



ACME

CP40



Focus on online workpiece measurement
tool measurement supporting services

CP40

Optical probe

Acmeprobe Measurement & Control Technology Co., LTD

ABOUT JIZHI

Jiji Measurement and Control Technology (Suzhou) Co., Ltd. is specialized in providing CNC machine tools Online testing system production and service providers. The company has been recognized as high-tech. The company has more than ten patents and passed the ISO9001 quality system Verified.

With customer-oriented technological innovation, precision manufacturing and reliable performance, GD Measurement and Control meets the measurement needs of customers in the process of CNC machining, and strives to provide customers with more efficient on-machine measurement solutions to help customers complete workpiece processing with higher precision, faster speed and better yield, improve product quality and reduce labor and production costs.



National high-tech enterprises



ISO9001 International quality system certification



JI PRODUCTS INDUSTRY APPLICATION

Mold making

The in-machine detection function is used in the machining process for tool detection, workpiece positioning and relocation; After the processing is completed, the workpiece is inspected in the machine in all aspects, which significantly reduces the repair rate of the mold and improves the processing quality, and the sub-pass rate of the product is significantly improved.

Aerospace parts manufacturing

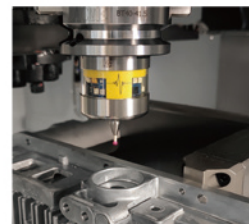
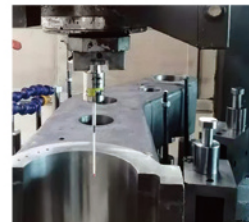
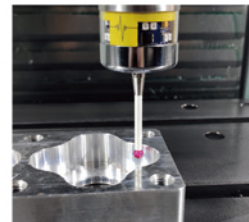
Many precision products in the aerospace industry have the characteristics of large-scale, difficult to process, requiring high precision, the use of traditional measurement means for detection will greatly affect the processing efficiency, and sometimes because of the particularity of the parts can not be measured, and the use of workpiece probe and measurement software on the machine tool for in-machine measurement of the class workpiece, coupled with the extension rod application of the modular probe, no loss of accuracy. It can complete the relative processing of each feature, reduce the time of workpiece flow and secondary installation, and achieve extremely high final machining accuracy
Reduce scrap rate.

Electronic products manufacturing

For mass-produced consumer electronics products, in order to ensure the stability and consistency of product quality, the probe and macro program software are used to achieve fast and accurate alignment of the workpiece Manual operation of time waste and error, greatly improve the quality of products and pass rate.Reduce scrap rate.

Auto parts manufacturing

In the production line of automobile engine cylinder block and cylinder head, the use of workpiece probe and macro program software to automatically align before processing can effectively solve the processing reference deviation caused by the positioning deviation of tooling fixture in different processing processes, and control the position relationship between multiple holes on the product, improve the production efficiency and product pass rate.



OPTICAL PROBE CP40

The CP40 probe is an economical probe designed for small machining centers, drilling and tapping centers and lathes. Its compact construction makes it ideal for high-speed machining centers with small shank and pocket knife stores. The ideal choice of quantity.

Compact structure

- The length is short, the diameter is small, the diameter is only 40mm.
- High performance receivers require very little space, making installation easier.
- L. ED light and infrared signal receiving module 360° uniform distribution
- Ultra-high accuracy: the measurement repeatability accuracy is less than $1\ \mu\text{m}$;
- Long life: more than 10 million trigger life;
- High reliability: The products have reached the highest IP68 protection level in the industry; .
- Rich configuration: can flexibly configure the measuring needle, lengthening rod, etc., completely without loss of accuracy;
- High frequency signal technology makes it unaffected by ambient light.
- Large transmission/reception Angle range ensures reliable reception and transmission of forward signals undetermined by the spindle.Ensures reliable data transmission.
- Stainless steel housing, high strength tempered glass cover.
- The simple radial runout adjustment method of measuring ball ensures the measurement accuracy.



Good interchangeability



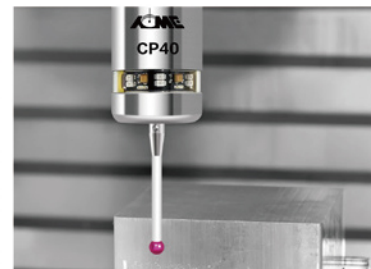
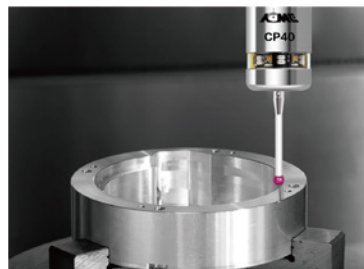
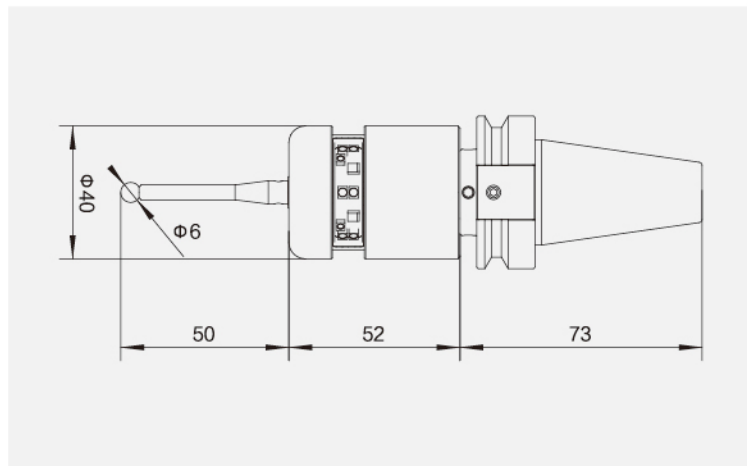
Small size



High precision



Argument	Instructions
Precision (2σ)	$\leq 1\ \mu\text{m}$, Measurement velocity = 50
Trigger direction	$\pm X, \pm Y, +Z$
Needle trigger protection stroke	XY: $\pm 15^\circ$ Z: +5mm
Body diameter	40 mm
Measuring speed	50mm/min
Battery	Use 2 sections 3.6 V.ER14250
Material	Stainless steel
Weight	260g
Temperature range	10°C - 50°C
Class of protection	IP 68
Trigger life	> 8 million times
Signal mode	Infrared transmission
Signal distance	$\leq 5\text{m}$
Signal protection	With mobile protection





**Ji measurement and control
Technology (Suzhou) Co., LTD**

Add: No. 8, Yu Xiangli Road, Suzhou

High-tech Zone

Mobile: 150 5153 9900

Email: 15084666466@163.. com

Web site: www.acmeprobe.com

Agent:



Official public account