

Automatic tuning makes adjustment easy

## Sharply reduce the man-hours for program changes!



Product

Discrete sensor

Adjustable Proximity Sensor

Model

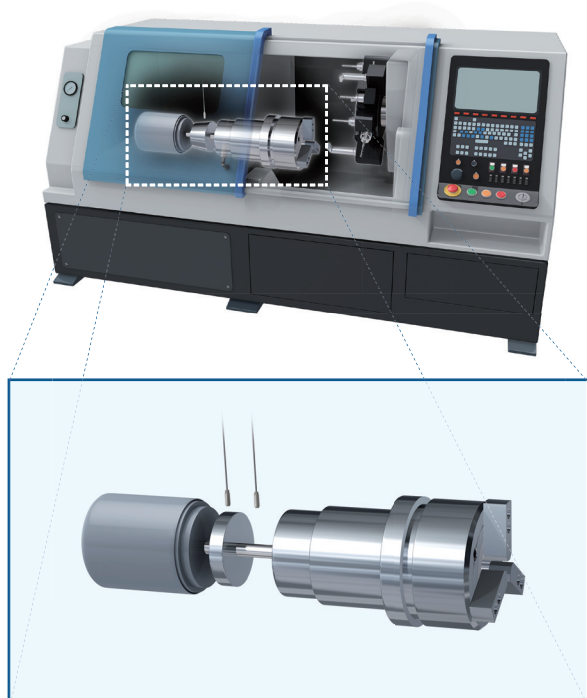
H3C

Process/  
Equipment

NC lathe

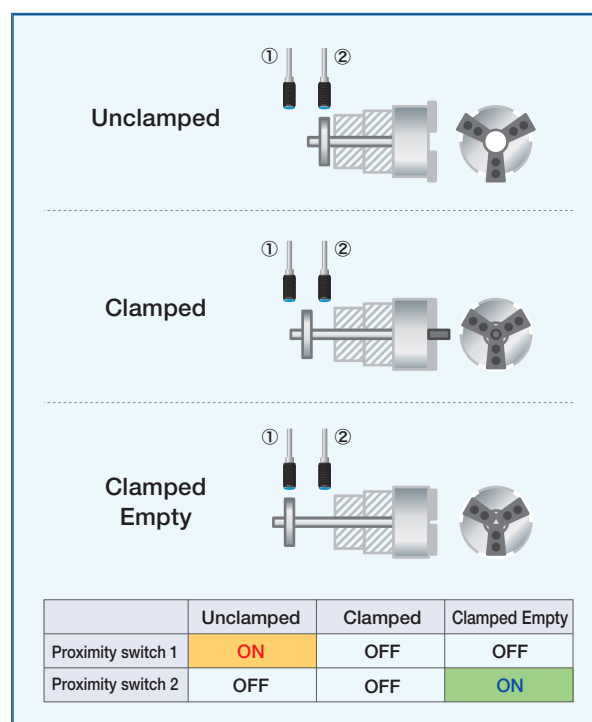
### Current Situation

- 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).



- Solution 1

**Easy adjustment and man-hour reduction**  
Run auto-tuning in each state on one sensor to automatically change settings and thresholds.
- Solution 2

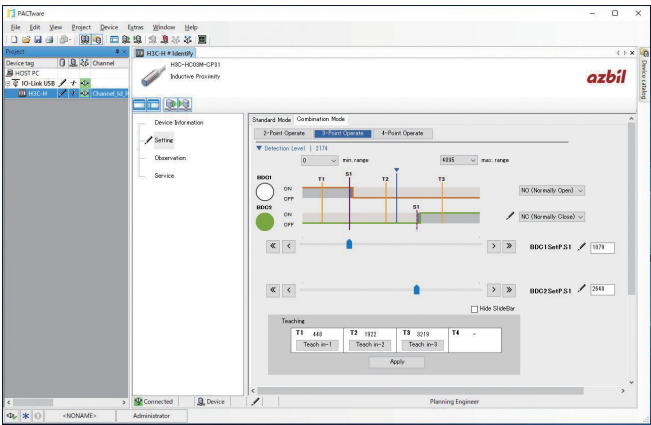
**Support for long stroke**  
Proximity sensor can handle a long clamp stroke, so a tapered dog can be used.
- Solution 3

**Configuration Tool makes detection levels easily visible**  
A special Configuration Tool makes it possible to monitor safety margins for sensing, allowing you to always know the optimum threshold and make adjustments.

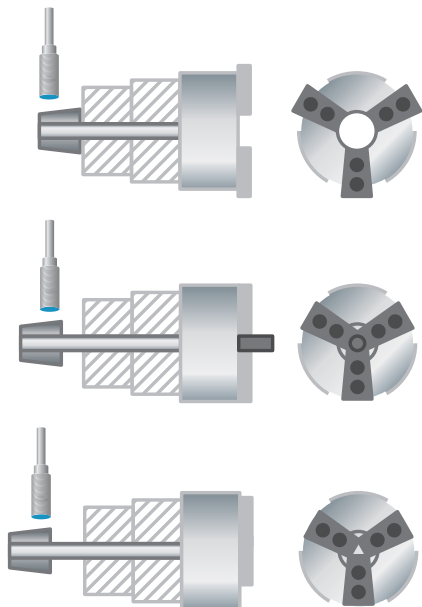
Solution 1 Sample proximity switch installation



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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