

مؤسسة منصور الجويني  
**Mansour Al Jawini Est.**



سجل تجاري الرياض: ١٠١٠٠٧١٤٧٨

**Industrial Excellence Supplies and Support**

**Heaters, Screen Mesh, Perforated Sheets, Pure Teflon,  
Teflon Adhesive & Non-Adhesive Tapes, Copper Gauze,  
Hopper Magnet, Tear Stripes, Polyester Screen Mesh and more.**



# Mansour Al Jawini Est.

## VIRGIN AND FILLED PTFE



The **G Series** names a family of products based on polytetrafluoroethylene (PTFE), both virgin and filled with different reinforcing ingredients and additives.

The G Series range includes beside the virgin grade, a number of standard types filled with glass fibers, carbon powders, graphite, and bronze powders in different percentages and combinations. G Series products are available as basic shapes and finished parts, standard and special.

The base characteristics of virgin PTFE are the ones offering a unique combination of:

- low coefficient of friction (the lowest among all solid materials known)
- excellent chemical inertness
- extremely non-adhesive surface (practically no products could stick on it)
- wide temperature withstanding (from  $-200^{\circ}\text{C}$  up to  $+260^{\circ}\text{C}$ )
- excellent dielectric properties
- toughness and flexibility balance



Filled grade in respect with virgin PTFE offer a substantial improvement of:

- wear resistance in sliding applications
- low deformation under compressive loads
- low thermal expansion
- thermal dissipation

**G Series basic shapes include:**

- extruded rods from mm. 3 up to mm. 140
- moulded rods from mm. 30 up to mm. 530
- extruded tubes from OD mm. 10 x ID mm. 4 up to OD mm. 165 x ID mm. 155
- moulded tubes from OD mm. 40 x ID mm. 15 up to OD mm. 1200 x ID mm. 1150
- moulded sheets from mm. 600 x 600 up to mm. 1200 x 1200, from mm. 2,5 up to mm. 100 thick
- skived sheets and tapes from thickness mm. 0,025 up to mm. 5, width up to mm. 1.500



### The main application fields and the finished products mostly supplied in the various G series grade.

Application Fields	Products
Chemical and petrochemical industry	Tank lining, valve seats, valve and pumps linings
Mechanical Industry	Sealing elements, standard and special bearings, sliding parts
Food industry	Sealing elements, bearings, special parts
Building Industry	Dimpled sheets, sliding and bearing pads and disks for thermal expansion of industrial and civil buildings.





## HIGH PERFORMANCE PTFE BASED COMPOUNDS



The material of the **filled grades of G Series** range are among the best solutions today offered by the market to resolve tribological applications where the most critical operating conditions are present.

The capability of operating completely dry makes of filled grades of G Series the right answer for applications where to lubricate could be a tough problem (because of inaccessibility, extreme temperatures, chemical corrosion or risk of contaminating other products, such as food or drugs). The materials of the filled grades of G Series range offer the best combination of properties in terms of low coefficient of friction and high wear resistance in a wide variety of operating situations.

For special application needs also special grades filled with alumina, calcium fluoride, PPS, PEEK and other fillers are available.

Today Guarniflon has available more than 80 different compounds providing solutions to the most tribological applications.



The main advantages offered by the filled grades of G Series materials are:

- dry running capability/self-lubricant properties
- low coefficient of friction
- high wear resistance
- load carrying capabilities
- low relative abrasiveness
- operating temperature from  $-200^{\circ}\text{C}$  up to  $+260^{\circ}\text{C}$
- thermal dissipation and antistatic properties
- chemical inertness and atoxicity
- dimensional stability
- flexibility and fatigue stress resistance
- vibrations dampening/low noise running
- low dirtying characteristics
- food contact compatibility
- dielectric properties



## THE ETCHING TECHNOLOGY OF GUARNIFLON

The etching process consists in a chemical surface treatment on virgin or filled PTFE products. It allow PTFE to be glued, by means of special adhesive, on to surfaces of various materials, such as rubber, metal, plastic, etc. The new etching process of Guarniflon is capable of providing uniformly reactive surfaces by continuous control of solution concentration and contact time with PTFE.

