

CHECKLIST

The Industrial Designer's Workstation Checklist

Unleash groundbreaking performance to take on complex AI workflows with sleek, thin, battery-efficient AI PC workstations from Sehi Computer Products and HP.



Whether you're running complex CAD assemblies, rendering photorealistic visuals, or fine-tuning 3D models, the right workstation makes all the difference. Here are seven must-have features to ensure your workstation keeps up with your creativity.

1. High-Performance AMD Processors

Industrial design workflows thrive on processing power. HP Z Workstations equipped with AMD Ryzen™ AI Max PRO Series Processors deliver massive core and thread counts to handle simulation, rendering, and multitasking with ease. *Take on new workflows and gain cutting-edge performance to power through demanding AI-workloads with powerful AMD Radeon™ integrated graphics.*

2. ISV Certifications for Critical Design Software

Your workstation should be as reliable as your designs. HP Z Workstations are ISV-certified to run applications like SOLIDWORKS, Creo, Keyshot, and other industry-standard tools. *That means peace of mind, fewer crashes, and guaranteed compatibility with the software you depend on.*

3. Pro-Grade GPUs for CAD and Virtualization

For designers and engineers, lag is the enemy of design precision. With professional-grade graphics, HP Z Workstations ensure fluid 3D navigation, crisp visuals, and responsive CAD performance. *So, you can manipulate complex assemblies or render lifelike concepts in real time, even while working within multiple apps and data types simultaneously.*

4. Tested Stability and Reliability

Design cycles can't risk or afford downtime. HP Z Workstations undergo 360,000 hours¹ of testing to handle intense workloads and extreme environments. *With rock-solid reliability, you can focus on creating instead of troubleshooting.*

5. Scalable Memory and Storage Capacity

From detailed assemblies and components to massive 3D render files, individual design demands storage and memory headroom. HP Z Workstations provide direct and fast access to a massive, unified pool of system memory. *The unified memory architecture allows you to assign up to 96 GB of memory² exclusively to the GPU — rivaling the memory in two high-end graphics cards. Run multiple applications smoothly at the same time with data transfer rates up to 8,000 MT/s.²*

6. Windows 11 with Microsoft Copilot for Productivity and Security

With Windows 10 end of support nearly here (October 2025), you need a workstation that's ready for what's next. HP Z Workstations powered by AMD run on Windows 11, delivering a modern, intuitive interface designed to streamline demanding AI-driven workloads. *Built-in security protects sensitive design files and IP, while collaboration features help you share and present concepts seamlessly across teams.*

¹ HP, [HP Z Desktop Workstations and Rack Mounts](#), © 2025.

² HP, ["Transformative AI Performance. Redefining Workflows."](#) 2025.

7. Future-Ready Expandability

As time goes on, your projects will only get bigger and more complex. HP Z Workstations are built for growth, with easy expansion options for storage, memory, and GPU upgrades — *so your workstations evolve as your designs do.*

Conclusion

If your current setup doesn't check all seven boxes, it's time to upgrade to HP Z Workstations, powered by AMD, built for the demands of industrial design, engineering, and beyond.

Explore the full lineup of HP Z Workstations from Sehi today.



About Sehi Computer Products

Family owned and operated since 1983, Sehi Computer Products has become one of the largest independent technology solution providers in the United States. We have built a solid reputation based on our technical expertise and ability to provide valuable technology solutions while meeting customer budgets and needs. Our portfolio includes desktop computers, mobile computing, servers, printers and supplies, networking equipment, and data storage systems plus multiple other IT solutions. With a diverse array of loyal customers from the education, government, and healthcare industries, Sehi provides services to customers both large and small. With locations in both Michigan and California, Sehi is ready to serve you!



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