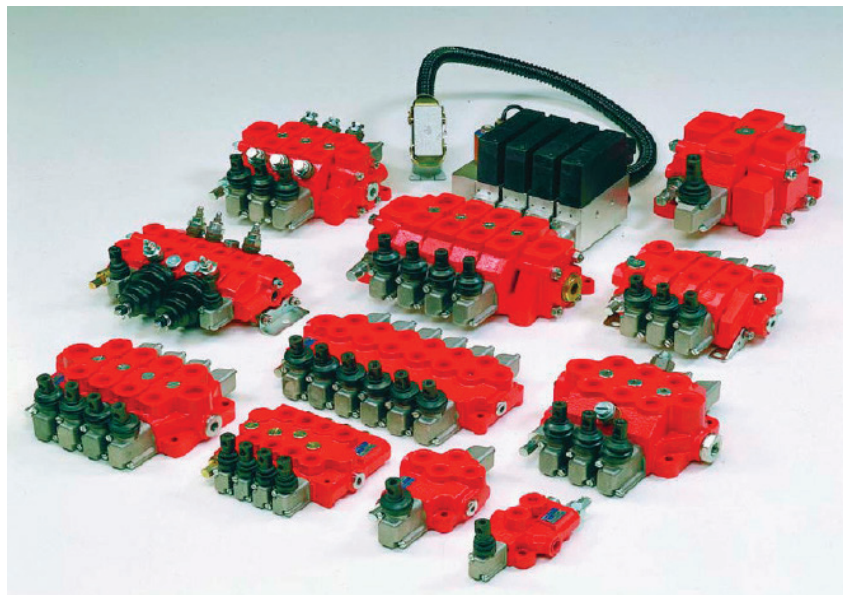
BUCHER

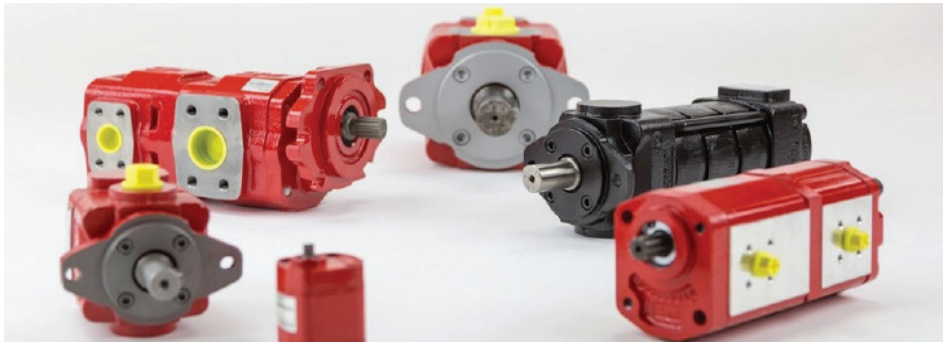
-Sectional Valves

- Sectional Directional Valves
- Proportional Directional Valves

-Power Units

- Hydraulic Power Packs





Gear Pumps:

- External Gear pump

Ordering Code	Material	Displacement cm ³ /rev	Operating pressure up to bar	Peak pressure bar	Min. speed rpm	Speed max. rpm
AP/APR05	Aluminum	0.25 - 1.6	190	230	500	7000
AP100	Aluminum	1.2 - 10.0	210	280	500	5000
AP/APR212	Aluminum	4.4 - 27.1	250	300	500	4000
AP300	Aluminum	27.0 - 93.0	220	280	500	3500
AP/APR212HP	Cast iron	15.1 - 34.1	250	300	500	3500
AP250HP	Cast iron	15.2 - 54.0	300	320	500	3500
AP312HP	Cast iron	40 - 75	300	320	500	3000

- Internal Gear Motor/Pump Unit Service

Type	Operating pressure (continuous) up to bar	Operating pressure (intermittent) up to bar	Displacement cm ³ /rev	Speed max. pump rpm	Speed max. motor rpm
QXEM2	210	250	5,1 - 8	3250	6000
QXEM3	210	250	10 - 15,6	3050	5500
QXEM4	210	250	20,3 - 32,3	2900	5000
QXEM5	210	250	39,2 - 63,5	2500	4500
QXEM6	210	250	80,1 - 124,6	2250	4000
QXEM8	210	250	162,7 - 248,8	1600	3500



