Selecting materials for servers, accelerators and data storage

Boyd has a diverse line of nickel-nickel inorganic substrates suitable for servers, accelerators, and other data storage applications. We use our design, engineering, and material science expertise to guide the selection of high performance materials that improve the performance, quality, safety, and durability of server components.

**Airflow solutions**

Proper airflow management is crucial to ensure consistent airflow, prevent hot spots, and ensure the overall system stability. Our engineers can work with you to develop custom airflow management solutions that are tailored to meet the unique requirements of your server or data storage application.

**Custom thermoformed baffles**

**Custom liquid cold plates**

**Coolant distribution units**

**In-rack liquid cooling systems**

**Thermal interface materials**

**Insulation and shielding**

Proper preparation and installation of EMI/RFI shielding materials is critical to protect against external interference and to ensure the integrity of your server or data storage application. We can work with you to develop custom solutions that provide the highest level of protection against unwanted interference.

**Solutions we offer:**

- Custom liquid cold plates
- Coolant distribution units
- In-rack liquid cooling systems
- Thermal interface materials
- Insulation and shielding
- Nameplates and logos
- Labels

**Nameplates and logos**

Clear component branding helps data center employees quickly identify equipment, speeding up maintenance and reducing downtime. Boyd offers a wide range of nameplates and logos made from durable materials that are designed to withstand the rigors of the data center environment. Our solutions include custom badging, and other branding elements that are both aesthetically pleasing and functional.

**Solutions we offer:**

- Custom nameplates and branding
- Custom nameplates and badging
- Custom logo solutions

**Labels**

Custom labels are essential for maintaining traceability and ensuring compliance with data center regulations. Boyd offers a wide range of label solutions, including system information labels, serialized and barcoded labels, cable wrap labels, part markings, warranty labels, and more. We can help you create labels that not only look good, but also provide the information you need to manage your data center effectively.

**Solutions we offer:**

- System information labels, serialized and barcoded
- Cable wrap labels
- Part markings
- Warranty labels

**Cable management solutions**

Database servers inevitably require a lot of cables and cords to function properly. Organize and identify cables, cords, hoses, and more with labeled wraps for easier maintenance and upkeep of complex systems. Boyd also develops solutions featuring hook and loop straps to fasten cables.

**Solutions we offer:**

- Custom systems and labeling solutions
- System information cable wraps
- Branded cable wraps
- Heat and loop cable wraps

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Boyd engineers have the expertise to guide materials selection and create solutions that improve the performance, quality, safety, and durability of server components.

Contact us to start your next project today.

www.boydcorp.com