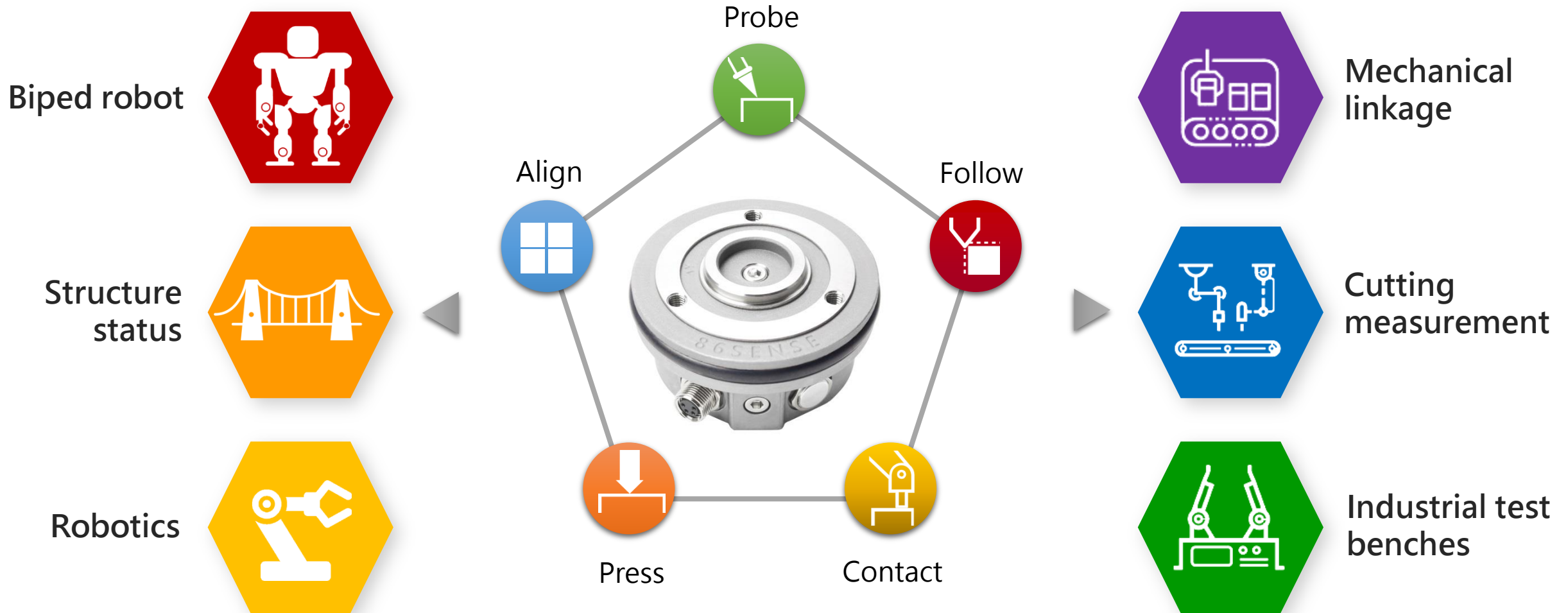




86SENSE

THE 3-AXIS FORCE TORQUE SENSOR

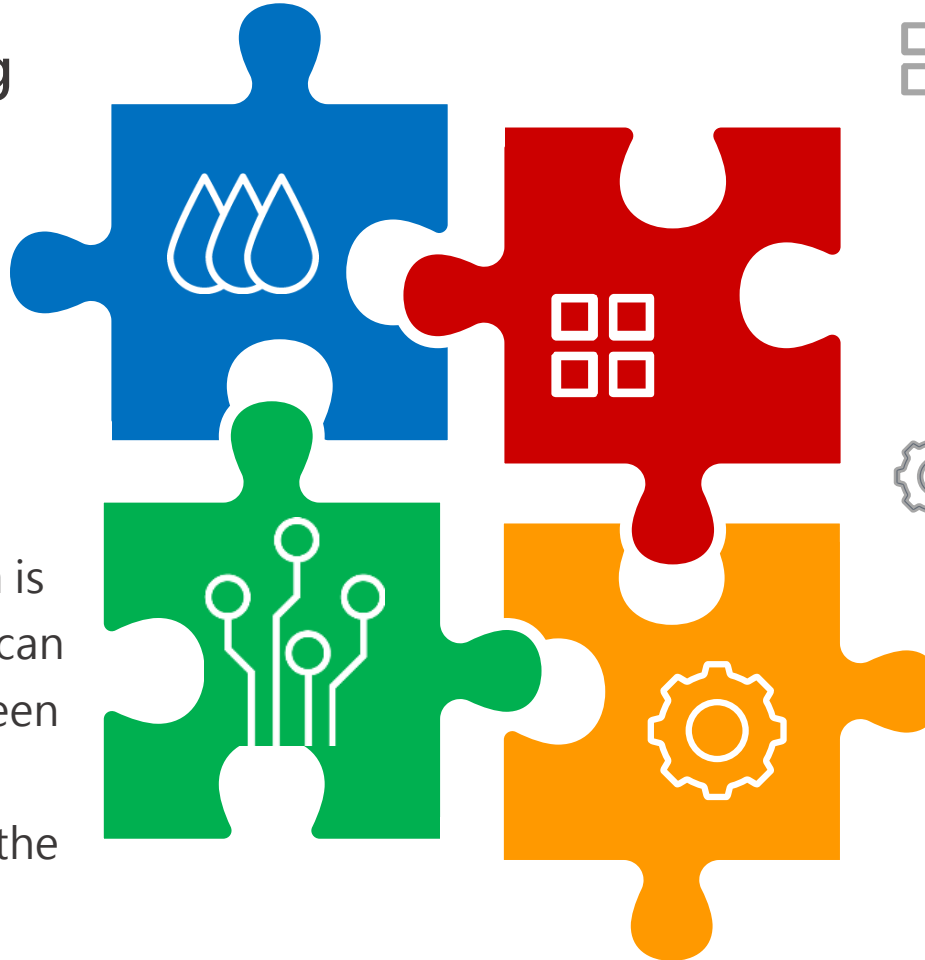
Focus and Strength





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 board. It can simplify the connection between the sensing area and the processing circuit and reduce the generation of noise.



The entire machine is designed and manufactured in Taiwan

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

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

High Endurance

6

Module Upgrade

1

Adopts RS-485 transmission mode (up to 6Mbps)

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

Measurement value High speed and accuracy High resolution

5

Multiple sensing areas

2

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

4

Customization

3

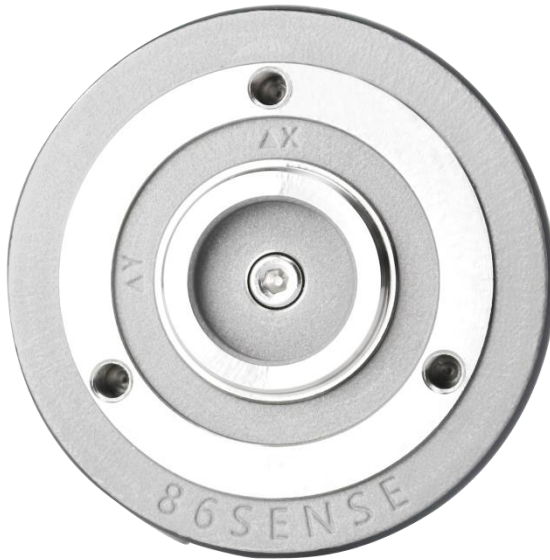
Product appearance and interface specifications are not limited and can be changed according to customer needs.



86SENSE

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

Appearance and structure



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°C to 35°C	
WEIGHT	210g	