-Pumps

Type	Series	Displacement CC/rev or Gal at 1200 RPM	Max. Speed (r.p.m)	Max. Pressure (bar)
TDZ Design				
Single Vane Pump	BHP1	2,...7(cc)	2500	175
Double Vane Pump	BHP4,BHP6,BHP7	26,...235(cc)	2500	210

Type	Series	Displacement CC/rev or Gal at 1200 RPM	Max. Speed (r.p.m)	Max. Pressure (bar)
Denison Design				
Single Vane Pump (Very high pressure)	T7B	6,...52 (cc)	2800	320
Single Vane Pump	T6C, T6D, T6E	11,...270 (cc)	2800	275
Double Vane Pump (Very high pressure)	T7BB, T67CB, T67DB T67EB	9,...270 (cc)	2800	320
Double Vane Pump	T6CC, T6DC, T6EC, T6ED	11,...270 (cc)	2800	275
Triple Vane Pump (Very high pressure)	T67DBB, T67EDB	9,...270 (cc)	2800	320
Triple Vane Pump	T6DCC, T6EDC	11,...270 (cc)	2800	275

Type	Series	Displacement CC/rev or Gal at 1200 RPM	Max. Speed (r.p.m)	Max. Pressure (bar)
Vickers Design				
Single Vane Pump	V10, V20	1,...13 (Gal)	4800	175
Single Vane Pump	20V*,25V*,35V*,45V*	2,...72 (Gal)	2500	210
Double Vane Pump	2520V*,3520V*,3525V*	2,...45 (Gal)	2500	210
Double Vane Pump	4520V*,4525V*,4535V*	2,...72 (Gal)	2500	210
Thru Drive Vane Pump	25VT*,35VT*,45VT*	8,...72 (Gal)	2500	210

-Power Take Off (PTO)





-Filters

- Pressure Filters

Capacity: 7-400 lit/min with accuracy: 3-25 Micron

Working Pressure: 1.2 MPa (12 bar) – 42 MPa (420 bar)

Working Temperature: From -25°C to +110°C

- Return Filters

Capacity: 12-1600 lit/min with accuracy: 3-60 Micron

Working Pressure: 300 kPa (3 bar) – 1.2 MPa (12 bar)

Working Temperature: From -25°C to +110°C

- Suction Filters

Capacity: 9-540 lit/min with accuracy: 10-250 Micron

Working Pressure: 100 kPa (1 bar) – 1.2 MPa (12 bar)

Working Temperature: From -25°C to +110°C

-Level Indicator with Thermometer

Maximum Pressure allowed 100 kPa (1bar)

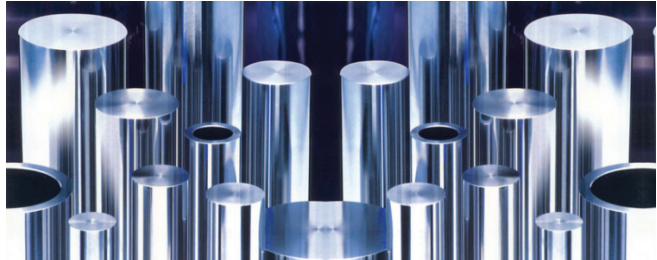
Working Temperature: From -20°C to +90°C



- Hard Chrome Bars
- Honed Tubes



- Hard Chrome Bars
- Honed Tubes



- Valves
- Ball Valves
- Check Valves
- Flow Control Valves



Accessories

- Pressure Switch
- Quick Couplings
- Pressure Gauges





-Cylinders

- Profile Cylinders
- Micro Cylinders
- Compact Cylinders
- Short Cylinders
- Rod less Cylinders

