



Guide to AEC Workstations

**BIM
BOX**

atg 

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introduction

“It was empowering for us to invest in our staff’s success. When it came down to it, it was honestly a no-brainer.”

— Matt Allen, Director of Construction Technology
McKinstry CO., LLC

In the AEC industry, our computer is the main tool we use to engage in the digital environment. As in every trade, a person’s ability to produce comes down to their experience, skill and the tools used to execute on those skills. Pairing an expert with the right tools can elevate skills, accelerate workflows and drive projects to the finish line.

The Challenge? Finding the Right Tool.

Not all job titles and workflows require the same computer, so ensuring each person has the right tool is critical to that person's ability to execute at a high level. For example, a BIM Manager needs a different system than a laser scanning technician, and a VDC manager needs a different system than a visualization manager.

With a wide variety of options, there are many things to consider when purchasing a new computer: software requirements, type of system (gaming system or workstation?), support availability, etc. Recommended hardware specifications for software can be hard to understand. You may have purchased a "high-end" system to meet these requirements, but you were underwhelmed with its performance. **You end up with a machine that doesn't fit your needs or improve your workflows.**

When you're faced with system problems, customer support can't provide a fast answer. With these considerations, it can be an overwhelming and tedious process to find the right system for your specific workflows. If this sounds like you, it may be time for a new computer.

The Solution? BIMBOX.

Luckily, there's a computer that is built specifically for AEC professionals (and built by AEC professionals!). With BIMBOX, you get the speed of a gaming system and durability of a workstation with advanced hardware optimized for the applications you use, such as Revit, Enscape, Lumion and more.

BIMBOX uses a customized cooling method called direct die cooling with a delidded processor, enabling users to design, visualize, capture and coordinate faster than ever.



Clock Speed + Custom Cooling Process

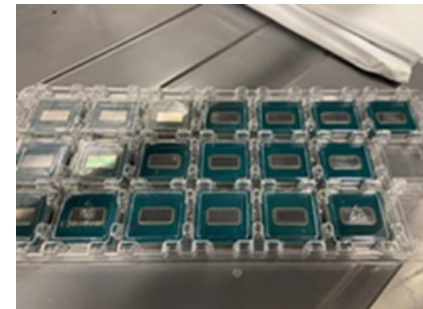
BIMBOX is the only computer manufacturer that offers a true all-core overclock. The Stryker III workstation is the fastest production system ever produced that is made specifically for AEC. We achieve and maintain an all P-core clock speed of +5.6GHz for extended professional use with our exclusive Direct Die Cooling process. Direct Die Cooling is a process where the cooler is mounted directly to the CPU die. The processors must be modified by delidding the CPU. Delidding a processor begins with removing the Intel heat spreader and ends with a polished CPU die ready for a paper-thin layer of highly conductive liquid metal.



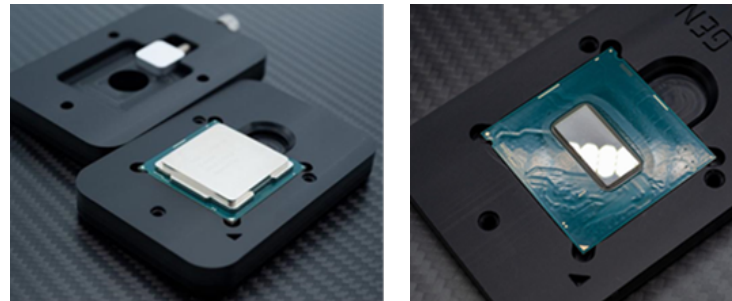
BIMBOX Engineer at Die Polishing Station



Batch of Processors Waiting to be Delidded



Delidded Processors Ready for Build Station



Stock i9 Processor in Custom Delid Tool

In addition to delidded processors, BIMBOX uses high performance server-grade 360mm liquid coolers to ensure that processors run at peak speeds with extremely low temperatures – even with the heaviest of workloads. The chassis is engineered to provide the highest cooling performance. It is made of lightweight aluminum to create a positive pressure, with two 120mm intake fans and three 120mm exhaust fans that pull air through the radiator and an additional 120mm exhaust fan mounted at the back of the case to expel heat out of the chassis.

BIMBOX provides the best experience that ensures users spend less time waiting and more time getting the job done. Our focus on cooling prioritizes speed and performance, which is what makes BIMBOX the ideal choice for AEC professionals.

True AEC Professional Support

Stop the endless circle of support tickets with all-inclusive BIMBOX technical support. BIMBOX supports not only your system, but your Autodesk software as well. No other manufacturer offers support for Autodesk, but we include it.

