Nasotec Azimuth & VTA Alignment Block

Why we have to use Nasotec Azimuth & VTA Alignment Block?

The diamond tip must be set orthogonally to vinyl for accurate performance. The body of the cartridge is built orthogonally when the upper lines of the angle are parallel to the surface of the vinyl. From this angle setting, azimuth is the front line horizontality of the cartridge and vertical tracking angle (VTA) is the side line horizontality of the cartridge. Our Nasotec Azimuth & VTA Alignment block is the best tool for easy adjustment.
The level of our Nasotec Azimuth & VTA Alignment Block is to check if your turntable is in balance for optimal performance and to adjust it if it is needed. So you will have two tools in one.

How to use Nasotec Azimuth & VTA Alignment Block

1. Check the balance of turntable first.

1. Put the Nasotec Azimuth & VTA Alignment Block at platter parallel in front of your turntable. Check if the bubble of the level is placed at the center. If it is not, raise footers at the opposite side of the position where the bubble is higher at level until it is balanced.
2. Put the Nasotec Azimuth & VTA Alignment Block at platter parallel to the side of your turntable. Check if the bubble of the level is placed at the center. If it is not, raise footers at the opposite side of the position where the bubble is higher at level until it is balanced.
3. Check steps one and two until the turntable is fully balanced.

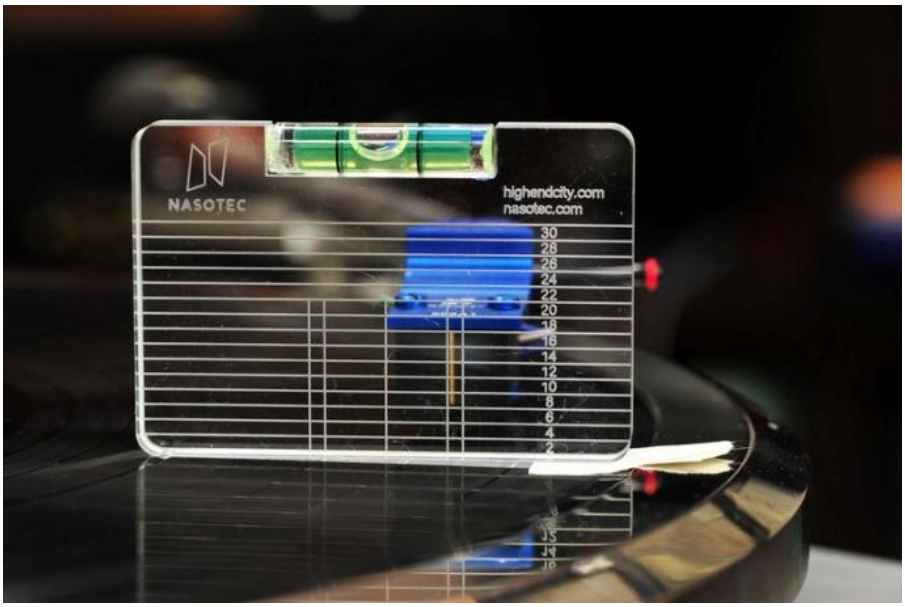
2. Preparations for azimuth & VTA alignments

1. Put a flat vinyl on your platter. If your record is wrapped, use our Nasotec Outer Ring Clamp and Nasotec Record Weight to make it really flat. Otherwise, you can use a thin paper for easy balance.

3. Setting of correct azimuth

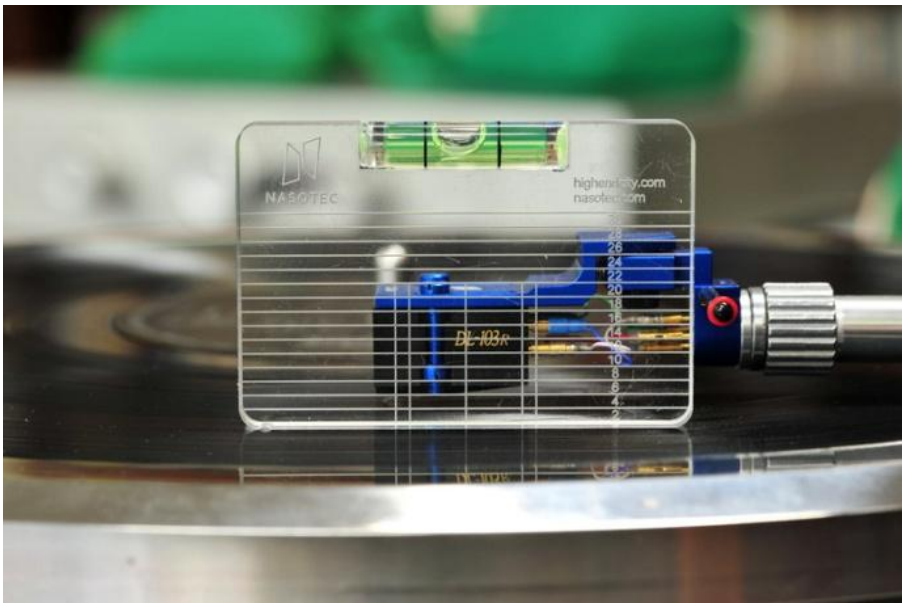
1. Put the block at the center of the record in the direction of the spindle horizontally using the level.
2. Swing and place the headshell in front of the block.
3. Lower your headshell on the record by using the lifter.
4. Check the front line of the cartridge if it is parallel to the line of the block.

5. If both lines are parallel, the azimuth is ok. However, if it is not parallel, loosen the screw of the arm connector slightly and adjust by turning headshell to the right or left.
6. This must be handled with care.



4. Setting of correct VTA (Vertical Tracking Angle)

1. Swing and place the headshell inside of the tracks.
2. Put the block on the exterior side of the record in the direction of the tangent of the groove horizontally using the level.
3. Swing and place the headshell behind the block.
4. Lower the cartridge by using the lifter.
5. Check the side line of the cartridge (or headshell) if it is parallel to the line of the block.
6. If both lines are parallel, VTA is ok. However, if it is not, loosen the arm height adjustment device and adjust the arm upward and downward
7. This must be handled with care.



*Note

- Check manuals of your headshell and tonearm for handling when adjusting. We recommend our Nasotec Swing Headshell for achieving the best performance out of your cartridge.
- The level is accurate when it’s upright position only.