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for the  
**TOBACCO  
INDUSTRY**  
with a passion to serve

**GD X1**

# Optical cigarette end detection

Optical scanning for loose and  
missing cigarette filters

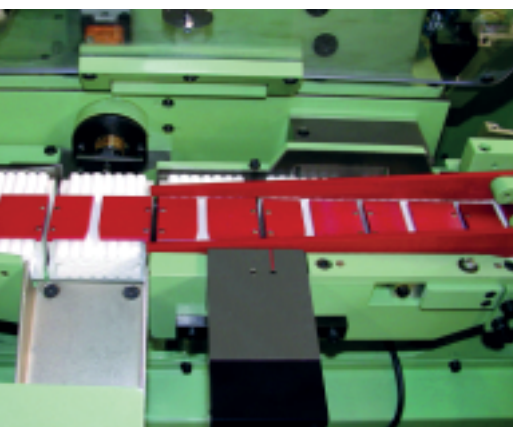


itmgroup [www.itmgroup.eu](http://www.itmgroup.eu)

## GD X1 Optical cigarette end detection



### Increase the reliability of end detection with an optical cigarette end detection upgrade



Issue	<ul style="list-style-type: none"><li>• Unreliable detection</li><li>• Damage of cigarettes with pin impact</li></ul>
Consequences	<ul style="list-style-type: none"><li>• Higher cigarette waste</li><li>• Higher risk of non-conforming product</li><li>• Reduced product quality</li><li>• Loss of production</li></ul>
Solution	<ul style="list-style-type: none"><li>• Removal of pin mechanism and replacement with optical scanning heads</li><li>• Scanning for loose ends is adjustable to the required quality level</li><li>• Scanning for missing cigarette/filter adjustable to different configurations</li></ul>
Advantages	<ul style="list-style-type: none"><li>• Improved performance</li><li>• Improved cigarette quality due to no impact on cigarette ends</li><li>• Reduced waste</li></ul>
Scope	<ul style="list-style-type: none"><li>• Optical cigarette end detection group</li></ul>
Time required	<ul style="list-style-type: none"><li>• Approx. machine down time: 24 hours (3 working days)</li><li>• Total mechanical hours: 32 hours</li><li>• Total electrical hours: 32 hours</li></ul>
Guarantee	<ul style="list-style-type: none"><li>• One year guarantee</li></ul>

*Suitable for all GD X1*

