

Cantina Creative develops new workflows with **HP Z6 G5 A**

Case study



Adobe® test project: showcasing the new abilities of Adobe® Substance by creating 3D™ objects in the application, then exporting those assets to After Effects for finishing. A full CG frame at 4264 X 1640 rendered up to two times faster than on other comparable workstations at the studio.

Pushing boundaries

Boutique design and visual effects studio Cantina Creative is known for bringing fantastical and futuristic ideas to life. From creating a CG leather map for “The Lord of the Rings: The Rings of Power” to crafting technology user interfaces (UIs) for “Avatar: The Way of Water,” the company has specialized in design-driven storytelling since its founding in 2010. Over the years, Cantina Creative has grown and evolved, notably adopting a hybrid setup in 2020 and becoming part of the Territory Group in 2022. Today, the studio maintains offices in Los Angeles and Vancouver, with about 25 artists working locally and remotely at any given time. HP workstations have long been a key part of its workflow, so when given the opportunity to test the new Z6 G5 A featuring the AMD Ryzen™ Threadripper™ PRO CPU provided by HP, the Cantina Creative team jumped at the chance.



Adobe® test project: showcasing the new abilities of Adobe® Substance 3D™ by creating 3D objects in the application, then exporting those assets to Maxon's Cinema 4D and Autodesk Arnold for rendering. A full CG frame at 3840 x 2160 rendered up to three times faster than on other comparable workstations at the studio.

As soon as we found out about the HP Z series with Threadripper, we immediately wanted to try it out. We do a lot of CPU-based rendering with [Autodesk] Arnold and Threadrippers come in super handy for that.

Stephen Lawes
Cantina Creative Co-founder and Creative Director

Infrastructure explained

With a hybrid workflow, Cantina Creative artists can work from anywhere in the world and remotely access workstations at either studio location. If needed, projects can be isolated so artists must be physically present to work on them. Currently, nearly two thirds of the studio's owned workstations are HP.

We've gradually migrated to HP for most of our production machines after seeing how powerful they are. We prefer to purchase our hardware, and the speed and cost they offer is a really good balance for us.

Douglas Renn
Cantina Creative Director of Technology

Regarding the Z6 G5 A specifically, Our problem now is that our artists don't want to use anything else because this is so much faster. It's hard to put that genie back in the bottle.

Stephen Lawes
Cantina Creative Co-founder and Creative Director

Benchmark testing at Cantina Creative was on an HP Z6 G5 A. Here are the specific machine specs:

Machine Specs:

- AMD Ryzen™ Threadripper™ PRO 7975WX processor
- 128GB GB memory
- 1TB HP Z Turbo M.2 SSD storage
- NVIDIA RTX™ 6000 Ada graphics



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