



**MIMIC COMPONENTS cc**

ALSO REPRESENTING

**MIMIC CRAFTS**



**Company Profile & Product Overview**

**Company History**

Mimic Components grew out of mimic Crafts which was started in 1971 as a manufacturer of Mimic panels for the electrical industry. For electrical, power rail etc.

Mimic Components cc is a manufacturer and supplier of industrial control and display systems. Principally alarm windows, large digit clocks for power stations, led pilot lights, flashing lights, sirens and energy saving equipment and systems. They are leaders of industrial application of LED technology LED Traffic lights, Solar LED street lights.

Mimic Components started importing products from overseas but then developed expertise and staff to do significant local manufacturing.

Our Crafts division has grown from mosaic mimic systems into a precision manufacturing company making quality Aluminium framed control desks "Alutech". Assembly of all of the Mimic Components electronic products.

Facilities include: large bed engraving, guillotine, electrical test equipment. The companies are in different sections of the building shown on the back of this profile. Mimic is situated in Booyens, South of Johannesburg South Africa.

Cape Mimics Pty Ltd is based in Montague Gardens in Cape Town. They resale Mimic Components products and outsource other to suit the local demand.



ADDA 8  
Alarm annunciator



ERS22  
Elite semaphore



LED backlit alarm  
Window for alarm annunciator



Modbus  
Instrument system

## MIMIC CRAFTS DIVISION - Mosaic Mimics & Control Desks

THE **MOSAIC MIMIC** HAS ADVANTAGES IN THAT IT CAN BE **UNLIMITED IN SIZE**, IS EXTREMELY STURDY AND INDIVIDUAL TILES CAN BE **CHANGED** AFTER THE MIMIC HAS BEEN COMPLETED.

### THE SYSTEM

The 'MASTERTECH' system is composed of modular elements. The graphic display is on tiles which are plugged into a grid constructed from interlocking long and short sections. As both tiles and grid are made from polycarbonate (Makrolon) which is a stable heat resistant material, they have matching expansion characteristics.

### THE MIMIC (GRAPHICS)

All artwork is computer generated directly from approved cad drawings. This produces superior quality, exactly as per drawing. CAD information is kept on computer and extensions can thus be done exactly the same as the original thus keeping the quality of installation at a high standard at all times.

All symbols, lines etc are totally engraved and the outline filled in black. This outline engraving improves the visibility, enhances quality and the engraving cannot be removed even with excessive cleaning.

### THE GRID

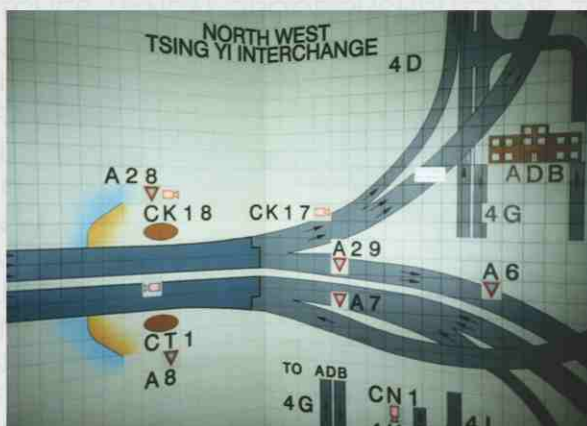
The grid is assembled from interlocking dovetailed sections with staggered joints. This system provides a rigid and robust structure for the mimic panel. The grid incorporates fixing holes for fitting of P.C. Boards etc. The clear rear surface of the grid frame is ideal for neat fixing of wiring trunking etc. If parts are cut or removed to fit instruments, the mosaic grid can be replaced in small modules (2 x 4 tiles). Pre-punched strengthening channel is available for secure fixing with screws onto moulded holes. This is also ideal for fixing components onto the grid.

### THE TILES

Tiles are available in 24 x 24, 24 x 48 and 48 x 48mm in light grey and black. Tile attachment is symmetrical so they can be rotated through 90°. The surface is anti-glare. Tiles (including the first tile) can be removed from the front using a special tool. Tile construction is extremely precise and size does not vary by more than 0.03mm along any edge. The tile fits extremely well when assembled. Rear illuminated tiles are available in single section, double section and triple section illumination. (E.g. Run, stop and trip in 1 tile).

Suitable for any layout, from building fire alarms, conveyor control or Power and Water Reticulation and even highway management (GEC Hong Kong). Suitable for use with layouts that have infrequent changes. It is the more "Upmarket" way of producing mimics as all border units & flow unit borders can be filled in a different colour (Typically Black) to the internal colour, this results in bolder more visible mimic diagrams. Can also be used for mimics which require no colour except the black out lines.

