azbil

Proximity Switches

Automatic tuning makes adjustment easy

Sharply reduce the man-hours for program changes!

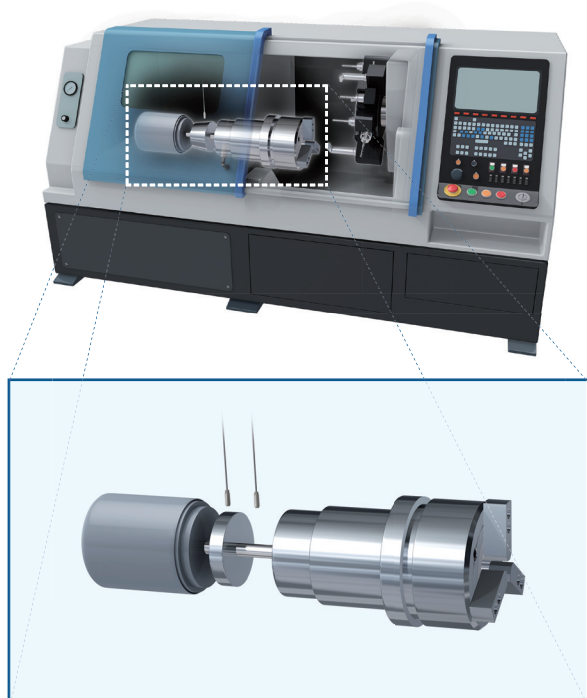|	
Product	**Discrete sensor** Adjustable Proximity Sensor
Model	H3C

Process/ Equipment	NC lathe

Current Situation

- Proximity switches are used to detect if the workpiece is clamped based on the position of the chuck cylinder dog.
- This requires two proximity switches.

Current Problems

- Every time there is a different diameter workpiece, a tool change and repositioning of the proximity switch or dog is required.
- Tool changes take time (man-hours).
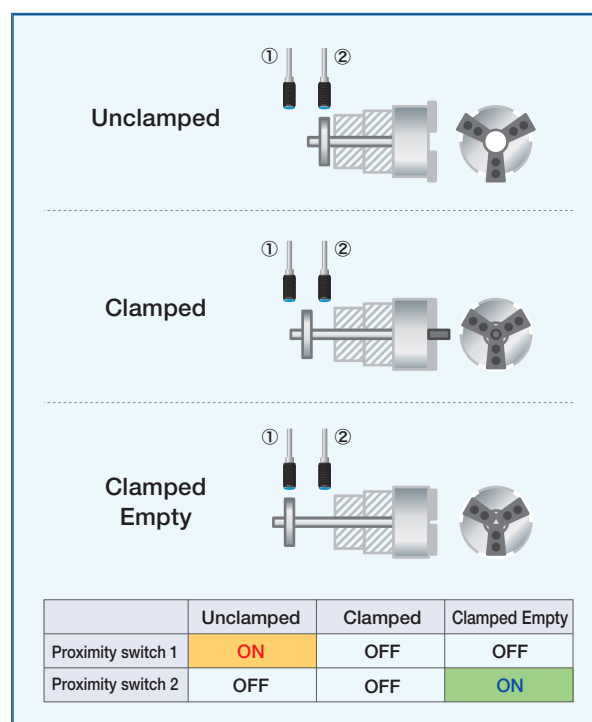
	Unclamped	Clamped	Clamped Empty
Proximity switch 1	ON	OFF	OFF
Proximity switch 2	OFF	OFF	ON

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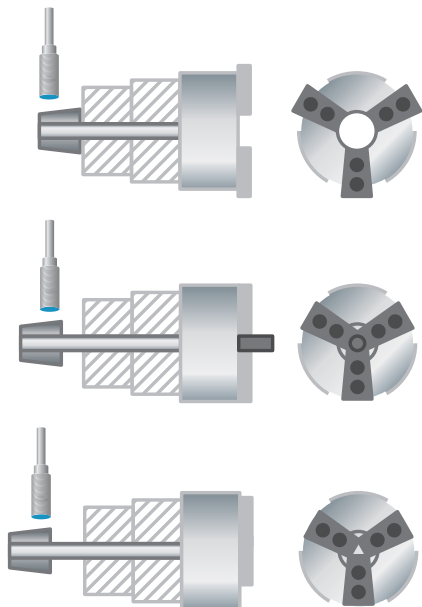
Solutions

Solution 1 Sample proximity switch installation

Solution 3 Configuration Tool
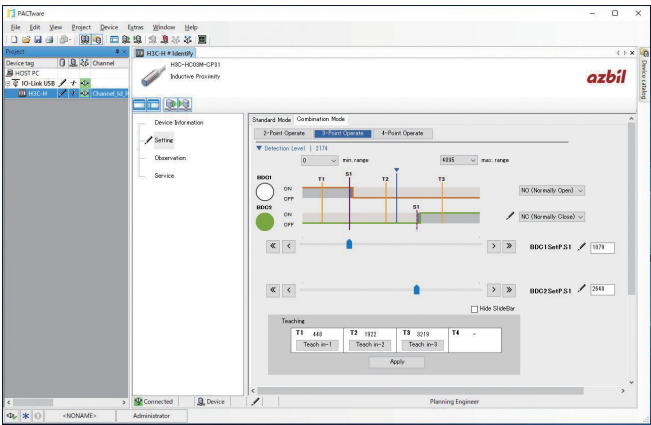
Solution 2 Support for long stroke

	Unclamped	Clamped	Clamped Empty
Output 1	ON	OFF	OFF
Output 2	OFF	OFF	ON

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