



Yuel Beast Designs Motif Monument

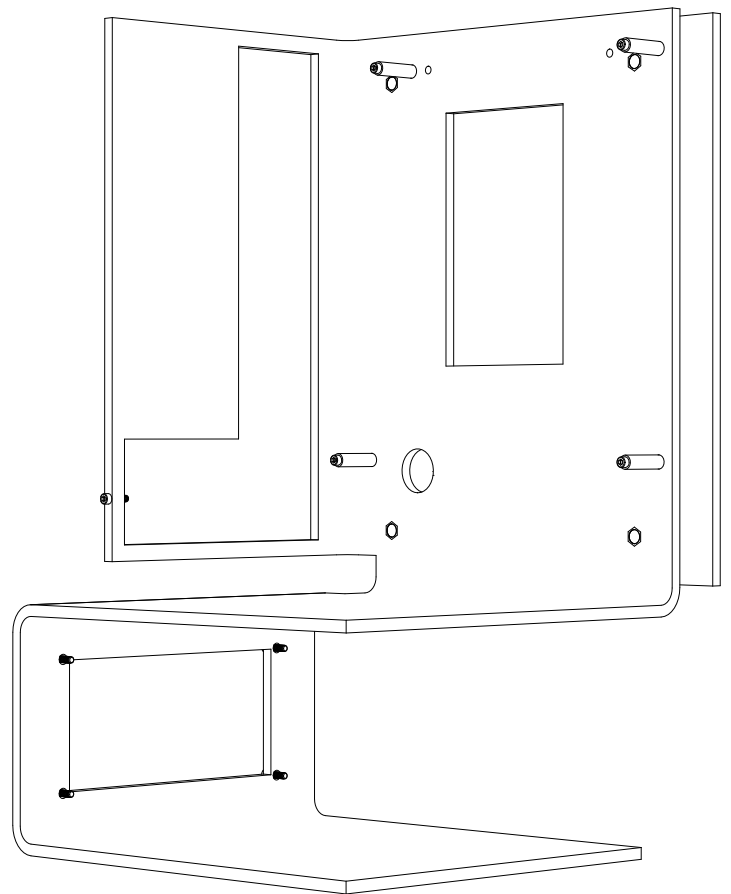
Thank you for your interest in the Motif Monument. This is an open chassis for Mini-ITX motherboard computers. The purpose of this design is to present small form factor components in a compact and elegant configuration. The Monument and all of our other products are designed and Manufactured in the United States.

The Motif Monument is the result of careful consideration of form and function. The design began as a simple shape that was gradually adjusted to accommodate most combinations of compatible components. The finished build is meant to function as a showpiece computer without significantly sacrificing performance potential.

The chassis consists of 2 pieces of 3/16" steel that are painstakingly cut, bent and finished to the highest possible manufacturing standards. The unique shape and small size present many fabrication constraints that do not allow for error in the production process.

