



**TECHROBOTIX**  
TECHNOLOGY NEXT

# PRODUCT CATALOG



## ABOUT US



## We create unique user experiences!

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TechRobotix, is a Private Limited company established in 2009, Headquartered in Mumbai, India with offices across the Indian subcontinent & Middle East. We offer unique user experiences that are innovative yet natural, intuitive and easy to use. We create experiences that break down barriers and seamlessly merge the physical with the digital world. Our main products consists of end-to-end Multitouch, Gesture, 3D projection, Home automation, Projection Mapping, Advanced display & Hologram solutions. Since, experiences span across platforms, We also develop custom software solutions to further enhance the user experience.



## OUR CLIENTS





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## MULTITOUCH SCREENS



Our multitouch screen solutions include high-performance professional monitor with exceptional brightness and image quality. Optionally includes an embedded quad core android pc which essentially makes it into a giant android dektop. To run windows or aother operating system, simply connect your PC to the display using a video output & USB. Custom Multitouch screens available in Full HD, 2K & 4K. Supports unlimited touch points and compatible with Windows, Mac OS X, Linux & Android.

### FEATURES

- **True Multitouch**  
Supports Unlimited touches
- **Available Resolutions**  
Available in Ultra HD (4K), 2K & Full HD
- **Robust**  
Friction free glass with enhanced stylus support.  
Scratch, Water & Dust proof
- **Optional**  
3D ( Stereoscopic & Glass free), Waterproof
- **Available Sizes**  
15", 17", 19", 22", 24", 27", 32", 40", 42", 46", 55", 65",  
84", 98", 103" & Custom sizes also available



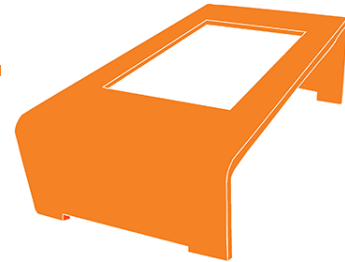
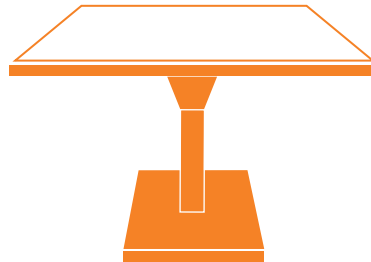
## MULTITOUCH TABLES



Our MultiTouch Tables combine high-resolution display technology, reliable touch functionality and powerful processing performance with robust and modern table design. The use of an interactive multimedia table offers the possibility to cooperate with multiple users at the same time. Housing and shape can be adapted individually. Thus, the device fits perfectly into the color and shape of the environment.

## FEATURES

- **True Multitouch**  
Supports Unlimited touches
- **High Performance**  
Upto 200 FPS
- **Robust**  
Friction free glass with enhanced stylus support.  
Scratch, Water & Dust proof
- **Available Sizes**  
32", 40", 42", 46", 55", 65", 84" & Custom



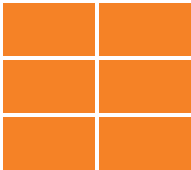
# MULTITOUCH WALLS



A combination of outstanding image quality and excellent touch recognition, our MultiTouch Video Walls offer all necessary conditions for multi-user applications. Multiple people can interact simultaneously and access information. Whether together or in separate processes, Multitouch Walls are an unprecedented interaction and presentation tool.

## POPULAR CONFIGURATIONS

2 X 3



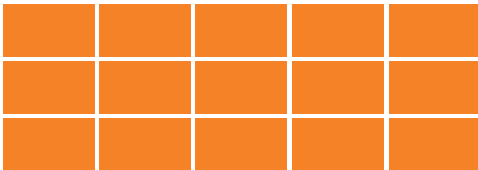
2 X 1



1 X 2



5 X 3



4 X 4



2 X 2



## MULTITOUCH OVERLAYS



MultiTouch Overlay is characterized by precision touchtracking & supports unlimited touch points. Standardized sizes offer the possibility to equip any monitor with a touch frame and transform it into a full multi-touch device.

