

AlphaAutoScan-400

Automated Industrial 3D Measurement System



TECHNICAL SPECIFICATIONS

AlphaAutoScan-400	
Working Radius	919mm
Turntable Load Capacity	50kg
Total Weight	250kg
Maximum Footprint	1200*700*1600mm (L×W×H)
Operating Temperature Range	0°C to 50°C
Power Supply	48VDC
Total Power Consumption	900W
IP Rating	IP54
Communication Interface	Ethernet RJ-45, USB 3.0
Expandable Items	Supports interactive development with MES and third-party system databases

※ According to the VDI/VDE 2634 Part 3 standard and the JJF 1951-2021 Calibration Specification for Optical Three-dimensional Measurement Systems Based on Structured Light Scanning.

Compact Design Simple Operation

The product meets standardized levels of performance
Device weight is reduced to just 30% of the original
Footprint decreased by 60%
Installation and commissioning time shortened to 2 days
Efficiency improved by over 200%
(more than double the original)



Modular Concept Flexible Deployment

Employs a functional modular structural design
Compact layout with minimal footprint
Enables effortless deployment of multiple measurement solutions
Adapts to diverse production conditions
Features standard industrial expansion interfaces
Allows flexible integration with various systems
Achieves seamless incorporation into production lines
Supports the development of smart factories

Manufacturing Workshop

The equipment features strong anti-interference capability, remaining unaffected by ambient light and temperature variations. It maintains high-precision 3D measurement even in complex workshop environments.

Dimensional Inspection Room

No special environmental controls are required, and a protective enclosure can be added as needed. This ensures safe, stable laboratory measurements and user-friendly operation.

Hands-On Training

Multiple Programming Support | Enables non-specialists to complete measurement tasks easily and efficiently, promotes the integration of industry, academia, and research, and fosters ecosystem development.