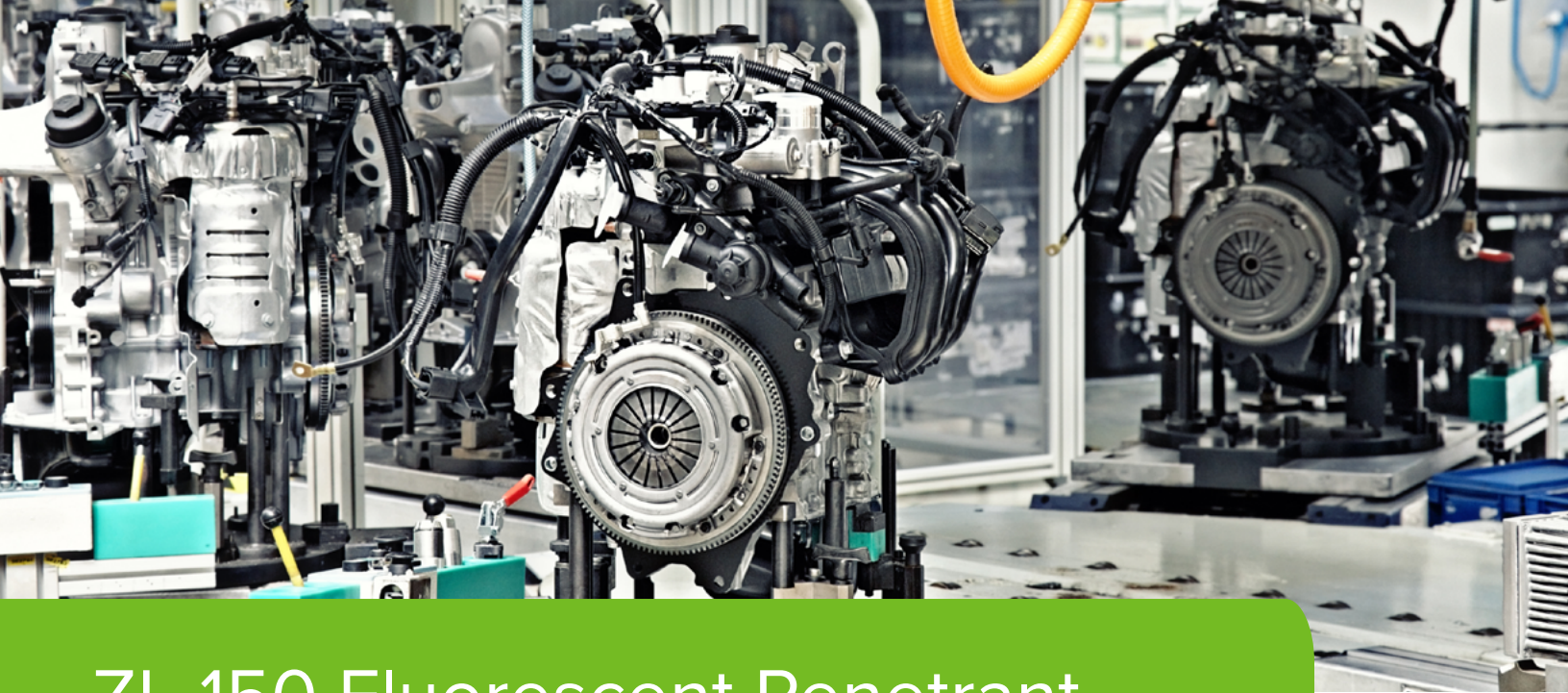




ZL-150 Fluorescent Penetrant

Minimize drag out and penetrant usage in automotive manufacturing

ZL-150 is a level 2 fluorescent water washable penetrant that is ideal for finding indications in rough cast parts in high-volume dip applications. Specially designed to reduce the cost of quality inspections in foundries and casting houses. Automotive part manufacturers will find this penetrant particularly useful in reducing cost while maintaining strong sensitivity and removability performance.

This medium-sensitivity penetrant limits the amount of material retained on parts after dipping, also known as drag-out. Additionally, it washes off parts quickly and easily, leaving very little background fluorescence and reducing the time and amount of water necessary to deliver clear indications for reliable inspections.



Minimize Cost of Quality Through Lower Penetrant Usage

- Delivers reduced penetrant drag-out, which leads to less penetrant usage per part
- Less penetrant used per part means lower cost of inspection and fewer purchases, shipments, and tank refills required throughout the year



Minimize Rinse Times With Excellent Removability

- Less background is visible at shorter rinse times, which means clear indications with less rinsing required
- Reduced rinse time results in less water used, faster throughput, and a reduction in greywater



Maximize Reliability of Inspections With Trusted Performance

- Strong sensitivity and removability characteristics provide clear, reliable indications
- Clear indications deliver reduced operator fatigue and more consistent inspections

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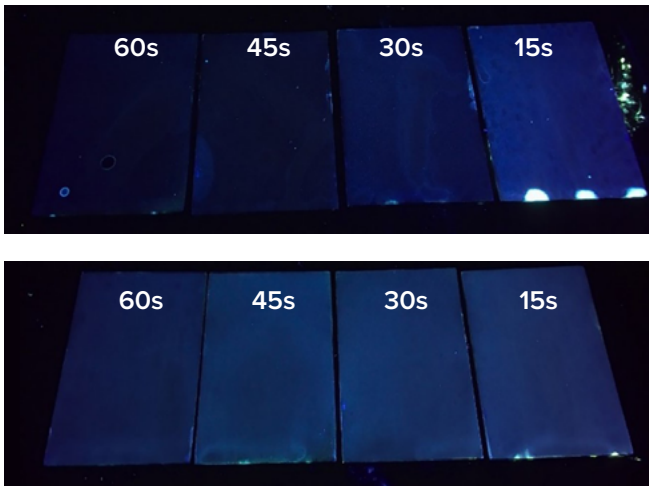
**20% reduction in penetrant usage
with extremely low drag-out**



**Reduce rinse time with superior
removability**



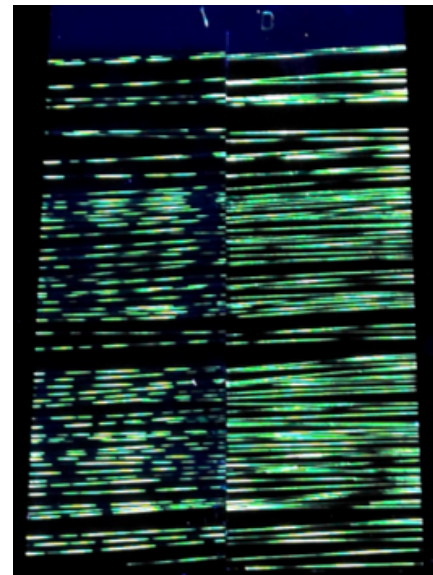
Less background in less rinse time



Excellent removability results in reduced background
with shorter rinse time

Top: Magnaflux (60 seconds to 15 seconds);
Bottom: Competitor (60 seconds to 15 seconds)

Higher sensitivity than competitors



Left: Competitor Level 2;
Right: Magnaflux

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