Size: Mosaic Mimics are unlimited in size



## MOSAIC MIMIC ALARM ANNUNCIATOR

The Mosaic Annunciator is a modular annunciator made up of our tile and grid system.

Window sizes are available in 24x24mm, 24x48mm and 48x48mm

The alarm text is engraved onto the window tile and it is lit up on the alarm by a backlight LED indicator.

The annunciator can be supplied with Modbus alarm driver cards, our multi 16 plus alarm system, or without logic; with terminals only.

- 1) Ultra bright, long life, new technology wide angle LED's.
- 2) Plug on industrial type terminals with raising clamp - can accept up to 1.5mm wire.
- 3) Anti glow feature that prevents false indication on induced voltages.
- 4) Built-in lamp test.
- 5) Fixes firmly onto the back of the grid.
- 6) Bright even full face illumination.

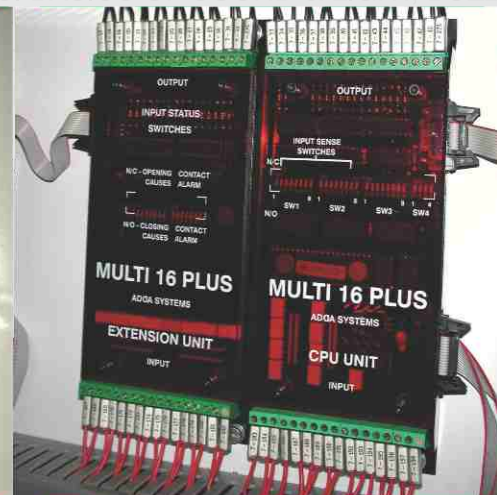


Ghana Mimic showing Multi 16 units with 48x48mm Mosaic display

**KUWAIT WATER TOWER MULTI 16 UNITS WITH ADDAVUE DISPLAYS**



Rear view of ADDAVUE 16 way display units.



**MULTI 16 CPU & EXPANSION UNITS**  
mounted on chasis on side of Control Panel.



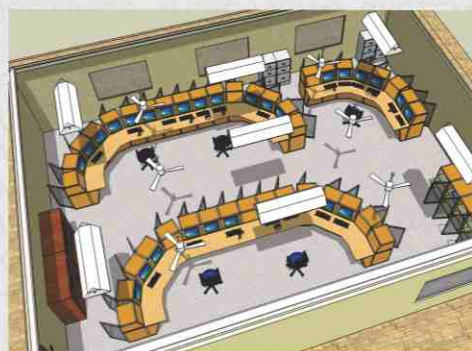
**ADDAVIEW MODULES**  
(This mounting arrangement can save Panel length).

**ZAMBIA COPPER MINE**  
Multi 16 with timer modules  
all in wall mounting Alutech box



## MIMIC CRAFTS DIVISION - Alutech Desks, Consoles & Enclosure

The **ALUTECH** system is an aluminium extrusion system designed to manufacture a wide range of products, including consoles, desks, wall-mount enclosures, and floor-standing enclosures. The consoles, desks and enclosures are all custom-built to the customer's requirements and Specifications, i.e. the shape, size and colour are all decided and approved by the customer. The designs can either be supplied by the customer, or our in-house design team can create a design to accommodate the customer's needs. The products are assembled as a space-frame with "captured" infill panels. The space-frame is bolted together with high tensile grub screws in such a way that all threads are bearing on steel and never on the softer aluminium frame. This construction technique is far stronger than wood joints and ensures a long-life, rigid structure. The **ALUTECH** system is 19" rack compatible. It is modular and can be disassembled for shipping and delivery and can also be extended and modified for future growth. A wide range of colours and finishes are available for both the space-frame and infill panels. This variety of options is guaranteed to satisfy even the most meticulous customers. The final products have an attractive finish and are suitable for both the commercial and industrial environments. They also stand up extremely well in those environments, compared to veneered chipboard alternatives. It is important to establish the required access to the console/desk being designed, before it is manufactured. The **ALUTECH** system has a unique advantage when consoles/desks have to fit against walls or in corners of rooms. Front or side access can easily be achieved. Another important factor is the available access to the room where the console/desk will be installed. Sometimes, where there is only a single door access, the product needs to be split/disassembled to get in to the room. This is an important factor during design



Wide range of custom design options, infills and accessories available.