-FRL Combinations

- Filter
- Filter Regulator
- Filter Regulator Lubricator

-Valves

- Solenoid Valves
- Mechanical Valves

-Coils

- 12V, 24V, 110V, and 220V

-Accessories

- Check Valves
- Speed Control Valves
- Shuttle Valves
- Quick Exhaust Valves
- Vacuum Ejector
- Shock Absorber
- Sensor Switch
- Mounting Bracket
- Pressure Gauges





-Valves

- General Solenoid Valves
- Technopolymer Solenoid Valves
- Pinch Solenoid Valves
- Explosion Proof Solenoid Valves
- High Pressure Solenoid Valves
- Air Operated Valves

-Vibration Pumps

-Coils

-Accessories





-Cylinders

- Profile Cylinders
- Micro Cylinders
- Compact Cylinders
- Short Cylinders
- Rod less Cylinders

-FRL Combinations

- Filter
- Filter Regulator
- Filter Regulator Lubricator

-Valves

- Solenoid Valves
- Mechanical Valves

-Coils

- 12V, 24V, 110V, and 220V

-Accessories

- Check Valves
- Speed Control Valves
- Shuttle Valves
- Quick Exhaust Valvesv
- Vacuum Ejector
- Shock Absorber
- Sensor Switch
- Mounting Bracket
- Pressure Gauges



THB

-Air Hoses

- Polyurethane Hoses
- Nylon Hoses

-FRL Combinations

- Filter
- Filter Regulator
- Filter Regulator Lubricator

-Valves

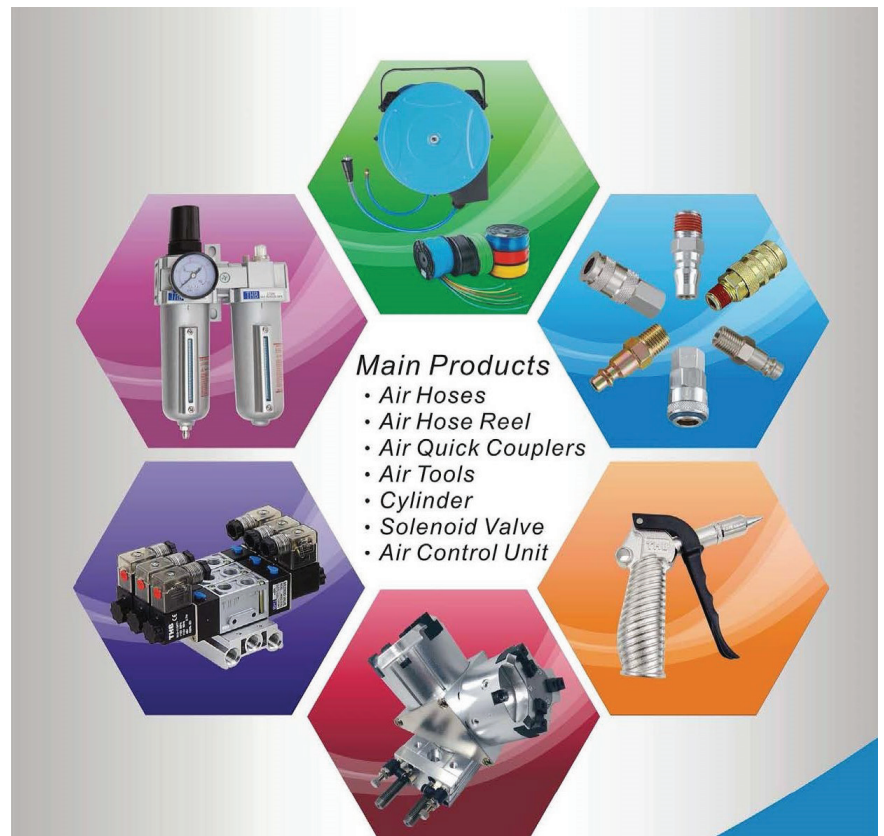
- Solenoid Valves
- Mechanical Valves
- Accessories
- Quick Couplings
- Pressure Gauges

-Air Tools

- Engine Cleaning Gun

-Accessories

- Check Valves
- Speed Control Valves
- Shuttle Valves
- Quick Exhaust Valves
- Vacuum Ejector
- Shock Absorber
- Sensor Switch
- Mounting Bracket
- Silencer
- Fitting



Seals

-MSO

We manufacture Standard and Non-Standard Seals using MSO CNC machine with the following materials (Polyurethane, Viton, Rubber, MDX, Teflon, and Bronze Teflon) with different sizes starting from 3mm to 540 mm diameter.



