

THE ProCustom GROUP

A dba of Mid Atlantic Computer Services, Inc.

RUGGED LAPTOP AND TABLET CUSTOMIZATION



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Mission Statement

The ProCustom Group will be the market leader in the customization of COTS rugged laptop, notebook and tablet products to specific user requirements for deployment in harsh and demanding environments in military, aerospace, industrial and first responder marketplaces.

Strategy

ProCustom employs a rapid response team of experienced electrical, mechanical and environmental engineers equipped with advanced simulation and 3D CAD tools to quickly model modification scenarios and interact with our customers' engineering teams to define detailed solutions to very exacting requirements. Our organization is optimized to support short to medium product runs of 5 to 500 units and is structured to be highly efficient and cost effective.

About Us

We saw an opportunity to offer customization services standard rugged laptop manufacturers can't. Our background allowed us to start a customer-focused business with a minimum of overhead but with a wealth of expertise across a broad range of computer use in severe environmental applications. We wanted to work directly with our customers to develop solutions that meet their requirements.

We can handle any type of mechanical modifications or integration of COTS components or customer supplier hardware modules or PC cards. We can install format and interface conversion, internal USB Hubs or network switches or integrate video acquisition and frame grabber modules.

[www.procustomgroup.com]

Need for Customization

Rugged portable and laptop computers are designed for tough environments, but are built in large numbers with common configurations. Sometimes an application demands a change, which can range from the simple mounting of an external GPS connector to a complete I/O transition to circular connectors or internal modifications to add custom features. Commercial laptop manufacturers are not set up to do these type of modifications and many times are unwilling to consider customization for less than an advance commitment of 500-1000 units. ProCustom was founded to address these needs.

Resources

Our Customization team of experienced hardware, software, mechanical, and environmental engineers, are ready to develop customized solutions for your requirements using existing laptop products without the limitations of the standard configurations available from the manufacturer.

We also offer a complete range of environmental and electromagnetic testing and certification services for our custom solutions that allow customers to deliver a certified solution to their clients.

Process

A dedicated team that manages your project from concept through development to delivery and support staffs each project.

Our services are implemented using a customization project management system we have developed and has evolved over many years of "good practice" experience, yet is flexible enough to accommodate all types of projects. The project cycle, from initial specification consultation through successful product delivery and long-term support (see graphic below), is optimized to reduce cost and cycle time. This system enables the customization team to work efficiently from small-scale projects to large-scale programs.



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Customization & Testing Examples

The ProCustom Group offers a wide range of customization options covering:

- ① MILSPEC I/O Connectors
- ② Rear MILBOX connector panels
- ③ Protective caps and covers
- ④ Vehicle and aircraft mounts
- ⑤ Testing and Certification

1 MILSPEC I/O Connectors

ProCustom integrates waterproof and MILSPEC connectors on to computers for harsh military applications or industrial environments.



- ▶ Getac V-Series with input power, network and RS232 on MILSPEC connectors.



- ▶ Getac PS-Series using waterproof industrial connector with input power, Ethernet and USB.



- ▶ Input power, network and I/O on MILSPEC connectors on Getac A-Series.

2 Rear MILBOX connector panels

The MILBOX concept converts commercial connectors to waterproof industrial or MILSPEC connectors when access to I/O ports is required in a deployed environment.



- ▶ Getac X-Series with rear MILBOX and MILSPEC connectors.



- ▶ Getac A-Series MILBOX using customer-supplied connectors.



- ▶ Getac A-Series MILBOX with 4-port video capture and I/O on MILSPEC connectors.

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3 Protective Caps & Cables

Many applications use special cards and cables that need protection when using the system in rugged environments. ProCustom is expert in designing custom caps and covers that provide mechanical and environmental protection for these types of applications.



▶ Getac M-Series extended cover for special purpose PCMCIA cards.



▶ Cable clamp for multi channel interface cables.



▶ Cable clamp for multi channel interface cables.



▶ PCMCIA interface cable protection cap.



▶ Getac A-Series protective cap for extended interface card.