### Key properties

- Uniform etching
- Safe and non-pollution process
- Clean and contamination-free etched surfaces
- Unique etching capabilities on
  - Thin film
  - Irregular surfaces
- Treatment on one or both sides

### Wide range of products in virgin and filled PTFE

- Sheets
- Skived sheets and tapes
- Tubes
- Rods
- Machined parts

## The type of machines and equipments where the filled grades of G Series products are mostly used

Application Fields	Products
Machine tools	Tapes at various thickness etched for bonding, for slide ways lining of lathes, boring and milling machines, grinding machines, wood working machines, etc.
Valves and solenoid valves	Valve seats, solenoid valve plugs
Textile machines and accessories for the textile industry	Standard and special bearings and bushings, lining of flexible rapiers, sealing elements, parts of special conformation, for textile looms, spinning machines, finishing machines, dyeing equipments, etc.
Building Industry	Sheets and tapes cut-to-size, etched for bonding for thermal expansion bearing and sliding pads of tanks, heat exchangers, pipelines, etc.
Machines for the food industry	Standard and special bearings and bushings, parts of special conformation, special seals for milking machines, dairy equipments, bakery machines, tomato treatment plants, fruit juice making plants, etc.
Packing and packaging machines	Standard and special bearings and bushings, parts of special conformation, for bottling and filling machines of food and pharmaceutical products and cosmetics, blistering, wrapping and cartooning machines.
Cars and their components	Bearings and bushings also of special conformation for hinges, suspension systems, shock absorbers, etc.
Dry reciprocating compressors	Piston rings, cup seals, bearer rings, for industrial compressors for air and gases, hobbyistic compressors

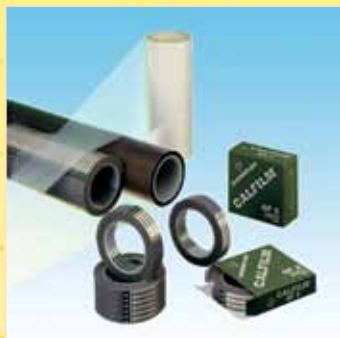


# Mansour Al Jawini Est.

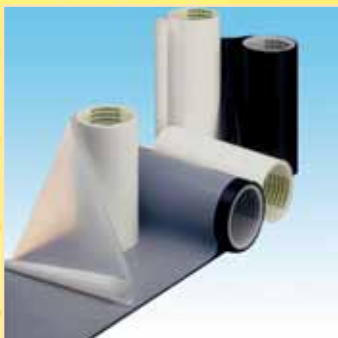
## CALFILM

Coming from Guarniflon R & D team, Calfilm is a family of calendered and/or ultra-flat PTFE films, available also with adhesive coating or etched surface.

Available in rolls and tapes, Calfilm products find applications in food, mechanical, electronic, paper mill, moulding field and aerospace industries. These tapes are featured by maintaining the high PTFE properties unchanged, for example: temperature, anti-friction, anti-sticking, chemical resistance, etc.



GF  
High Modulus & Pressure  
Sensitive



GFI  
Ultra Flat Film



GF Compound  
High Performance Tape



PSA  
Pressure Sensitive Tape



## SC SERIES

### THE SOLUTIONS TO PROBLEMS OF SEALING



Developed by Guarniflon R&D team, SC series is a superior and unique material for gasket (flat sealing) applications.

The overall benefits of Guarniflon SC series over that of both conventional PTFE and competitive PTFE/filler blends are found in the areas of environmental improvement (they are asbestos free) and overall cost saving.

Main applications in the chemical, petrochemical, pharmaceutical, food, paper industries.

SC1100	SC1200	SC1400	SC1600
<ul style="list-style-type: none"> <li>• Superior chemical resistance</li> <li>• Excellent resistance to deformation</li> <li>• No ageing</li> <li>• Good compressibility</li> <li>• High sealability</li> <li>• No water absorption</li> <li>• Non-flammable</li> <li>• Easy maintenance</li> </ul>	<ul style="list-style-type: none"> <li>• Superior chemical resistance</li> <li>• Excellent resistance to deformation</li> <li>• No ageing</li> <li>• High compressibility</li> <li>• High sealability</li> <li>• No water absorption</li> <li>• Non-flammable</li> <li>• Easy maintenance</li> <li>• Complies with FDA specifications</li> </ul>	<ul style="list-style-type: none"> <li>• Superior chemical resistance</li> <li>• strong acid, solvents, hydrocarbons, chlorine</li> <li>• water and steam</li> <li>• Excellent resistance to deformation</li> <li>• No ageing</li> <li>• High compressibility</li> <li>• Superior sealability for a wide range of pressures and temperatures</li> <li>• No water absorption</li> <li>• Non-flammable</li> <li>• Easy maintenance</li> <li>• Complies with FDA specifications</li> <li>• Certified by BAM (200°C, 25 bar)</li> </ul>	<ul style="list-style-type: none"> <li>• Superior chemical resistance</li> <li>• Acid, solvents, hydrocarbons, refrigerant</li> <li>• Water</li> <li>• Low bolt load</li> <li>• No ageing</li> <li>• Excellent compressibility</li> <li>• Superior sealability</li> <li>• No water absorption</li> <li>• Non-flammable</li> <li>• Easy maintenance</li> <li>• Complies with FDA specifications</li> </ul>





