

MIDAS

Naval Alignment System

MIDAS is the original precision Naval Alignment System designed for use on floating ships and offshore structures

No Dry Docking required

- Eliminates dry dock distortion
- No dry dock costs /queueing
- Quick turn-round for repairs

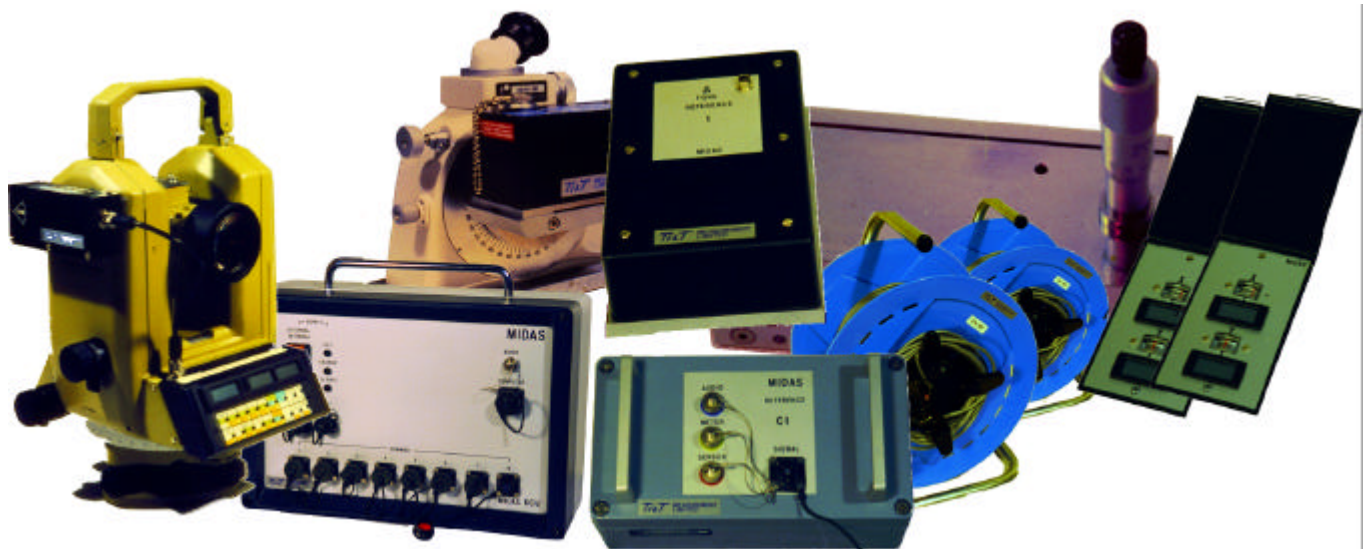
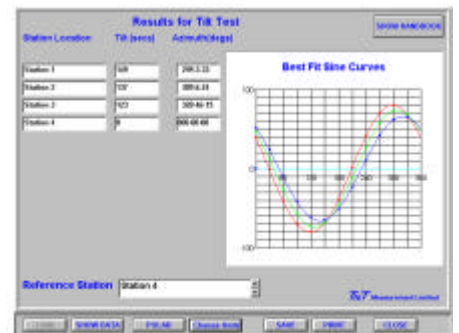


Rapidly and Accurately Align
Weapon Platforms and Fire Control Systems

Tilt Tests performed to the highest accuracy

Gyro Performance Testing

Azimuth Alignment with no line of sight



MIDAS, developed by specialist transducer company Tilt Measurement Limited is a complete carefully engineered system comprising a comprehensive hardware package, incorporating the most accurate tilt sensors available, matched with a complete suite of operating procedures packaged in easy to use Windows™ compatible software.

The operating procedures and techniques have been developed and evolved over 25 years by Tilt Measurement engineers.

There are many hidden errors arising from the complex interactions of ships motions and clinometers which other Naval Alignment systems ignore. **MIDAS** procedures reduce or eliminate these errors, so the alignment data produced is the right data.

MIDAS covers the whole range of equipment installation and alignments covering $\pm 90^\circ$ in elevation and the full 360° in azimuth, all to an accuracy measured in arc seconds.

Using Electronic Theodolites, Clinometers and similar equipment, any user defined alignment operation can be programmed into the system and used and re-used. Collected data can be stored for later review, printed out in full colour with appropriate charts and graphs, together with fully documented reports.

OUTLINE SPECIFICATION

Transducers	ELECTROLEVEL	'A' type range $\pm 0.5^\circ$ 'C' type range $\pm 5.0^\circ$
OR	Force-balance	Selected to suit application
Data Collection Unit	Connectivity	Eight channels standard upgradeable to sixteen PS2 P22
Interconnecting cables	construction	± 5 degree calibrated
Sine bar	Range	
Clinometers		
Type	5 second	1 minute
Range	0-360°	0-360°
Repeatability	5 seconds	30 seconds
Theodolites		
Type	User Selected	(modified to accept MIDAS accessories)
Typical specification	Circle Graduations	Direct LCD reading to 1 arc second
Laptop PC (specification upgraded regularly to follow PC market trends)		
Processor	Pentium 500MHz 128Mbytes RAM	
Hard Disc	6 Gbytes	
Display	13.3" TFT SVGA	
CD ROM drive	24 x	

For a comprehensive brochure describing the *MIDAS* system contact Tilt Measurement

TILT MEASUREMENT LIMITED

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