### FEATURES

- **True Multitouch**  
Supports Unlimited touches
- **Programming Interface**  
Windows Native Touch / TUIO support
- **Easy Installation**  
With adhesive pads on each display / screen setup Plug'n'Play commissioning, comfortable 4-point calibration
- **No Ghost Points**  
Gapless touch recognition that works under any lighting conditions
- **High Performance**  
Upto 200 fps
- **Available Sizes**  
15" - 600"



## TOUCH SCREENS



Durable and dependable, our Touch Screen Monitors have what it takes to perform in demanding point-of-sale (POS), point-of-purchase and public environments. With our experience in rugged and extreme display application experience, we bring this expertise to touch screen monitors, making them the most dependable and well-performing on the market.

## ANDROID PC

The Android PC delivers unique 1080p crystal clear user interface and renders photo-realistic 3D graphics in realtime, the feature that used to be only available in High-End PC workstations. 1.6 GHZ Quad-Core CPU combined with upto 512 GB SSD make this the most powerful Android PC in any market.



## GESTURE BASED SOLUTIONS

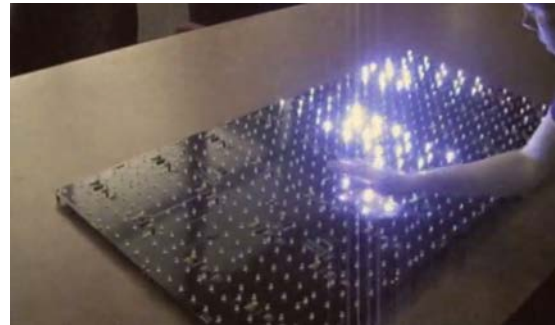


With gesture based systems you are the new mouse and keyboard. Imagine interacting and consuming information in an entirely new way. Use natural hand movements and voice which are instantly interpreted with remarkable accuracy. Gesture based solutions are great for spaces that restrict physical touch screens. This natural and intuitive technology opens up unlimited possibilities, helping you cut costs dramatically, Users have complete freedom to interact with the display device, whether it's right beside them or behind glass. As no contact

is required, it's a completely hygienic product and particularly well suited to fields such as healthcare, window shopping or as a unique communication and display tool at events, trade shows, or anywhere. We specialise in providing end to end gesture based solutions.

## FLOORSENSE

Floor sense is a complete system on chip. It doesn't require any computer, any camera, any software or any sort of display its a complete solution built on a pcb. It can be defined as a smart LED that can intuitively track movements and lights up on doing so. It creates a great visual effect that can be used in almost all scenarios.



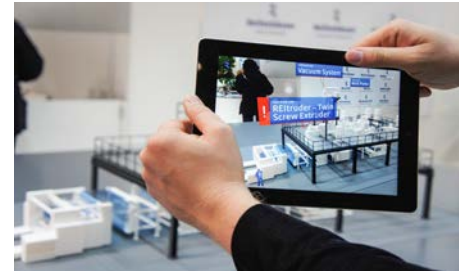
## VIRTUAL REALITY



A 3D Virtual Reality headset this is, by Consensus, one of the most exciting, innovative, and truly different new technology of the last several years. It is the most immersive experience that plunges you into a more distant world and you tend to lose all sense of perspective of the physical, real one that you actually occupy. It provides a 360 Degree field of view with zero Latency.

## AUGMENTED REALITY

We bring you the ultimate interactive virtual experience. It is the unification of digital software and live surroundings that generate scenes in real time, augmenting what you see to connect you with the digital and physical world. Augmented reality (AR) is the integration of digital information with live video or the user's environment in real time.



## PROJECTION MAPPING



Today's high profile events demand the most compelling visual presentations. As a result, projection mapping – the mapping of 2D and 3D designs onto a multi-dimensional surface – is being adopted to amaze and thrill audiences. We have partnered with some of the world's best digital artists to truly get your message across whether the canvas is a small object or a massive township.

## SMART GLASS

Switchable Glass and Film changes from clear and opaque states on demand and provides unprecedented control over the amount of light, privacy and heat that enters a space. Additionally, windows that use Smart Glass or film do not need blinds, shades or other window treatments, thus providing unobstructed views for the occupants. That's just the beginning. Our finished glass and film is also a novel platform for projection and touchscreen effects that can transform store windows, showrooms, and any glass surface into dramatic video displays. Available as a glass, film, or even adhesive, our products can bring these exciting effects to any new or existing glass surface.



