



High-end total stations and inertial navigation systems (INS) can be costly and require constant calibration and line-of-sight, while the RigAligner offers plug-and-play accuracy at a fraction of the cost.

- Independent of GPS & magnetics – Works in underground, highwall, and remote environments.
- Faster & easier than total stations – No need for complex setups or additional survey crews.
- Consistent accuracy in tough conditions – Withstands vibrations, temperature shifts, and rough handling.

The NovaCompass RigAligner

- Built specifically for harsh mining and construction environments.
- True north determination: Utilizes Earth's rotation—no GPS needed.
- High precision: Ensures accurate drill rig alignment for optimal drilling accuracy.
- Improves drilling outcomes: Optimizes blast accuracy, reducing fly-rock and minimizing rework.
- Mounts directly to rig: Seamless integration, easy operation.
- Designed to meet MSHA 30 CFR permissibility for safe operation in gassy environments

Progressive Accuracy

The NovaCompass can calculate true North azimuth with a 1-sigma accuracy of:

<1°

within 1 minute

<0.05°

within 15 minutes

With continued convergence, accuracy can approach 0.01° within reasonable timeframes.



Versatile mounting options for a guaranteed fit on any drill platform

For additional information, contact ALIGN at product@align-engineering.com

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