micromine

System Requirements

The following information outlines the recommended system requirements to run the Alastri suite of products. As the hardware required depends on the complexity of the mine and the amount of data, meaningful minimum requirements cannot always be listed. Ultimately the only way to know whether specific hardware will work for a specific mine site is to validate the software's performance during the free trial period.

- For large multi-pit mines with raw LIDAR surfaces and block models with 80M blocks the requirements will be at the extreme end.
- The minimum requirements will only support small mines with a small block model and surfaces with low triangle counts.
- Please note that as our software develops over time, these requirements may change and hardware upgrades may become necessary.

Component	Minimum	Standard (Recommended)	Extreme
Processor	Intel i5	Intel i7	Intel i9
Memory (RAM)	8 GB	32 GB or 64 GB	128 GB
Operating System	Windows 10 x64	Windows 10 x64	Windows 10 x64
Video Memory (GRAM)	2 GB	8 GB	12 GB
Monitor	1920 x 1080	Dual 1920 x 1080	Triple 1920 x 1080
		Maintaining 100% dpi scaling is very strongly recommended - so 4K monitors are only recommended for screen sizes greater than 40".	
Video Connection	HDMI, DisplayPort, DVI, VGA - *USB not supported*		
Video Driver	**Driver no more than 6 months old (OpenGL 4.6+)**		
Video Card (GPU)	Dedicated Nvidia or ATI Video card - less than two year old with up-to-date drivers and 6GB dedicated memory. RTX/GTX cards are preferred over Quadro cards.		
Hard Drive	Solid State Drive with at least 50 GB Free		
Power Connection	AC Power - *Battery power not supported (plug in the laptop)*		
Network Connection	Consistent, reliable, high speed (>1 MB/s) connection to the Internet. For Alastri to provide the highest standard of support, transferring large amounts of data, such as block models, laser surface scans, etc. over the Internet will be required.		
Software Prerequisites	.NET 4.7.2, Microsoft Excel Microsoft Visual Studio 2019 C++ Redistributables (https://aka.ms/vs/16/release/vc_redist.x64.exe)		
Input Devices	Keyboard and Mouse with a left mouse button, right mouse button, and middle mouse button/scroll wheel		

The internet license authenticates your purchase key, name and email against your details on the Alastri server.

VPN

Alastri always recommends saving your data and working of your local drive for the fastest and safest experience possible, however if required users can access their work network remotely via a VPN. Before logging into the Hub the user must fully establish a connection to the VPN before proceeding. If a proxy is also required the user must enter these details, which can only be provided by your IT, prior to logging into the Hub and after the VPN connection is established.

Working Offline

You can use the Extended Checkout feature to hold licenses offline for a number of hours. Normally the maximum checkout time for licenses is seven days. Each product required will need to be checked out individually. Haul Infinity will automatically be checked out if the user checks out Tactical Scheduler first. If the user requires Rapid Reserver to be embedded, Rapid Reserver will need to be checked out separately.