## PTFE AND SILICONE RUBBER PROCESS FABRIC & BELTS

biscor

POLYESTER MESH



FABRIC



MESH SPLICES



FABRIC



The general properties of Teflon PTFE (Polytetrafluoroethylene) are well known. The material resulting when PTFE is combined with glass fabric are: Superior heat and cold resistance; Excellent chemical resistance; High dielectric strength; Dimensional stability under heat and pressure; Low electrical losses; Low friction; and non stick smooth surface. Have a medium coating of PTFE are used primarily in the packaging industry and as release sheets in the manufacture of plastic bags, they have a smooth surface and exhibit remarkable anti-stick properties. Main uses are release sheets in heat sealing and laminating processes; non stick surfaces for paints, adhesive, resins and food products.

SPECIALIST TAPES



ZONE TAPES



MESH SPLICES



MESH



TAPES



MOUNTING TAPES





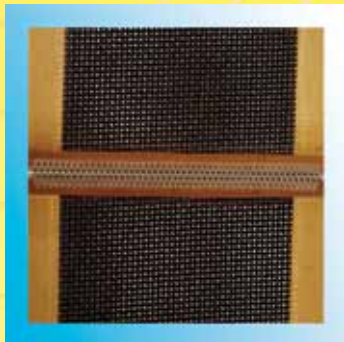


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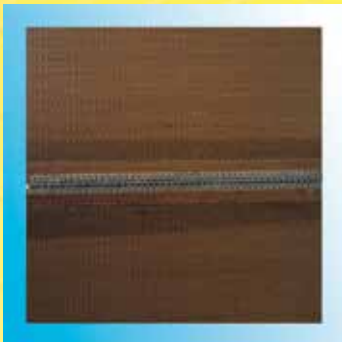
biscor