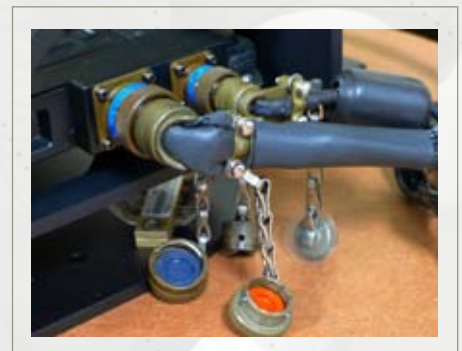
▶ PCMCIA cable strain relief cap.



▶ MIL-STD-1275 NATO power cable interface to laptop power converter.



▶ Dongle cable for laptop converted to MILSPEC connectors.



▶ Waterproof laptop interface cables for vehicle installation.

4 Vehicle and Aircraft Mounts

We specialize in tailoring our mount technology to your specific project and delivering mounts that not only meet the requirements, but that are customized to you specific mounting environment.



- ▶ Vibration protected helicopter and vehicle pouch mount for Getac V-Series.



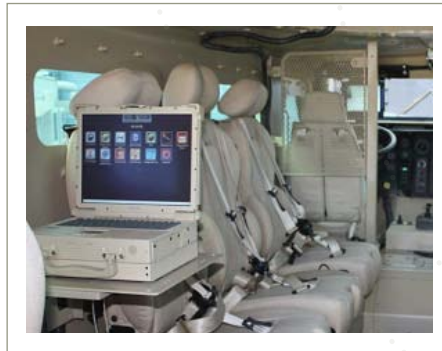
- ▶ Quick release vehicle mount for Getac M-Series.



- ▶ Hard mount with power adapter enclosure for Getac M-Series.



- ▶ Hard mount with power adapter enclosure for Getac M-Series.



- ▶ Folding stowable MRAP mount for Getac A-Series.



- ▶ Folding stowable MRAP mount for Getac A-Series.



- ▶ Tracked vehicle anti-vibration mount for Getac V-Series convertible tablet computer.



- ▶ Tracked vehicle mount with display supports for Getac M-Series.



- ▶ Vehicle hard mount for Getac handheld PS-Series.

5 Testing and Certification

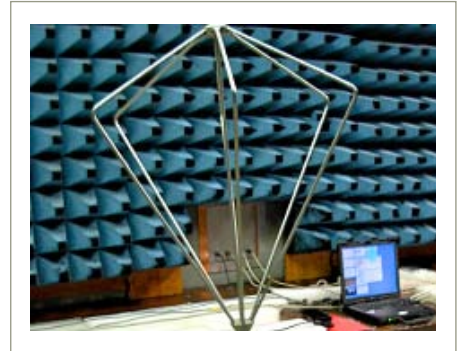
ProCustom offer complete testing and certification of its customization projects and uses in-house capabilities and external partner labs. We can provide test procedures, test reports and certificates of compliance.



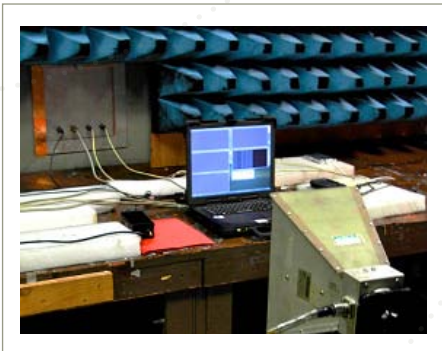
► Temperature and humidity test chambers.



► Electrodynamic shock and vibration test system.



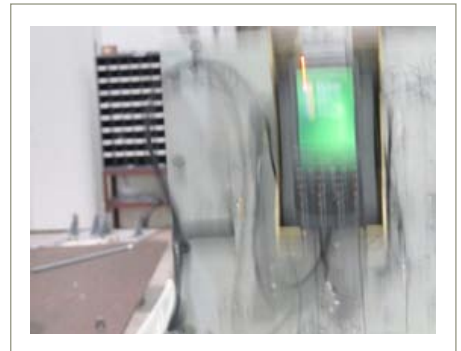
► EMI testing.



► EMI testing.



► Getac PS-Series vibration testing.



► Getac PS-Series vibration testing.



► Getac M-Series vibration testing.



► Getac M-Series shock testing.



► Rain, dust and drop testing.

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