

# NVA

Laser Nozzle Visual Aligner

## FASTER, MORE ACCURATE, AND SAFER CALIBRATION



Compact Size

**$\phi 105 \times 77 \text{mm}$**

Calibration Accuracy

**$\leq 0.08 \text{mm}$**

Success Rate

**100%**

### PRODUCT OVERVIEW

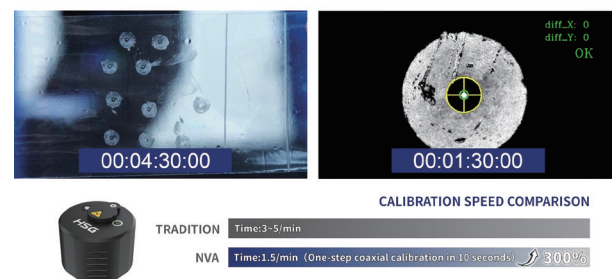
#### Streamlined and Efficient Calibration with NVA



Using the NVA for calibration simplifies the entire adjustment process, enabling one-time successful alignment. It helps customers significantly reduce production setup time, greatly improve production efficiency and cutting yield, and ultimately save substantial time and material costs.

### TYPICAL PROCESSING

#### Visual Calibration for Beginners to Get Started Quickly

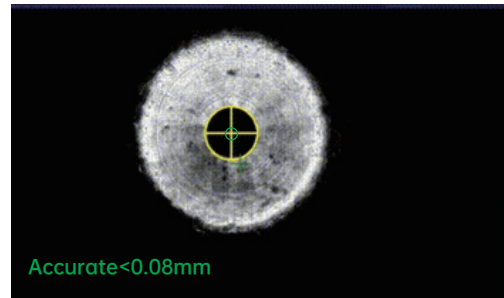


No need to rely on operator experience—thanks to HSG's self-developed high-precision circle fitting algorithm, the alignment process is fully visualized in real time through your smartphone screen. This greatly reduces the difficulty of calibration, making it easy even for beginners to get started quickly.

**IMPROVE THE ACCURACY**

## Powered by HSG's High-Precision Circle Fitting Algorithm

Accurate to  $\leq 0.08$  mm with 100% success. Eliminates errors and ensures safe, precise alignment.

**EASY TO USE**

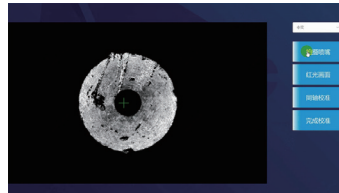
## 3-Step Quick Calibration

**Step 1**

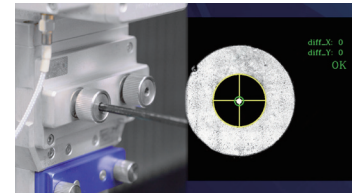
Align the device by moving the red laser dot to the center point. Open the protective slider.

**Step 2**

Connect your phone to Wi-Fi and enter the visual simulation interface.

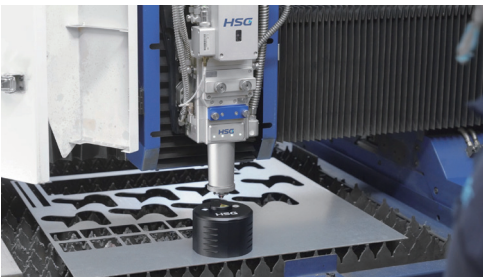
**Step 3**

Use AI vision to complete the calibration with ease.

**CARE YOUR SAFETY**

## Accurate, Reliable, and Safer

The whole calibration process does not require laser emission to avoid safety issues.

**EASY TO USE**

## Portable Design

Compact size of  $\phi 105 \times 77$  mm (height) for easy handling and flexible operation.



## TECHNICAL PARAMETERS

| Model                                          | NVA                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------|
| Coaxial Error                                  | $<0.08$ mm                                                                    |
| Applicable Nozzle Specifications (Recommended) | $\phi 1.0$ mm- $\phi 3.0$ mm (Recommend using the standard $\phi 1.2$ nozzle) |
| Weight                                         | 575g (Excluding battery)                                                      |
| Size                                           | 77mm (Height) x 105mm (Diameter)                                              |
| Power Supply Mode                              | External power bank or built-in 14500 battery                                 |

\*Information and images are for reference only. Final specifications and terms are subject to the contract and may change without notice.