## PTFE AND SILICONE RUBBER PROCESS FABRIC & BELTS

ALLIGATOR



ALLIGATOR



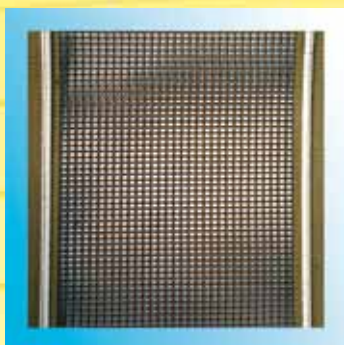
BELT



BELT



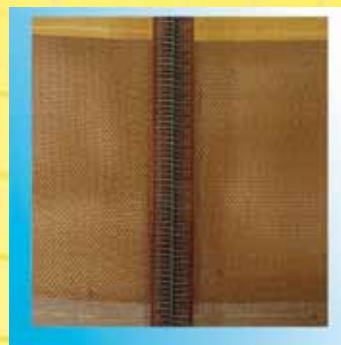
TRACKING CORD



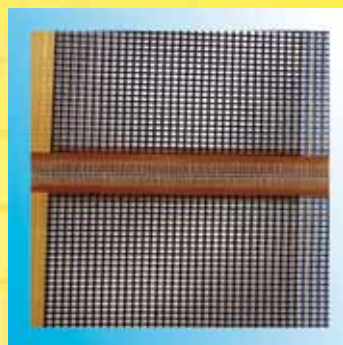
CASTELLATED STAINLESS STEEL



CLIPPER



CLIPPER



CLIPPER



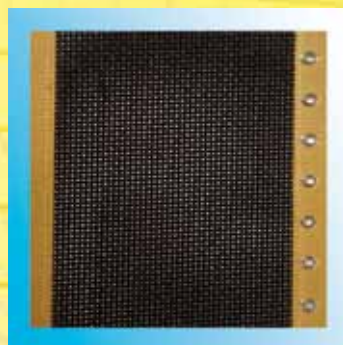
DOTS



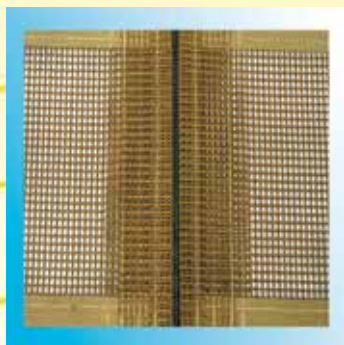
CLIPPER



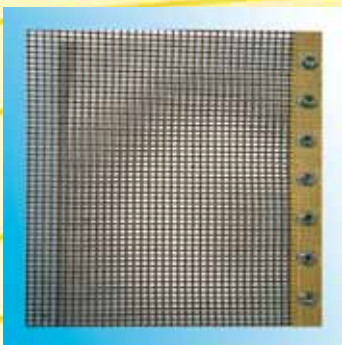
EYE LETS



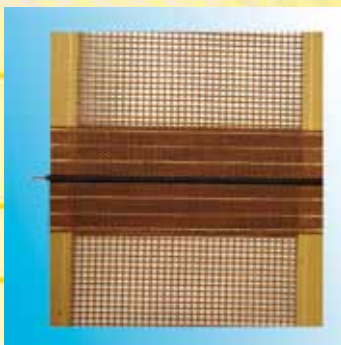
SPIRAL



STUDS



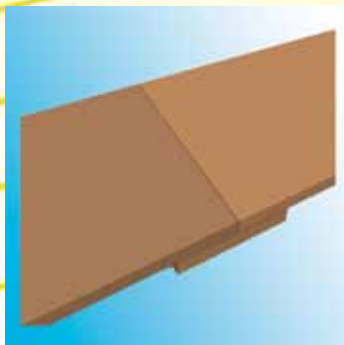
METAL SPIRAL



FILM EDGES



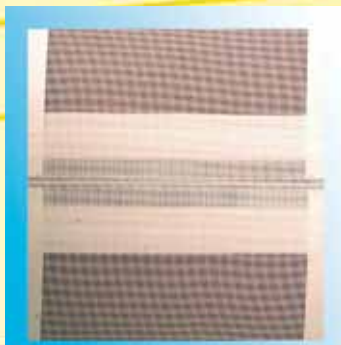
BUTT JOINT



DIE CUT SHAPES



SPIRAL STANDARD EDGE



OVERLAP JOINT





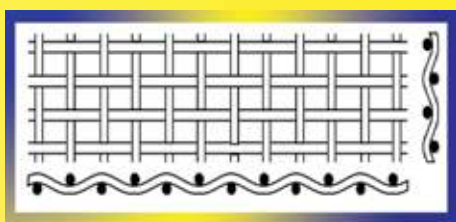


## SCREEN FILTERS & MESH

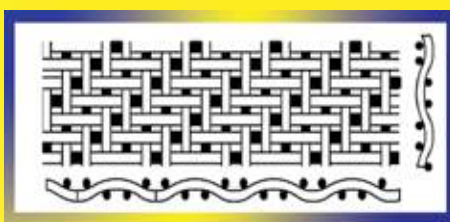
The aim is to analyse your filtration problem, wherever it occurs, and to be able to propose the right filtration equipment to satisfy your objectives for: Product Quality; Productivity; Handling and Maintenance Concerns. All our filters are custom made for your application so as to attain optimal performance. Mainly used in Chemical and Petrochemical Industries, Pharmaceuticals Companies, Food Industries, Mechanical and Automotive and other industries. Skilled staff of engineers from our principles laboratory, engineering and manufacturing facilities are here to assist you in the selection of our: Filter Media; Filter Elements and Filter Systems. The selected filter media has to be put into a usable filter element form which will facilitate flow through the media, avoid dead or stagnant zones, assure excellent filter life and, almost always in our case, guarantee cleanability so that filter elements is re-usable many times over.

We have complete range of woven wire mesh from the coarsest quarry screens to the finest micron filter cloth and have facilities to manufacuter finished products as per customer specification. Our product range comprises 4 mesh to 2300 mesh, available in Plain weave, Twill weave, Dutch Plain-Dutch Twill weave, Reverse Dutch Twill weave.

SQUARE MESH PLAIN WEAVE



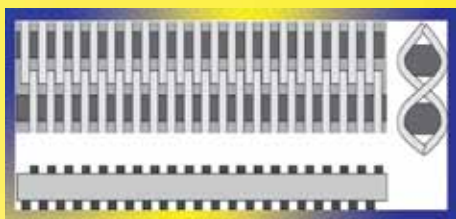
SQUARE MESH TWILLED WEAVE



PLAIN DUTCH WEAVE



REVERSE PLAIN DUTCH WEAVE



NON-WOVEN SINTERED METAL FIBER FILTER MEDIA



GALVANIZED IRON BALE TIE



## CONVEYER BELT MESH

**Materials:** stainless steel wire, stainless iron wire, middle and low carbon steel wire, galvanized iron wire, nickel, chromium, aluminium wire, polyester wire etc. **Weaving and characteristics:** the shape of organization structure including ordinary weaving, reinforce weaving, parts ordinary weaving etc. **Uses:** used widely in oil, metallurgy machine of food processing, pharmacy, glass, print special equipment of circuit board, professions etc.