## HOLOGRAMS



You've seen it in the movies and on rides in amusement parks. Interactive experiences that seem to reach out and grab you. However, the practical applications of these cutting-edge technologies have been viewed as being in the distant future. Well, we're here to tell you that the technology of the future has arrived. It's here now, totally functional. It catches the consumers attention immediately and leaves an irreplaceable impression on their minds. It has unprecedented clarity and resolution, You can see-through the image and you will see nothing else but the 3D content floating

in the air. This unique effect of objects hanging in the air makes the content and its message well remembered by the audience. This way of promoting information through 3D holographic presentation is a great replacement for common, old-fashioned advertising techniques.



## AIR DISPLAYS



An air display creates a thin suspended layer of dry fog that enables vivid projection of images, seemingly in midair! Guests can walk through the display without getting wet, and the projection surface is formed from ordinary tap water with no additional chemicals. They are great for grand entrances through laser or video projected media.

## PERSONAL AIR DISPLAYS

Digital picture projected in the air is no longer a dream. Air display creates image which is translucent, permeable and, unlike with screen displays, floating in mid-air. Thanks to its accurate gesture recognition system, it is able to capture hand movements allowing for virtual object manipulation in free space. The “basis” of the image is created inside of aerodynamic layer of dry fog which is composed of ultra-fine water droplets. 3-dimensional interactivity is made possible by aid of IR sensors and camera registration.



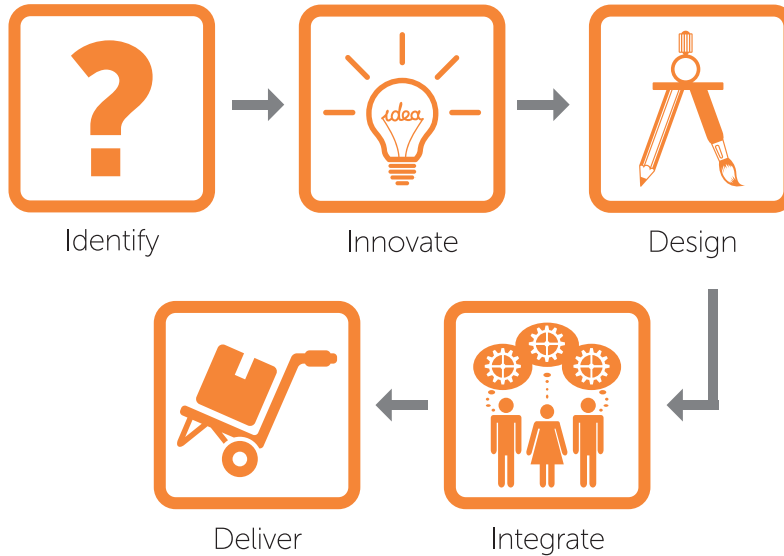
## INTERACTIVE WALL/FLOOR PROJECTORS



Stand out from the crowd and turn your retail location into a destination for consumers. Our interactive display systems are ideal for product advertising, retail merchandising and point-of-sale promotions. Turn any size store window, digital sign, wall, floor, cash counter or other surface into an interactive screen, an informative multi touch surface providing an entertaining 24-hour interactive billboard or portal to multi-media content (product info, advertising or games)



## CUSTOM SOFTWARE SOLUTIONS



We specialise in creating end to end solutions, which combine hardware with software to create an immersive and engaging experience. We provide software development services across all platforms such as:

iOS, Android, Mac OS X, Windows, Linux, Windows Phone, Etc.





Our products represent best-in-class image performance with solutions tailored to the unique needs of each application. Built for the most demanding environments and to customer's exacting standards, Our products offer unmatched performance, durability, and value across our broad product offering. Configuration flexibility, serviceability, and reliability make our products the benchmark for specialty, digital displays and systems.

## TRANSPARENT SCREEN



Our award winning interactive transparent LCD displays allow consumers to view the physical product behind the display.

Our transparent displays and open frame kits are ideal for retail merchandising, corporate displays, museum exhibits, award or trophy cases in education or corporate settings, tradeshow exhibits and a wide range of other architectural applications.

