Azimuth

Pure inclination in magnetic fixation
Azimuth

Horizon
Perfect for simple accurate 90° and flat clamping
Single unit or used in pairs
in flat condition for precision parallels.

Altitude
Fast, and accurate 0°, 45° and 60° angles as standard.
Can be machined or supplied with user specific angles to suit component requirements.

Infinity
For perfect angles and bevels of any degree of inclination.
Precision adjustable angles from 0° to 90° with position locking mechanism.

azimuth
/aɪˈzɪməθ/
noun: azimuth plural noun: azimuths
a precision range of powerful magnetic parallels with the ability to clamp and position a workpiece at a desired angle.
the essential grinding accessory.
Grinding

Because the Azimuth range provides its own high force switchable magnet power the clamping force is much greater than the normal transferred magnetism of standard laminated chuck blocks. It also means you don’t have to turn off your magnetic chuck to release the parts so the Azimuth stays exactly where you want it for exact repeatability.

Precision ground Flat and Parrallel provides accurate datum faces used in single units or pairs to accommodate complex components. Azimuth magnetism can be switched on from both ends by using the removable 8mm hexagon provided. Power is variable from 0 to 100% so setting up becomes easy.

EDM

For Electro-discharge machining the Azimuth is the answer to your workholding prayers.

Designed specifically with die sink and wire erosion in mind from its concept the Azimuth range brings you the versatility achieve the full potential of your machine. Sealed and water proof to 25m (or 3.5 atm) Azimuth is perfect for dielectric submersion.

Precision Ground

Monobloc rugged construction

Rare Earth Neodymium Magnet Power

Sealed and waterproof to 25m

Precision Side and End stops

Removable Hex Key actuation on both ends

Made in United Kingdom

5 Year Guarantee
Azimuth Horizon provides ultimate versatility to holding awkward or complex parts for Grinding and EDM applications. Used in pairs for precision parallels allows nesting, or on their edge for accurate 90° positioning. Ideal for squaring ends of parts otherwise difficult to hold.
**Altitude**

Azimuth Altitude provides all the same benefits and features of the Horizon but also includes two pre-machined angles (45° and 60°). This allows the operator to quickly set up for these two common angles very quickly and with perfect repeatability. The altitude is perfect for the operator that uses these angles often for blade beveling or grinding V forms.

Altitude can also be supplied or machined by the user to their favourite angles.

In EDM applications Die-sinking holes at angles becomes sublime perfection and for Wire Eroders that do not have ability to angle the wire the Altitude is ideal.

**Azimuth Altitude**
Azimuth

Infinity

The most useful, versatile and beautiful magnet you will ever own.

Azimuth Infinity provides the perfect solution to Grinding, Spark Erosion and positioning applications that require components to be held at any angle. Can be set and locked in position at any angle from 0° to 90°. Infinity can be set with high accuracy by sine bar or quickly for less accurate applications using protractor.

Precision machined swivel end carriers mounted on a solid precision base allows the operator to position the Azimuth Infinity magnet at any desired inclination.

Once the desired angle is set it is locked in position by the double locking bolts in each end. When a different angle is needed the locking bolts are released the new angle set and then locked in the new position.
| **AZMP90** | Plain 90 deg. mounting plate
Provides clamping down flange for machine tables where magnetic chucks are not used. Especially useful for Wire Erosion applications |
| **AZMP90S** | Step 90 deg. mounting plate
Use as above for conventional clamping down but includes raised front step to support parts in Wire erosion applications or for shorter components |
| **AZTVB** | Transverse V block
To clamp round bars or parts on their diameter. Up to 3 V blocks can be fitted to each unit. Can be used in multiples or vertically for end machining of round parts |
| **AZFPTP** | Fine pole Top Plate
Converts you Azimuth to transverse fine pole pitch for very thin parts or long narrow components and reduce magnetic flux height |
<p>| <strong>AZFPTPV</strong> | Fine pole V top plate for round sections in the Longitudinal condition |</p>
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<th><strong>AZNP22</strong></th>
<th><strong>AZIMUTH IN EDM</strong></th>
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| Auxiliary Top plate which can be machined to suit component requirements. Especially useful for nesting multiple parts. Can be machined by customer to accommodate part features.  
22mm thick  
Also Available in 28, 32, 48 and 52mm thickness |
| **AXFL22** |  |
| Auxiliary FLUSHING top plate for Die sink EDM applications. Includes 11 M6 flushing holes which can be blanked off as desired. Fitted brass ferrule for through flushing dielectric. |
Due to the flexibility and accuracy of the Azimuth, it is possible to adapt current jigs, fixtures and angle plates to suit your requirements. Using multiple units, you can create precise and fast clamping of larger components where ordinary clamps are awkward, cumbersome, and restrictive.

Multiple Azimuth Horizon mounted on a 90° Angle plate suitable for large workpieces for grinding, milling, drilling, and EDM processes.
Azimuth

Surface grinding

EDM

CNC Milling

knife blades . bevellng . chamfering . Tool room . production .
surface grinding

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