# Mansour Al Jawini Est.

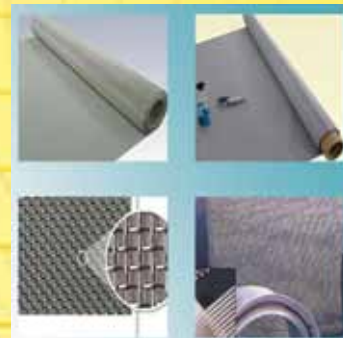
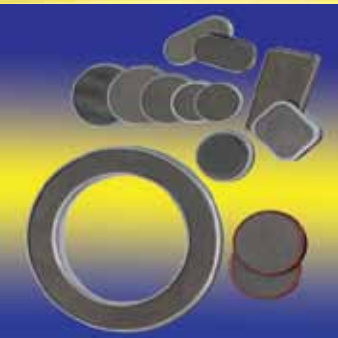
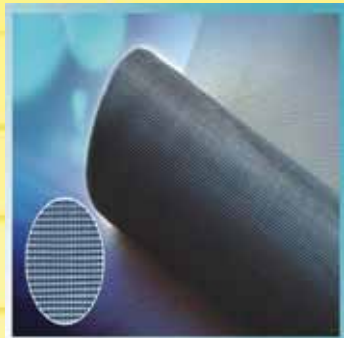
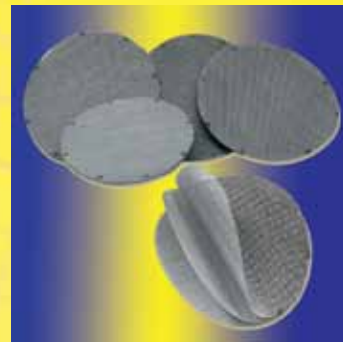
## FACILITIES



We provide following facilities to match our relevant customer requirements in better ways:

**Cut Wire Mesh:** Wire Mesh is uniformly cut as per desired shape and size.

**Multilayer Cut Wire Mesh:** Varied Wire Meshes are uniformly cut as per desired shape and size and they are properly and spot welded on edges to form layers.

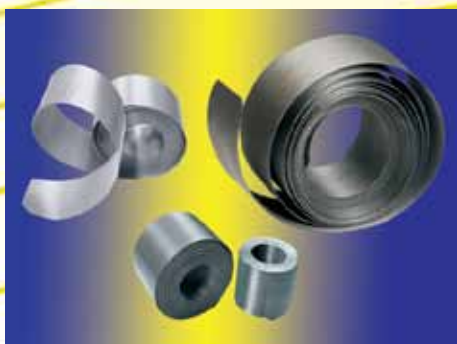


**Filter Pack (Disc & Special Designed):** Varying Wire Meshes are combined and bounded with Aluminum, Stainless Steel and Copper to form multilayer screen pack and spinneret.



**Gaskets:** Gaskets are used to sealing purpose to stop the leakage of molten mass in extruder machines. We supplied gaskets of desired shape and size of different type of material namely aluminum, copper and stainless steel