## MIMIC COMPONENTS DIVISION - Locally Manufactured Components

Their expertise and experience was in supply of operator interface equipment including switches, Pilot Lights, Alarm Annunciators, Digital Indicators, Large Digit Displays, Modbus (RS485) driven Master Clock System and Monitoring Systems etc. Typically as shown below. (Put in products as marked)

### WDCLK....

#### Big Digit Clocks & Counters



### APM4060 Big Digit Display



This range of clocks/counters have been designed specifically for the industrial market for time and counter applications. These modules can be supplied with six digits up to 180mm high and with count/time backup on power failure. All inputs are isolated via opto-couplers giving the units flexibility with regards to the input voltage.

### APMR

#### Apollo Plastic Modular Robots



- Modular Assembly
- Fibreglass reinforced Nylon (P.A.)
- Led Lamp 12 or 24V, 110 or 220V
- 110-220V Filament
- LED daylight visible + 50 000 hours life expectancy
- All fixings are exterior to the lamp housing chambers.
- Wiring channel with knockouts
- Cable gland supplied to maintain (IP65)
- 4 way, 3 way, 2 way or single unit options available

### ERS22

#### Elite Low profile Semaphores

- Ø22mm
- 24, 32, 60, 110 & 220V DC Only
- Direct connect
- Colours: Red (Large bar), Deep Green (Side bars).
- Other colours on special order
- Current: 4mA



### PLROB - IP68

#### Encapsulated Warning Light



This range of encapsulated warning lights are constructed in a clear impact resistant poly-carbonate lens and is available in various brightnesses and colours. The printed circuit board holding the LED's and associated circuitry are encapsulated into the poly-carbonate lens with an epoxy resin. This makes the product moisture proof and highly reliable. These warning lights are available in the steady on state or with built in flashers. The termination for these units is available on the rear of the lens via two M3 brass screws, thus termination with ring lugs is ideal. The units can be supplied including a two entry back box or can be ordered separately.

# AVIATION LIGHTING - AEROLED<sup>®</sup> RANGE

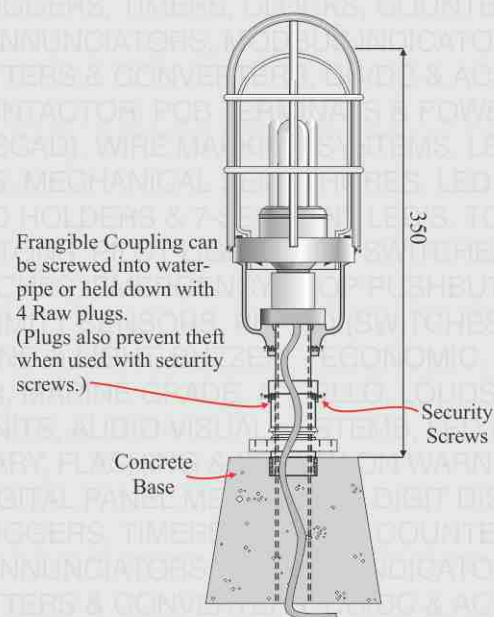
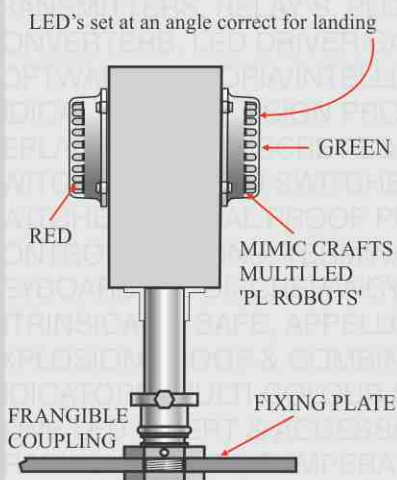
Recent Hospital complete Helipad and installation and certification



Windsock and Solar powered obstruction lights for pole



These are brand new LED powered helipad lights in which the LED's are totally encapsulated. They give off a bright white, red or green light which is highly visible and which needs absolutely no maintenance and 5 years of continuous operation without any maintenance at all. Encapsulation of the LED means that the water cannot ingress into the lamp-holder as happens with conventional helipad lights which need continuous lamp changing and maintenance as water ingresses into the lamp holder. A TRUE FIT AND FORGET SOLUTION.



End of runway light(light aircraft)

Side Light for light aircraft runway



Above shows Mimic Components Reception and Sales staff.



Above shows a section of the factory used for NC engraving and light milling.



Above shows part of factory showing ALUTECH control desk under construction with one of our Control Room Clocks on the wall behind.



Above shows Mimic Group of Companies



**MIMIC COMPONENTS cc**

**ALSO REPRESENTING**

**MIMIC CRAFTS**

