

HSG NVA (Nozzle Visual Aligner)

Your Secret Weapon for Flawless Calibration



Precision isn't optional—it's the foundation of quality in laser processing.

Traditional coaxial calibration takes 3–5 minutes and depends on operator experience. Misalignment leads to slag, poor edge quality, and inconsistent results—especially in mass production.



HSG's new NVA Laser Nozzle Visual Aligner changes the game.

Powered by AI vision and a high-precision circular fitting algorithm, NVA delivers accurate alignment within ≤ 0.08 mm, eliminating human error and ensuring consistent calibration—every time.

NVA completes the process in just 1.5 minutes, boosting efficiency by 300% compared to manual methods. Its compact 105×77 mm portable design makes it easy to use right on the shop floor.

Quick 3-Step Process

- Align the red laser dot to the centre
- Connect to the visual interface via Wi-Fi
- Use AI vision for real-time coaxial positioning and precise calibration

Why Choose NVA?

- Boost efficiency by 300%
- Eliminate operator error
- Improve process stability
- Ensure consistent part quality—cut after cut







Trust HSG to raise your production standards—with faster speed, higher precision, and safer, more reliable calibration.

Cost?

- The HSG NVA unit is \$3500 plus GST and delivery

Contact Industrial Laser Solutions Today!

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