



stacosystems™

Customized Human-Machine Interface Products for

# **AEROSPACE & DEFENSE**

## **APPLICATIONS**

SWITCHES | DATA ENTRY SYSTEMS | ILLUMINATED PANELS | SUBSYSTEMS

# custom solutions. one-stop shop.

Staco Systems has the expertise to integrate the diverse and custom components that sub-assemblies require, allowing its customers to focus on their core competencies.

## LED PUSHBUTTON SWITCHES & INDICATORS

Staco Systems switches are built in accordance with MIL-PRF-22885 and MIL-STD-3009 to meet the most stringent reliability and safety avionics requirements. We provide a wide selection of illuminated pushbutton switch and indicator options as well as display screen combinations. Below is an overview of the most commonly used switch series in cockpits, for the full range please visit: [www.stacosystems.com/products/switches](http://www.stacosystems.com/products/switches).



Parameters	Series 90	Series 100	Series 200	Series 300
Number of poles	1-2	1-4	1-4	1-2
Ultra compact			✓	✓
Individual mount or matrix mount	✓	✓	✓	✓
Termination	Crimp-pin, solder, or PCB	Crimp-pin, solder, or PCB	Crimp-pin, solder, or PCB	Solder or PCB
Alternate or momentary switch action	✓	✓	✓	✓
Indicator	✓	✓	✓	✓
NBC washdown capabilities	✓ + HIGH SHOCK	✓ + HIGH SHOCK	✓ + HIGH SHOCK	
NVIS compatible	✓	✓	✓	✓
Sunlight readable	✓	✓	✓	✓
LED illumination	✓	✓	✓	✓
Incandescent illumination	✓	✓		
Non reflective display	✓	✓	✓	✓
Drip proof, splash proof, watertight seal options	✓	✓	✓ + Extreme Watertight	
Common or split ground circuit configurations	✓	✓	✓	✓

### The Challenges

The cockpit designs of commercial and military aircrafts have evolved over the past several decades - especially when integrating new technologies in rugged cockpits - yet designers still have to address the following challenges when selecting parts and sourcing vendors:

- ♦ Managing shock and vibration
- ♦ Reducing weight and size
- ♦ Higher reliability and long life
- ♦ NVIS compatibility
- ♦ Sun light readability
- ♦ EMI shielding
- ♦ Spill-proof



## CUSTOMIZED CONTROL PANEL SUBSYSTEMS

Staco Systems offers custom designs and built-to-print control panel assemblies, from prototype to production with no minimum. Through our expertise in illuminated switches, light plates and data entry solutions, and approvals from major aerospace and defense OEMs and system integrators, we deliver value-added assemblies as a one-stop supplier.



Custom NVIS USB Charger



## ILLUMINATED PANELS

Staco Systems Ruggedized Wear-Resistant Illuminated Panels are the toughest, most advanced on the market. They're able to perform in any environmental condition. The patented, durable, polymer material surface and legends will never wear out, eliminating repairs and reducing life-cycle costs.

Staco also offers custom light plates from traditional painted panels, bezels and other MIL-STD assembly types. Contact us for more information: [sales@stacosystems.com](mailto:sales@stacosystems.com)



Custom annunciation capability

## DATA ENTRY SYSTEMS

Staco Systems provides highly customizable keyboards & keypads that meet avionics environmental, electrical, electromagnetic interference, and flammability requirements.

Among the many keyboard options available are colored backlighting, custom shape enclosures, custom keycap/print legends, branding, signal interface (I/O), and accessories/stand-alone pointing devices.

Staco Systems has the capability to manufacture LED backlit keyboards that are NVIS compatible.



Rugged keyboard featuring blue LED backlighting, Hula Point pointing device and smart card reader.



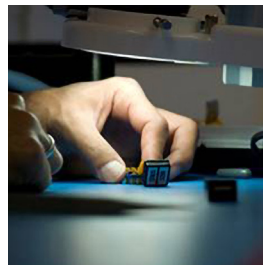
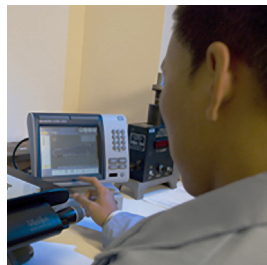
# stacosystems™



Every Staco Systems solution integrates our core expertise in optics, electrical and mechanical design, mechanical packaging, and human factors. Staco Systems is headquartered in North America, with sales support in Europe and Asia.

## Our Mission Statement:

At Staco Systems, our mission is to provide our customers with irreplaceable value in Human-Machine Interface solutions through team member engagement, continuous improvement and industry best practices.



## Contact Us

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