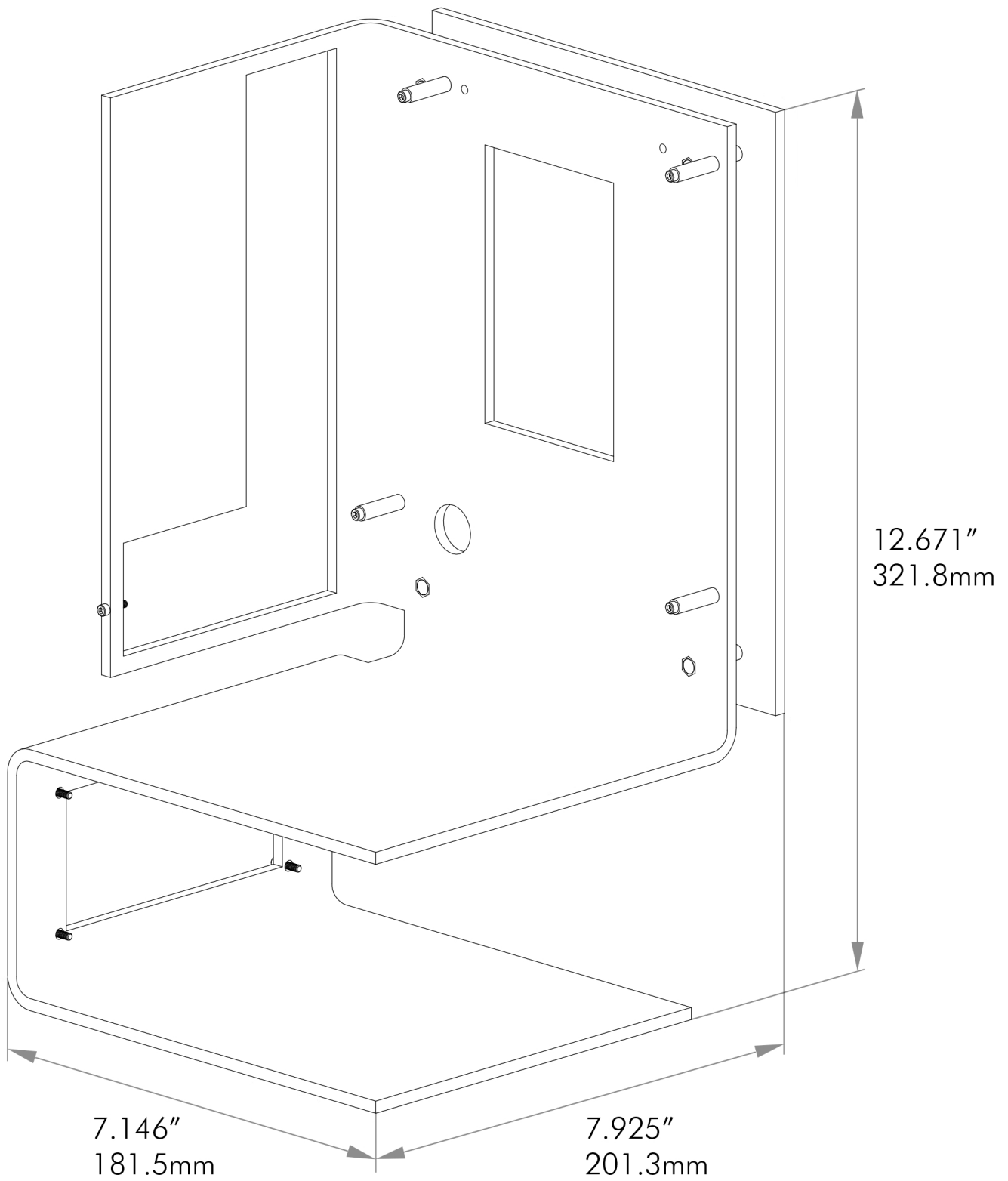
This is a project kit designed for advanced PC builders who have experience and familiarity with the challenges of custom PC building. We hope this product will be an important part of your next build and that you will make something both useful and captivating. Enjoy!

-Eric and Ken, Yuel Beast Designs



Scan this QR code to see completed build photos and up to date info about our products.



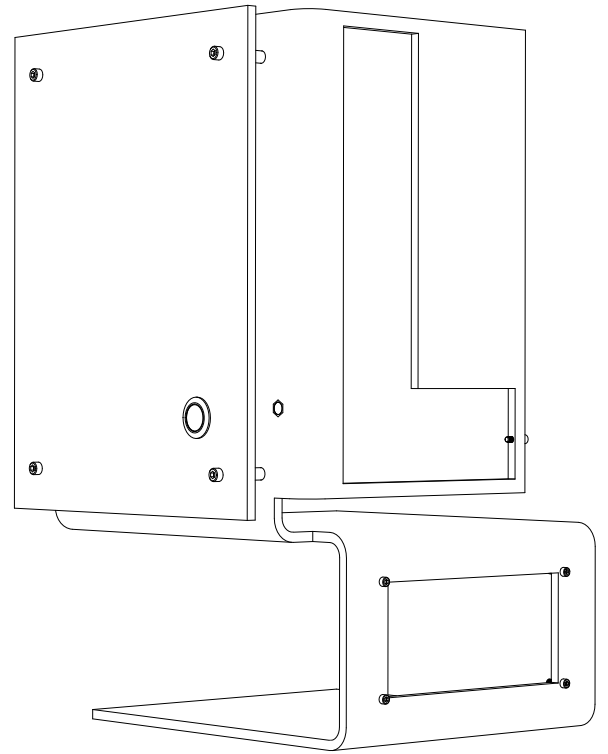


Fabrication and Material Specifications

The body and backplate begin as 4x5' sheets of 4.5mm thick hot-rolled steel. Two parts are made using a 2500 watt CNC laser cutter. The main body is bent in four places using a two die setups on a precision hydraulic press brake.

