Workpiece detection on a turning jig

Application
Verifying a workpiece before and after machining.
The jig turns to machining.
Remote System supplies power to sensors and transmits their signals.

Problems
- Cable breakages due to moving stress.

Solution
Remote system

Advantages
- Eliminated stress points, eliminated cable breakage problems.
- Maintenance work decreased.

Construction of devices

movable side : jig
- Prox. switch x 4
- Prox. switch x 2

fixed side
- Power
- output sensor RPE8
- Power
- 24V DC
- PLC
- PLC
- PLC

Machining center / turning jig