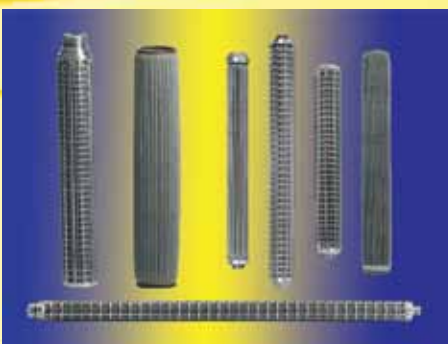
### CONTINUOUS FILTER BELTS / PLASMA



### CYLINDRICAL FILTERS



### FILTER ELEMENTS







# Mansour Al Jawini Est.

## HEATERS

Mica Band



Bobbin



Ceramic Band



Cast



Coil



Fin

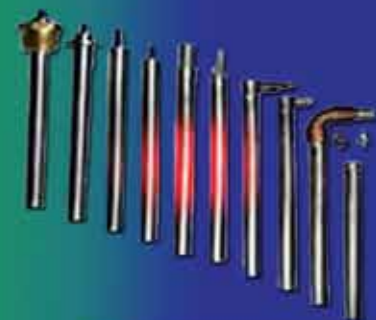


Strip



## Heaters *products*

Cartridge



Tubular





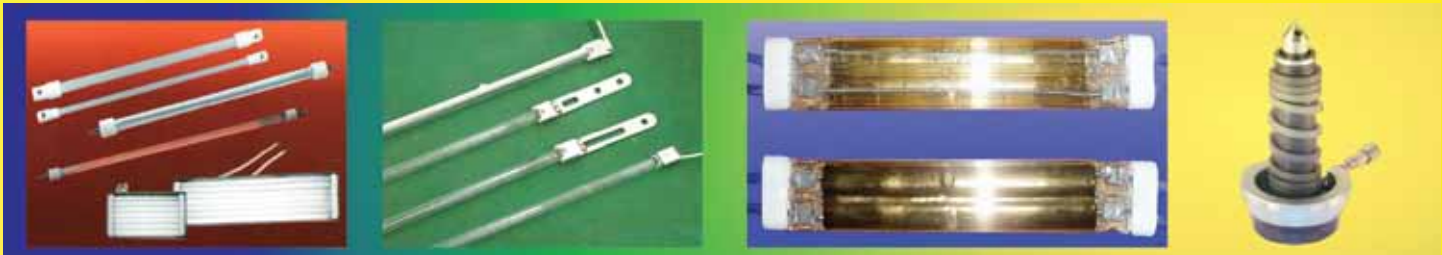
# مؤسسة منصور الجعويني



## INFRARED ELEMENTS



## QUARTZ INFRARED HEATERS



## HOT RUNNER SYSTEMS



## EURO PLUGS



## UV LAMPS







# Mansour Al Jawini Est.

MAXTECH

## CONTROL INSTRUMENTS (INDUSTRIAL THERMOSTATS)



## CONTROL INSTRUMENTS (SOLID STATE RELAYS S.S.R.)



## MULTIFUNCTION DIGITAL TIMER



## CONTROLLER INSTRUMENTS (S.S.R)





# مؤسسة منصور الجعويني



## MICRO PROCESSOR TEMPERATURE CONTROLLER

MAXTECH



## DIGITAL PANEL METER



## INFRARED HYGROMETER AND THERMOMETER



## CAPILLARY THERMOMETER







# Mansour Al Jawini Est.

## CONTROLLER INSTRUMENTS (TEMPERATURE / HUMIDITY / PRESSURE CONTROLLER)



Temperature Controller

MC-1101  
MC-1311  
MC-170  
MC-171



Temperature Controller

MC-172  
MC-1730  