The GPU mounting hole is machined into the edge of the I/O flange and tapped with a 6-32 thread using a custom drill fixture. The female threaded 6-32 standoffs for the backplate and motherboard are hydraulic pressed into the steel. Then the body and backplate are bead-blasted for a smooth, consistent pre-finish. The final step is a powder coating process. The parts are hung up, electrically charged, carefully sprayed and placed in a curing oven.

Each unit is hand numbered and quality assured before shipping.



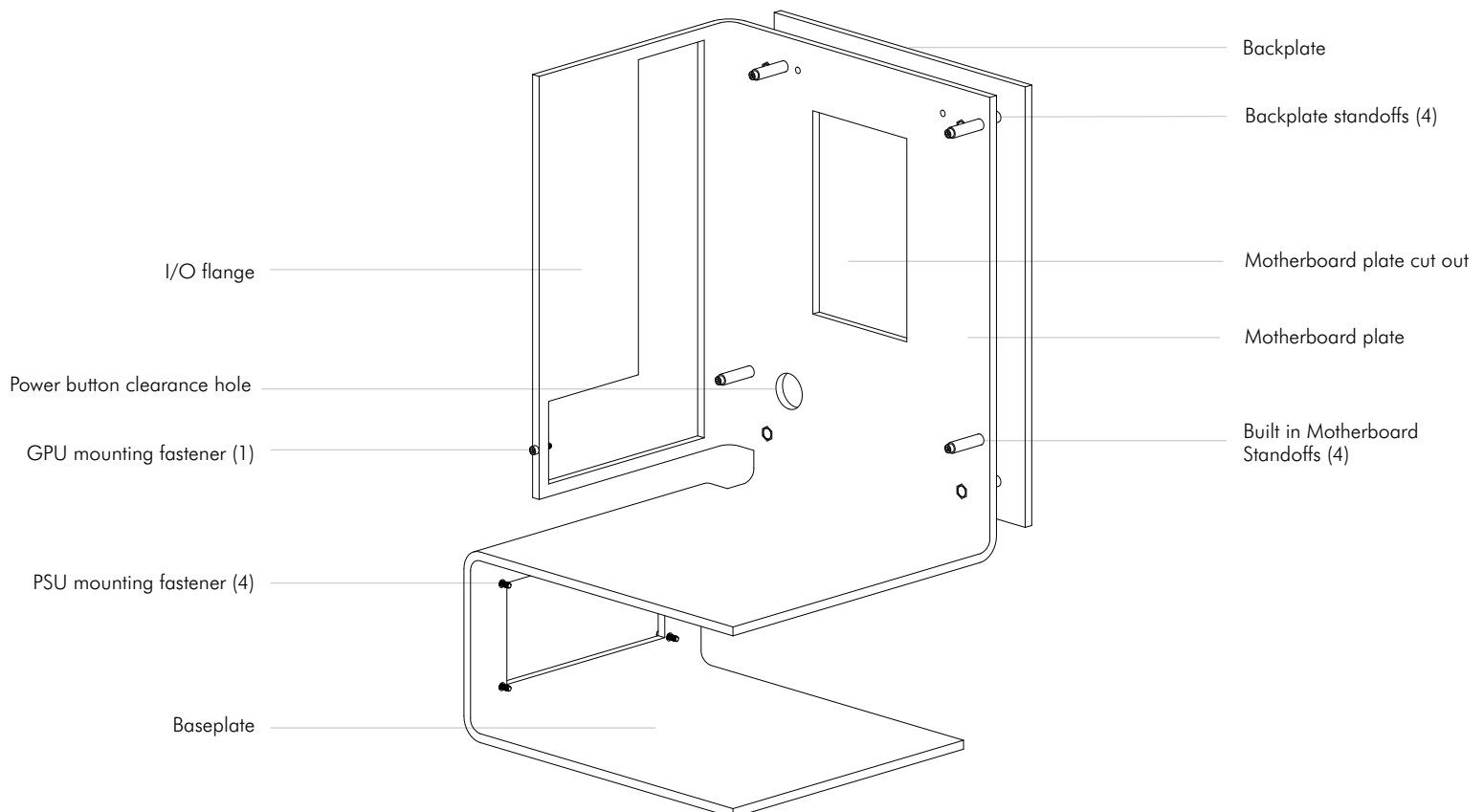
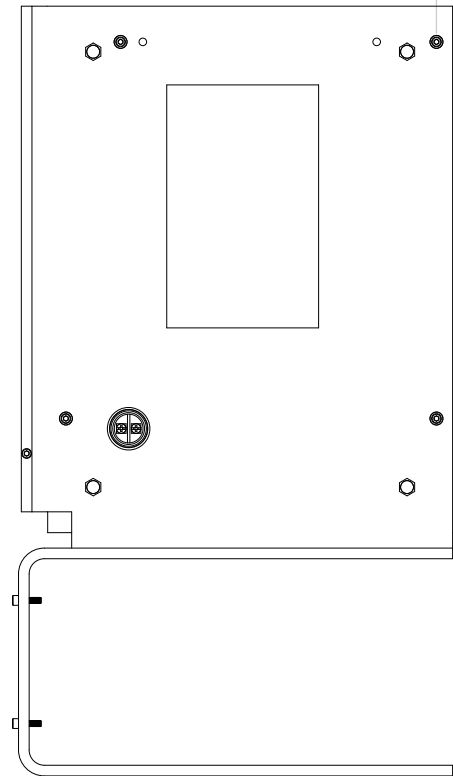
Included Parts and Hardware

