

Enclosure Design Tips eBook

Four Articles Show You How to Get Your Design to Market Faster, with the Exact Enclosure You Need, and at Less Cost.

Enclosures represent a significant share of the cost of your design. Smart selection and a little planning will avoid costly mistakes and speed your project to completion. This eBook shows you how.



Inside: Play the THINK FAST QUIZ!

As time-to-market pressures increase, only the swift succeed. Bud can make simple modifications to enclosures up to 3x faster than other suppliers. Do you think fast? Take the quiz and see how fast you think.



► Intro

► Modifying Enclosures

► NEMA Enclosure Tips

► 19-inch Rack Selection

► Enclosure & Cabinet Basics

Modifying Enclosures

Get the Enclosure You Need for Less Money

What distinguishes a simple metal or plastic box from a functional electronic enclosure? Most often, it's the modifications necessary to allow access to the interior, stabilize and protect its contents, and present the appropriate appearance. Enclosures typically need a minimum of one cutout for a power cable and often many other modifications, which can include holes, cutouts, tappings, gaskets, pre-assembly, and finishing.

Following a few simple tips helps designers get their products to market on budget with the exact enclosure their design requires.

[Read the article to learn more.](#)



THINK FAST QUIZ #1

Six Flags' Kingda Ka is the tallest coaster in the world and also the fastest in North America. How fast does it travel?

Answer:



How to Modify Your Enclosures in Five Days

[See more videos](#)

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Choosing the Right Material for Your NEMA Enclosure

NEMA standards define the various levels of environmental protection. When an application is outdoors, wet, dirty, or washdown, NEMA enclosures are the obvious solution.

What's not so obvious is which type of material to select. Many engineers automatically choose metal enclosures – wasting money and flexibility. In fact, economical NEMA enclosures are available in plastic, die-cast aluminum, steel and aluminum sheet metal, and fiberglass. Each type of material has its pros and cons, and it's an important decision, because it determines how and where the device can be used. The choice of material depends on the application, budget, and degree of customization required.

[Read the article to learn more.](#)



THINK FAST QUIZ #2

Taipei 101, Taiwan

Answer:



[SEE VIDEO](#)

Low-Cost Stainless-Steel NEMA Metal Boxes

Fully NEMA rated and costs up to 40% less than competing enclosures.

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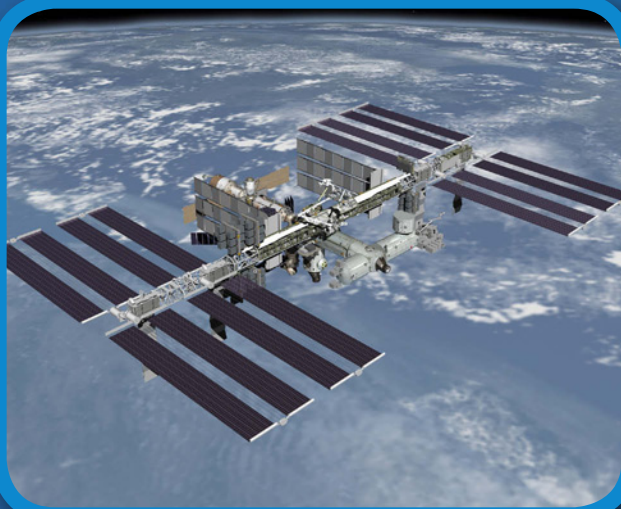
19-inch Rack Selection

Selecting an Economical 19-inch Rack System

In today's tough economic environment, engineers and system integrators are under increasing pressure to optimize their designs and find low-cost solutions for their 19-inch rack systems. While an abundance of manufacturers and suppliers offer a variety of 19-inch racks and accessories, it can be a challenging task to select the right components that will provide the best value.

The rack's construction, accessories, and customization capabilities should be taken into account. This article tells you how.

[Read the article to learn more.](#)



THINK FAST QUIZ #3

16 times

Answer:



[SEE VIDEO](#)

Server Rack Professional Series

Fully loaded with all the features of a high-end rack – for less!

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Enclosure & Cabinet Basics

A Basic Guide to Cabinets and Enclosures

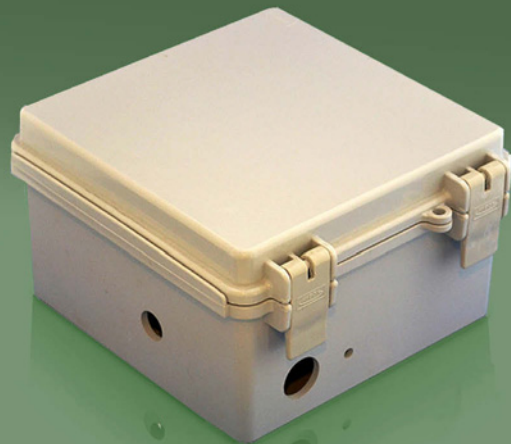
The selection of a cabinet, enclosure, or other packaging for an electronic product presents the designer or systems integrator with a variety of choices, in addition to certain criteria that will be dictated by the nature of the application. This article summarizes the basic types of cabinets and enclosures available in the marketplace today, along with some of the more important issues of packaging for electronic systems and products.

Using this information, designers can begin to evaluate their options quickly, so they can focus on selecting the optimum solution for their applications. Remember, many enclosure solutions can be delivered with custom features or modifications that tailor them precisely to a particular application.

[Read the article to learn more.](#)

**Same-day
shipping
on more
than 2,300
enclosures**

**Placed end to end,
Bud enclosures
in inventory
would span
535 football
fields.**



THINK FAST QUIZ #4

5 days

Answer:

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► NEMA Enclosure Tips

► 19-inch Rack Selection

► Enclosure & Cabinet Basics