We recently integrated our Transparent Display into a drink cooler. It immediately added dynamism and advertising messages to an otherwise bland piece of equipment.

## INNOVATION OF THE YEAR

“ We’ve seen this concept in action before, but TechRobotix has done a far better job with the execution of their version of the transparent LED panel than any of the previous attempts, and even added a bit of multitouch to the whole equation. What you get is essentially a clear piece of glass that comes alive with impressive imagery, all the while leaving empty spaces on the screen spotlessly clear to look through. Naturally, such technology gives us the impression that we’ve stepped into a movie (Minority Report is the first to come to mind), and has plenty of real world applications, especially in retail. This is innovation at its finest.”

- Stuff India, Jan 2014



## ART DISPLAYS



Our art displays redefine interior spaces by providing endless possibilities for creative expression and offering a dynamic new way to deliver art and information. Art displays can create a desired emotion or build a brand experience in any space. Features three different LCD display tiles 22", 46" & 55". All sizes feature LED backlight technology. Mount tiles at any angle or in any position. Easily scale one image or video over the tile layout.

## VIDEO WALLS

Our LCD Video Wall System delivers a new level of visual performance. This immersive, flexible video wall combines the industry's thinnest profile ultra-narrow bezel LED LCD with improvements in design, installation and service, delivering on its reputation as the best-in-class LCD video wall solution. Our video wall sets a new benchmark with a tiled bezel width as small as 3.7mm, outstanding image quality, simplified installation and maintenance and 24x7 mission-critical reliability.



## LARGE FORMAT DISPLAYS



With a range of large format LCD lines for digital signage and other commercial applications, We provide the most comprehensive and unique lines in the industry. Each of our large format LCD displays is designed for demanding applications with high durability and performance requirements. LCD displays with lasting durability and superior performance. Comprehensive and unique product lines. Thin mounting depth. Designed for demanding applications. Designed for 24x7 operation.

## 4K DISPLAYS

Our Ultra HD professional LCD displays produce resolution and picture quality not before seen in large format LCD displays. With a native 4K resolution, Our 4K Display has four times the resolution and pixel density of comparably-sized full HD displays. When displaying ultra HD content, it delivers clarity and detail that appears sharp even at close viewing distances - no detail is missed. Power supply failover feature for added reliability. Energy-saving LED backlight technology. Available in various sizes in 2D & 3D



## GLASS-FREE 3D DISPLAYS



Our glasses-free 3D displays (auto-stereoscopic 3D screens) show three-dimensional images instantly, without requiring specific eyewear. The sensation of depth is natural and immediate: it amazes, captivates the audience and retains their attention. Out-of-Home communication can now use the striking impact of 3D, for digital signage, advertising, marketing or special events. 3D also enhances the understanding of complex data and professional imaging can now benefit from the same technology.

Our 3D displays are fitted with a high precision lenticular lens, displaying different images for each eye. Viewers are relieved from cumbersome glasses, isolating them from the environment and preventing eye contact. 3D is seen naturally!

Our 3D displays can be viewed in good conditions by an audience of 20 to 50 people spread over an area of 90°, providing viewing distances are respected.

Available Sizes:

Full HD - 21.5", 24", 42", 47" & 55"

4K - 31.5"

Available in Short View, Long View & Short View Double Base



## SMART HOME / OFFICES

Imagine the possibility of controlling all lights and appliances in your working and living environment by using the interface you desire. Imagine, the house intuitively reacting to all your needs. With our extensive range of Home Automation solutions, you can! With our products, you can control lights, appliances, audio, video, security or thermostat settings. Imagine homes with sensors and software to anticipate our needs and help improve our health and energy efficiency.

- Lighting and appliance control
- Heating, ventilation and air conditioning (HVAC)
- Energy/Resource management
- Security and access control (SAC)
- Doors and windows control and monitoring
- fire alarm (FA), fire, life, and safety (FLS)
- CO alarm
- Flood/Water Alarm
- Communications (voice and data)
- Entertainment control
- Information processing (resource management)
- Thunderstorm/Tornado/Tsunami/Earthquake/ Weather warning
- It is all these things integrated into a single package and is quickly including things outside the home



We offer solutions from multiple vendors, based on clients requirement.





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