"EMA is processing advanced sealing technology that can produce sealing product with unlimited diameter size."

-Aston Seals

- Standard Seals
- Piston Seals
- Rod Seals
- Wipers
- Rod & Piston Seals
- Guide Rings
- Others

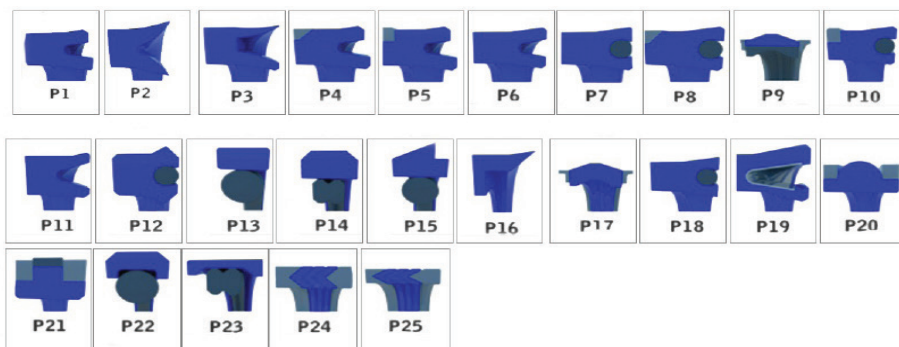


-O-Ring Europe

We can provide O-rings and X-rings with the following materials (Rubber (NBR), HNBR, EPDM, EPR), Viton (FKM) <Silicone.



Piston Seals



Rod Seals



Lip Seals



Backup Rings



Wipers



Sample Clients



Success Partners



Headquarter

- Administration - 292 Ramses Extension Third Floor, Nasr City.

Telephone: 02 22634639 – 02 23892504 – 02 23892617

Fax: 02 23892618 Mobile: 01005667600

Email: Info@emagroup-eg.com - Website: www.emagroup-eg.com

Factories

- 10th of Ramadan City – B4 Zone Plot number 74

Telephone: 0554/501397 – 0554/501264 – 0554/501283 – 0554/501401 Mobile: 01005665200

- Alexandria - Industrial Zone – El Labban – Factory plot number 7

Telephone: 03 3925846 – 03 3925847

Showrooms

- Cairo - Gesr El-Suez - 4 Mamdouh Street off 6th of October Street, In front of Covertina Factory

Telephone: 02 218826652 – 02 21882653 Mobile: 01114350254

- 6th of October city - Building number 13A, Aly El Din Complex, Central Axis - In front of Laylat Al Kadr Square

Telephone: 38838779 – 38838814

- 10th of Ramadan City - Masreya Center 1

Telephone: 0554/3753894 – 0554/363926

- Alexandria - 21 Abo El Dardaa Street – Salah El Din – El Gawhara Tower

Telephone: 03 3934113 – 03 3913226 – 03 3913227 Mobile: 01001668055

- Suez City - Naser Street, New Kafr Ahmed Abdo

Telephone/Fax: 062 3488355 – 062 3488113

- Port Said - El Herafyen new zone , El Zahraa Block number 18, Shop number 441, In front of Sayeda Nafisa Mosque Telephone/Fax: 066 3724095

- Tanta - Misr/Alexandria Agriculture road - El Gawhara Tower flat number 5, In front of Tanta Scan labs

Telephone/Fax: 040 9115013 Mobile: 01119030950 – 01000522750

Warehouse (Hardchrome & Hoses)

- 10th of Ramadan City - C2 Zone - Small Industries Compound

Telephone: 0554/367508 – 0554/385388