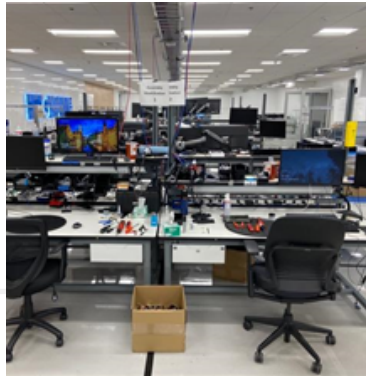
Upon contacting BIMBOX support, a technician will get right to work with troubleshooting to determine what the issue is, or work with you on a predetermined issue.



Production Partner & Facility

In 2021, BIMBOX began its partnership with a global leader in computer technologies and logistics, to manage our supply chain, production and warranty through their North American integration facilities. These integration facilities are anti-static, dust-free environments staffed with highly trained engineers capable of incredible production output and the highest quality control in the industry.

This partnership has allowed us to grow rapidly, service large enterprise clients and increase our hardware allocation, while focusing on our clients and product development. Even with the high demand for PC components, we can fulfill orders of any size and ship within 14 days.



Mira Loma, CA production facility

Stryker IV

The Stryker series workstation is made for single core applications, which means they do not leverage more than one core. The key to their performance is clock speed and IPC. The Stryker IV includes an Intel Core i9-14900K delidded processor with direct die cooling technology. While many of us use single core programs, we all multi-task, which is where the Stryker IV stands out. With the +5.6Ghz all P-core clock speed, your applications will get constant “boost speed.” you don’t have to guess if your application is getting the “boost speed” they all are, all the time.

Paired with a MSI Spatium M480 Pro NVMe PCIe 4.0 SSD and blazing fast DDR5 6000 RAM, this system is not only fast, but incredibly responsive, making everything you do happen almost instantly so you can stop waiting for things to happen and take back your day.



Base Model:

- Full Tower
- Intel i9-14900K Delidded Processor
- 360mm Direct-Die Cooling
- ASUS Z790 ROG Maximus Hero
- 32GB DDR5 6000 RAM
- 1TB MSI Spatium M480 Pro NVMe PCIe 4.0 SSD
- Nvidia RTX4060 8GB GPU
- 1000-Watt PSU
- Windows 11 Pro OEM
- Wireless Mouse and Keyboard
- 3-Year Full Warranty

Optimized For:



The Osprey

The Osprey is the most configurable workstation offered anywhere and is built to suit professional reality capture specialists. Configurable from 32 cores to 64 cores, offering up to 32TB NVMe storage and the fastest high-capacity RAM kits available, this system drastically cuts processing times for point clouds, models and more.

The Osprey systems are built for big data and expandability, with larger capacity options for high-performance drives to handle the data bloat that comes from large projects with thousands of scans. We often find people with a powerful, high-end laser scanner trying to process point clouds on a laptop that just can't handle the data.

Once you have bought into the process, hired a technician, bought a scanner and gone through training, the last piece of the puzzle is to get a system that can crunch all the data you create in the field.



Base Model:

- Full Tower
- 5975WX 32|64 AMD Threadripper
- 360mm Direct-Die Cooling
- ASROCK WRX80 Creator R2.0
- 128GB DDR4 3600 CL16 RAM
- 1TB MSI Spatium M480 Pro NVMe PCIe 4.0 SSD
- Nvidia RTX4060 8GB GPU
- 1000-Watt PSU
- Windows 11 Pro OEM
- Wireless Mouse and Keyboard
- 3-Year Full Warranty

Optimized For:



conclusion:

Our team of AEC System Specialists have worked in the industry and understand the frustrations that come from underperforming systems. It's a huge relief to have a one-on-one consultation with a specialist who understands what you do and what hardware is best for your needs.

They will listen to what you do and what your goals are, find out what type of software and hardware you work with, then walkthrough the recommended system and why it will be perfect for what you do.

If your company is looking to define hardware standards, our team can help define system specs and work with your IT team to ensure seamless integration of our hardware.

**BIM
BOX**



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ATG is a Platinum Autodesk Business Partner and the exclusive provider of BIMBOX solutions.

Founded in North Little Rock, Ark., in 1992, ATG is a leading design technology partner that assists customers in maximizing the value and adoption of advanced technologies for competitive performance in the AEC sector. ATG collaborates with customers across the United States through partnerships with Autodesk, Leica, 3DR, Microsoft, Panzura, and more.

ATG believes you deserve more than *just* an Autodesk Reseller. We're here to be your complete AEC technology partner.

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