MC-173  
MC-180



Temperature Controller

MC-181  
MC-183  
MC-373  
MC-4902



MAXTECH

Temperature Controller

MC-491  
MC-493  
MC-4501  
MC-4832



Humidity / Pressure Controller

MC-7101  
MC-721  
MC-731  
MC-7402



Humidity / Pressure Controller

MC-753  
MC-763  
MC-2131  
MC-2232





# مؤسسة منصور الجعويني



MAXTECH

## PROXIMITY SWITCH

### PROXIMITY SWITCH



### PROXIMITY SWITCH DC/AC Two-WIRE PROXIMITY



### PROXIMITY SWITCH WITH CONNECTOR CAPACITIVE PROXIMITY SWITCH



### PROXIMITY SWITCH WITH WATERPROOF TERMINALS PHOTO SENSOR PROXIMITY SWITCH WITH CONNECTOR



### PHOTO SENSOR/SIDE WIRING TUBULAR PHOTO SENSOR FIBER OPTICS PHOTO SENSOR (BODY)



### FIBER OPTICS PHOTO SENSOR (BODY) POWER CONTROLLER

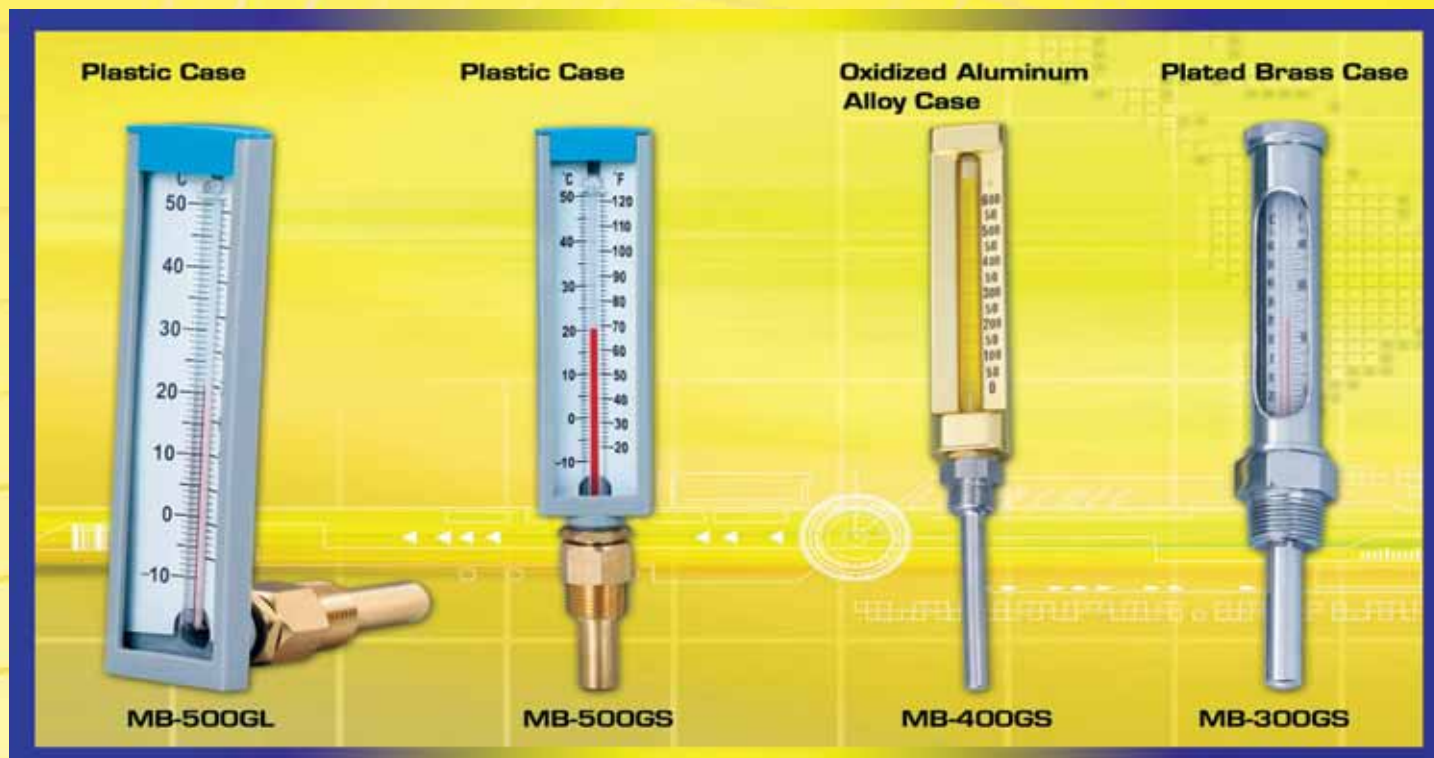






# Mansour Al Jawini Est.

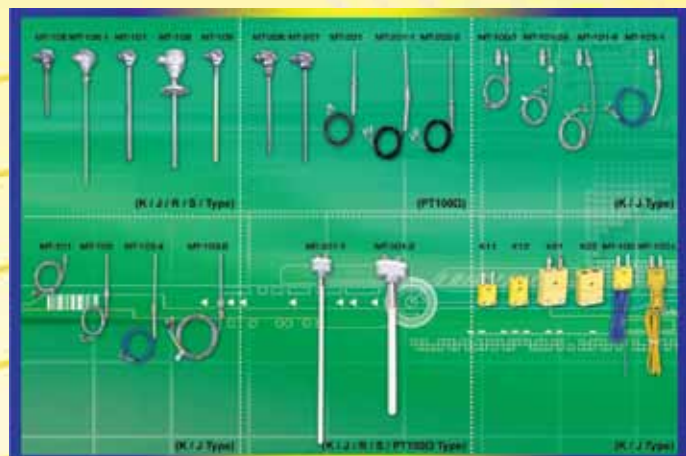
## INDUSTRIAL THERMOMETER



## SENSOR & TRANSMITTERS

MAXTECH

## SHEATH THERMOCOUPLE



## THERMOCOUPLE & CURRENT LOOP SIMULATOR



## COMPENSATING LEAD WIRES





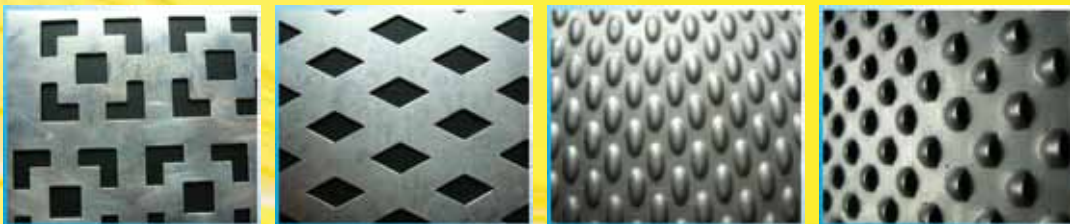
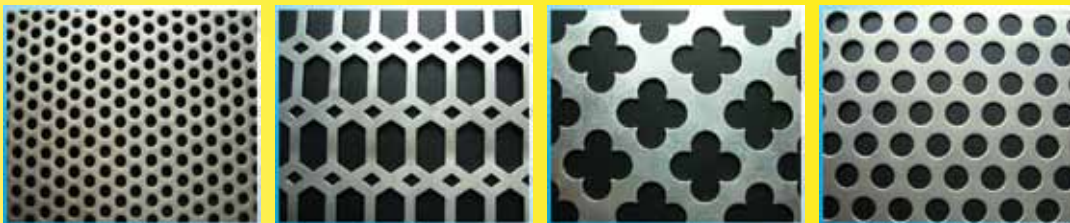
# مؤسسة منصور الجعويني



