



Reduce rig setup times by up to **90%**

Increase drilled metres/shift by up to **20%**

Reduce costs/drilled metre by up to **15%**

Set up **100%** of holes within tolerance

Increase revenue/rig by up to **10%**

*"The most accurate
rig-alignment technology
in the world."*



THE AZIMUTH ALIGNER®

The Azimuth Aligner replaces conventional exploration drill-rig alignment methods for both mining and construction projects: Align your rig to within 0.2° ...in just five minutes!



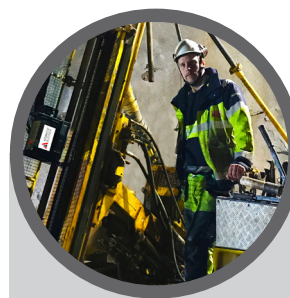
Easy to Use Hand-Held Interface

The wireless hand-held interface streams live data from the Azimuth Aligner unit; displaying both target and actual Azimuth and dip readings in real time.



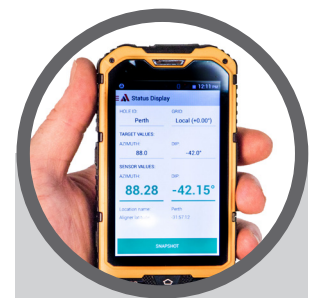
Portable & Easy to Install: Setup in Just 5 minutes!

The entire system packs down into its own portable carry-case. Just unpack, attach to the drill rod and align...in just five minutes!



Reduce Need for on Site-Personnel

Thanks to its simple setup and superior accuracy, the Azimuth Aligner significantly reduces the need for on site surveyors; reducing associated downtime and cost.



Drill Hole Accuracy to Within 0.2°

The Azimuth Aligner is the most accurate drill-rig alignment technology in the world - guaranteeing all holes are set up within tolerance and eliminating re-drilling.

Features Summary / Technical Specifications



Unit Features / Specifications

Highly accurate and applicable for use on ALL mining exploration drill rig makes and models, both surface and underground.

Set up accuracy to within 0.2°

- Eliminates hole deviation attributable to misalignment at the collar - the primary cause of deviation;
- Real time azimuth and dip readings via the hand-held wireless interface;
- Seeks true north in 15 minutes;
- Unaffected by magnetics;
- Preconfigured to your operation prior to arriving on-site.

Highly flexible and portable

- Transferable for use on several rigs per site;
- 24hr battery life (in conjunction with battery booster pack);
- Shock proof, easy-lift carry case, suitable for heavy duty use;
- Clamps directly onto BQ and PQ drill rod sizes;

Additional Information / Specifications

- Currently deployed on over 100 international mine sites and tunnelling projects;
- Open source interface compatible with common mine planning software - for exporting/importing drill plan data;
- Designed to be maintenance free;
- 24hr global support team with back-up units available within 24-48hrs;
- All initial and ongoing training provided free of charge.



www.minnovare.com

Drill faster, cheaper, more accurately.



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