

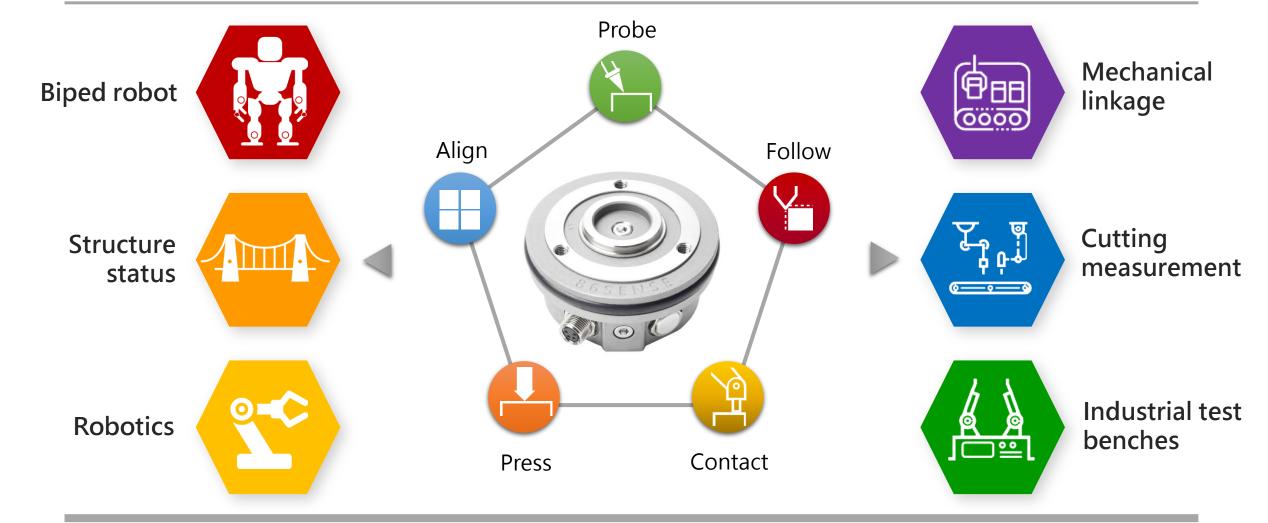
THE 3-AXIS FORCE TORQUE SENSOR

Focus and Strength

OGSENSE.

三 軸 力 覺 感 測 器 THE 3-AXIS FORCE TORQUE SENSOR

Appliacations







855ENSE

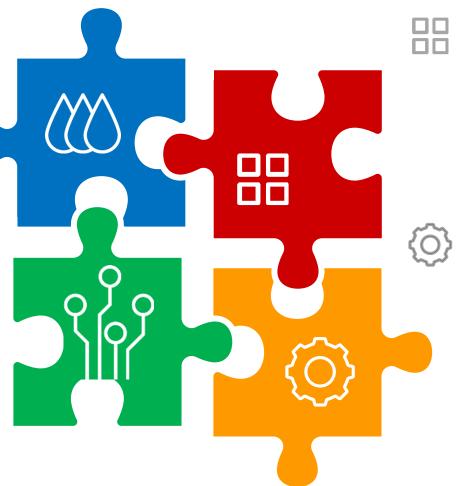
三 軸 力 覺 感 測 器 THE 3-AXIS FORCE TORQUE SENSOR

Product Features



Conductive ink printing

Improve the variation and waste caused by the traditional process of gluing strain gauges



Modular circuit boards

Through the replacement of different mechanisms products of different specifications can be easily derived.



Integrated process

The deformation sensing area is printed on the circuit boardIt can simplify the connection between the sensing area and the processing circuitand reduce the generation of noise

The entire machine is designed and manufactured in Taiwan

The sensor module is designed and manufactured in TaiwanReducing production costs and import dependence.





86SENSE

三 軸 力 覺 感 測 器 THE 3-AXIS FORCE TORQUE SENSOR

Functions and features

The maximum bearing force is within 2KN · and can withstand instantaneous impact exceeding 200% of the maximum force.

High Endurance Module Upgrade

1

Adopts RS-485 transmission mode (up to 6Mbps), and can be expanded to EtherCAT communication specification.

High-speed update rate of measured values > 500Hz with high resolution and low noise characteristics.

Measurement value High speed and accuracy High resolution.



Multiple sensing areas

Multiple deformation sensing areas are designed to achieve multi-axis force sensing function.

The shell is made of high rigidity aluminum alloy, small deformation under stress, waterproof and dustproof

High rigidity Waterproof Dustproof

Customization

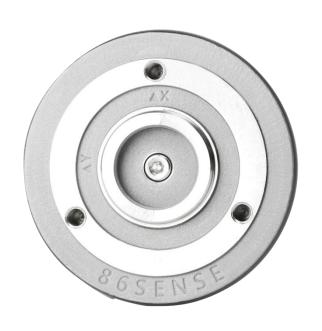
Product appearance and interface specifications are not limited and can be changed according to customer needs.





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Appearance and structure







上面

側面

45度







OCCING 三軸 カ 覺 感 測 器 THE 3-AXIS FORCE TORQUE SENSOR

Specifications / Dimensions

MAIN SPECIFICATIONS

MEASURING RANGE	Force Range FZ	+2000N / -1000N
	Moment Range Mx, My	±40 N-m
SIGNAL NOISE	Force in Z	0.1N
	Moment in X, Y	0.005N-m
DATA OUTPUT RATE	>500Hz	
COMMUNICATION	RS485	Up to 6M bps
TEMPERATURE COMPENSATION	15℃ to 35℃	
WEIGHT	210g	_

