User Interface

Solutions for

World-Class

OEM Customers

TECHNOLOGY FOCUS:

Flexible Circuits and Sensors

Valmark Interface Solutions™

VIS (Valmark Interface Solutions™) is the industry leader in engineering, manufacturing and testing of human-machine interface (HMI) products. These products include membrane switches, touch screens/sensors, key panel assemblies, graphic overlays, EL lamps, EMI/RFI shielding and printed compliance labeling. For over thirty years, high-tech leaders like Apple Computer, Agilent Technologies, Abbott Laboratories, Sun Microsystems, and Plantronics have trusted VIS quality, on-time delivery, and technical innovation to support cutting-edge products in the most competitive markets.

Electronic, medical, automotive, and office technology control panels depend on sophisticated membrane switch, touch screens/sensor, elastomer touch, and PCB assemblies. With multi-platform CAD/CAM systems, unique ink, dielectric, shielding, silver coating, and encapsulating technologies, VIS works with each customer to develop their optimal solution.

VIS provides high-quality, screen-printed graphic overlays for product identification, control panel assemblies, and signage. Thin-gauge plastics, polycarbonates, PET, PEN, PET-PC, FR-4, polymides, and other base materials are all supported. VIS printed and die-cut shielding products are used by a variety of manufacturers to minimize EMI/RFI in electronic systems. From prototype to final run with attention to attenuation, galvanic compatibility, weight and size restrictions, cost, and delivery parameters at every stage.

CAPABILITIES
- In-house graphic artists and engineers
- Laser image setting and SMT Pick-n-Place
- Digital prototyping and production
- Nitrogen curing for hardcoats and texture matching
- Carousel print process with UV curing
- MacBeth-Gretag light booths, spectrophotometry, for accurate color match
- Accu-gage electronic visual inspection
- Digital and analog membrane switch testing
- Inventory of materials and material science support
- Effective service and support
- Laboratory and agency requirement compatibility (UL, CSA, TUV, etc.)
- CAD-linked laser cutting systems
- Multi-platform CAD/CAM support
- Photopolymer embossing, hydroforming protections

PRODUCTS & TECHNOLOGY
- Touch Screens/Sensors
- Membrane Switch
- Assemblies
- Key Panel Assemblies
- Graphic Overlays
- Electroluminescent Lamps
- EMI/RFI Shielding
- Compliance Labels
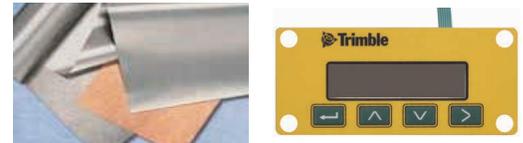
Nidec
—All for dreams

VIS Technologies

INTEGRATED HMI ASSEMBLIES
- Industry leading 1 year warranty
- Low/mid/full travel
- Backer panels
- Housings/enclosures
- Electrical interfaces

SHIELDING PRODUCTS
- IEMI, ESD and RFI protection
- Suppression, isolation, desensitizing
- Wide variety of conductive tapes, foils, adhesives
- Creasing, forming and folding capabilities

OVERLAYS
- Industry leading 1 year warranty
- Low/mid/full travel
- Backer panels
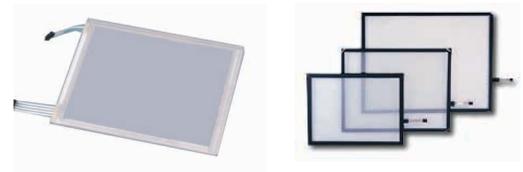- Housings/enclosures
- Electrical interfaces

MEMBRANE SWITCHES
- PCB and flex
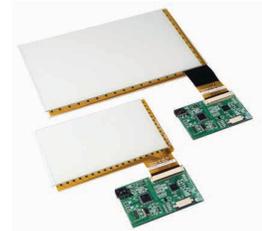- Tactile/non-tactile
- Embedded components
- Backlighting

RESISTIVE TOUCH SCREENS
- Standard and custom configurations
- Pressure sensitive, works with any stylus
- Lowest cost option
- Not affected by moisture, dirt, or grime

PROJECTED CAPACITIVE TOUCH SCREENS
- Standard and custom sensors/controllers
- Multi-touch and gesturing
- High image clarity, resolution, and life
- Wide display integration strategies

EMBEDDED DISPLAY MODULES
- All in one solutions with LCD, Touchscreen, Backlighting, and Controller
- Standard sizes
- Semi-Customizable platforms and options
- visUX – Powerful software for GUI and Screen Development

3.5 inch

5.7 inch

4.3 inch