1. Chassis
2. Backplate
3. Motherboard fasteners (4)
4. Backplate fasteners (4)
5. PSU fasteners (4)
6. GPU mounting fastener (1)
Black-oxide alloy steel socket head screw
7/64 head, 6-32 thread, 3/8" long
7. Hex wrench for fasteners
8. 16mm power button
9. Power button wire with ferrule ends
10. Power button o-ring
11. Self adhesive rubber feet (4)



Assembly Instructions

1. Locate the 4 motherboard stand-offs that are built into the chassis and fasten your motherboard into place. Monuments manufactured prior to 2021 have threaded holes, where standoffs can be screwed in by hand.
2. After installing the motherboard and seating the GPU in the PCI Slot, screw the GPU mounting fastener into the threaded hole on the edge of the I/O flange.
3. Mount the PSU to the four through holes on the bottom portion of the chassis.
4. Wrap the O-ring around the power button at the base of the threads. Insert the button into the through hole on the backplate and secure it with the silver hex ring.
5. Insert the ferrule ends of the power button wire into the terminals and tighten the two screws.
6. After running the PSU cables through the motherboard plate cutout, mount the backplate to its four standoffs using the backplate fasteners. Again, early versions of the Monument will have tapped holes for the backplate standoffs to be screwed in.



Recommended Components

Motherboard

The Motif Monument is designed to be compatible with Mini-ITX motherboards. We recommend using a board with two M.2 ports as there is little room for a 2.5" SSD. It is possible to install a 2.5" SSD behind the motherboard or backplate, but it is not recommended.

CPU Cooler

The chassis was designed with moderately sized air coolers in mind. The bequiet! Dark Rock TF or similar provide excellent cooling in an appropriately sized form factor. There is no aesthetically pleasing configuration for closed loop CPU coolers or custom water cooling, however we encourage users to experiment with different solutions.

RAM

As this design is best suited for air coolers, use a relatively low profile RAM that will fit underneath your CPU cooler. We had success with Corsair Vengeance RGB.

GPU

While any 2 slot GPUs can be mounted, it is highly recommended to use a small form factor GPU. The chassis is approximately 7" wide, using a significantly longer GPU may look unbalanced. Three slot GPUs are not guaranteed to fit well, especially if you intend on running the GPU power cable underneath it.

PSU

The mounting holes on the PSU flange are compatible with SFX PSUs. Only use fully modular PSUs as custom cables are recommended to make a clean build on this chassis.

Power Cables

This case was designed to use custom sleeved PSU cables. In our production prototypes, we successfully used 60-70cm PSU cables, though it is highly recommended that you take careful measurements with your own components installed on the case. The backplate has plenty of room for cable management clips to properly arrange the runs in an organized way. Feel free to cut, crimp, and sleeve your own cables or buy professionally made cables and accessories from third party vendors such as Cable Mod or Mainframe Customs

Power Button Mounting Hole

The Motif Monument does ship with an included button. There are a pair of through-holes on the bottom right of the backplate that are specifically designed for a 16mm momentary switch.

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