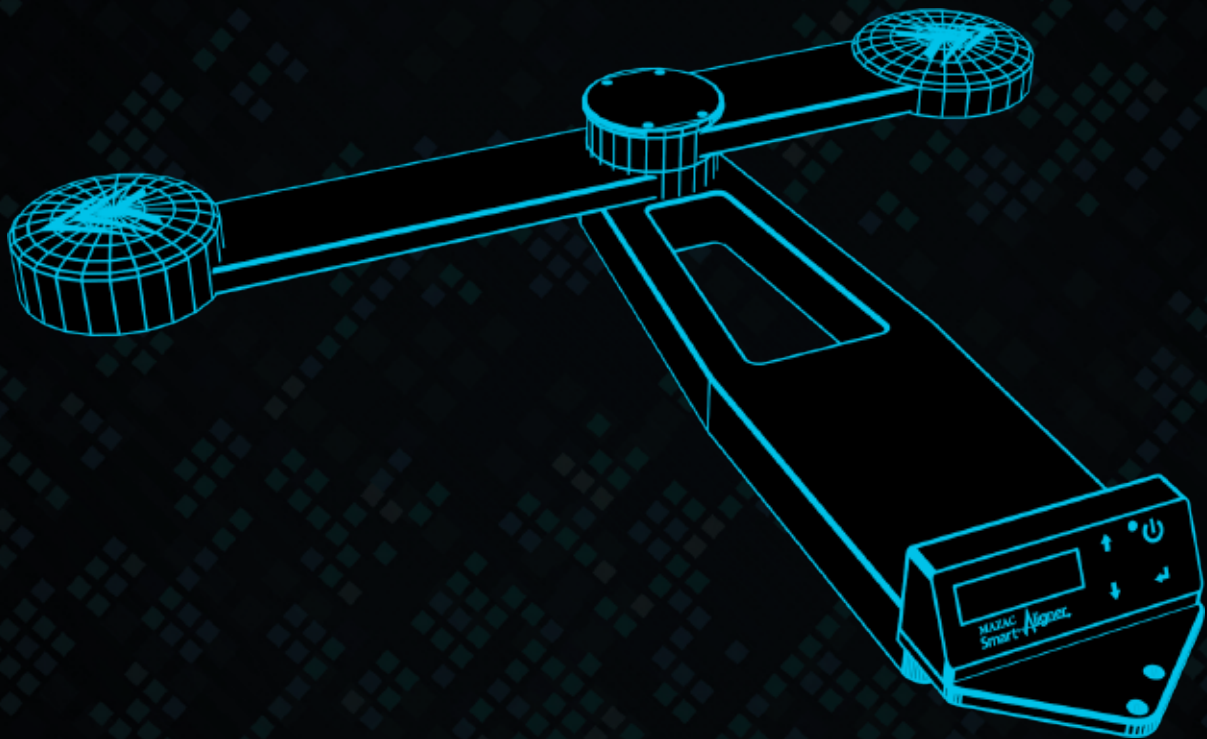


ABSOLUTE
PRECISION



MAZAC SMART ALIGNER

DRILL RIG ALIGNMENT
SYSTEM





The Mazac Smart Aligner is a lightweight and powerful drill rig alignment solution. Compact design, exceptional performance, multiple configurations and smartphone enabled makes it the smartest to align your surface drill rig.

Smart Performance

- Typical 0.50 degree Azimuth accuracy
- Tilt and Roll accuracy of 0.2°
- GLONASS enabled for increased performance
- Fast acquisition time
- Up to 10 hours of operation on a single battery charge

Smart Design

- Foldable GPS + GLONASS Alignment Tool
- Tool and Bracket fit into ruggedized carrying case
- Easy to travel with, carry and transport
- Fits into provided backpack for easy transport
- Weighs only 9.5lb (2.3kg) (Tool & Bracket)

Smart Phone Enabled

- Measure, verify and save alignment data using our free App
- Create and send PDF reports wirelessly from your mobile device
- Include up to four photos for each site survey in the report
- Import and export site data directly to and from App





Performance

Azimuth accuracy	0.5°
Tilt and Roll accuracy	0.2°
Position accuracy	30 cm with SBAS
Start up time	< 30 seconds

Power

Internal battery	Rechargeable lithium ion
Operation time	> 10 hrs (over 100 alignments)
Battery charger	AC wall charger & DC car charger

Physical

Smart Aligner Tool (patent pending)	
Dimensions	19"x 4.5"x 3" (48.3 cm x 11.4 cm x 7.6 cm)
Weight	4.5 lb (2.0 kg)
Carrying Case (contains all components)	
Dimensions	21"x 16"x 8.5" (53.3cm x40.6 cm x 21.6 cm)
Weight	12 lb (5.4 kg)
TOTAL WEIGHT	22.7 lb (10,3kg)

Communication ports

LED backlit display	User interface and display
Wi-Fi	Smart Aligner to user's mobile device
Connectivity	Smartphone/Tablet - iOS or Android
Cable Interface	Serial RS-232





Reporting

Report formats	JPEG (screenshot), PDF or CSV
Photos	Embedded in PDF report
Photos can also be used as a backup, by taking picture of the User Display	

Environmental

Operational temperature	-22° F to +158° F (-30° C to +70° C)
Sealing	NEMA 4X, IP63
Shock/vibration	IEC 68-2-27/IEC 68-2-6
EMI	FCC Part 15 Subpart B: 2008

Mounting configurations

- Multiple arm positions:
- User can orientate the arms according to physical limitations
- Automatically calculates Azimuth, Tilt and Roll offsets

Modes of use (Smart Aligner App)

- Quick measure: Real time display of positioning information with option to save a screenshot of the data
- Site survey: Set up of site and site information
- Align antenna: Real time display of positioning information with option to verify the alignment
- Verify: Verify the alignment - ability to save the alignment information after verification
- Report mode: Create PDF reports from verified alignments or historically saved sites. Automatic attachment to email message
- Import profiles: Import CSV file with site and antenna information
- Export profiles: Export completed CSV file with appended measured alignment information. Automatic attachment to email message