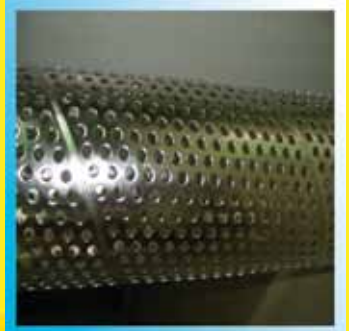
## PERFORATED SHEETS



PPS SCREEN



PPS FILTRATION JACKET



OIL SAND CONTROL PIPES







## POLYESTER SCREEN MESH

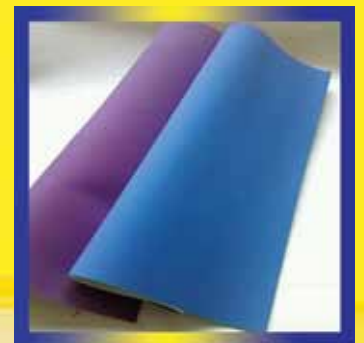
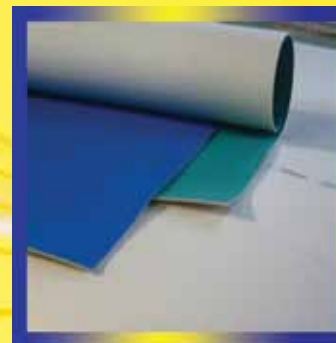
We supply fabrics for screen-printing, and offers a wide array of instruments, accessories and laboratory equipment for the screen-printing industry and are active in the production of high performance specialized textiles, chemical and auxiliary products. In particular, the main applications are ceramics, glass, electronics, CD, Textile, Industrial and advertising Graphics.

A complete line of photosensitive emulsions and auxiliary chemical products used in the preparation of the screen, to satisfy even the most specific requirements for our customers.

We have learned to listen to the market and to formulate specifically designed products for each application to meet our customers' exacting needs and high expectations.



## COMPRESSIBLE OFFSET PRINTING RUBBER BLANKET







# Mansour Al Jawini Est.

## TEAR STRIPES/TAPES





# مؤسسة منصور الجعويني

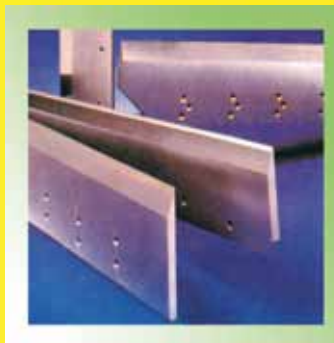


## COPPER GAUZE



Copper Gauze is excellent for cleaning screws, barrels and moulds. Soft copper will not scratch or harm precision work surfaces. The gauze features two grades of mesh for different degrees of cleaning difficulty. The outer surface, a medium grade mesh, is great for use on tough jobs. For more challenging tasks, the gauze can be turned inside out for a courser, heavier grade mesh.

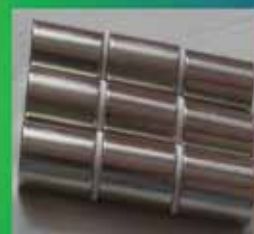
## DOCTOR BLADES



## HOPPER MAGNETS



Hopper magnets are designed to remove ferrous metal and tramp iron from free-flowing materials such as plastics, foods, cosmetics, grains and minerals. Two styles of hopper magnets are available in round or rectangular / square models to best suit your needs. Both are constructed of stainless steel with one-inch diameter magnetic tubes placed to provide the greatest magnetic efficiency. Tubes are filled with Alnico, Ceramic or Rare Earth magnetic material. Deflectors are placed to direct product flow across the strongest magnetic area.







**For any inquiries and/or to place an order:**

**Post Box 90072, Riyadh 11613, Kingdom of Saudi Arabia**  
**Telephone: +966 1 478 7478 / 479 2894, Fax: +966 1 477 4398**  
**Email: [sales@aljawini.net](mailto:sales@aljawini.net), Website: [www.aljawini.net](http://www.aljawini.net)**