

TekniPlex Healthcare flow wrap structure eliminates \$250K in manufacturing costs

Problematic film was leaving residue on cutting blades causing significant financial impact to the operation.



PROBLEM

A manufacturer of diagnostic products was having difficulty with the flexible material it was using to flow wrap its assay cartridges. The company required a barrier structure that would protect the filled cartridges from both moisture and UV light. However, it was experiencing an ongoing problem with residue “gumming” up the flow wrap cutting blades, causing significant downtime, material waste and labor costs.

CAUSE

Despite multiple attempts, the prior supplier could not get to the root of what was causing the material to leave residue on the blades. Frustrated with the significant, ongoing production issues, the diagnostic product manufacturer turned to TekniPlex Healthcare.

SOLUTION

TekniPlex used its significant technical knowledge to come up with a new structure that would meet barrier requirements, yet not leave behind residue. The material met the requirements of being able to seal on existing equipment, maintain current line speeds, meet price target and be delivered in a

shortened timeline is produced at the company's Madison, Wisconsin facility, is currently going through validation and is not displaying any of the residue issues of the prior material.

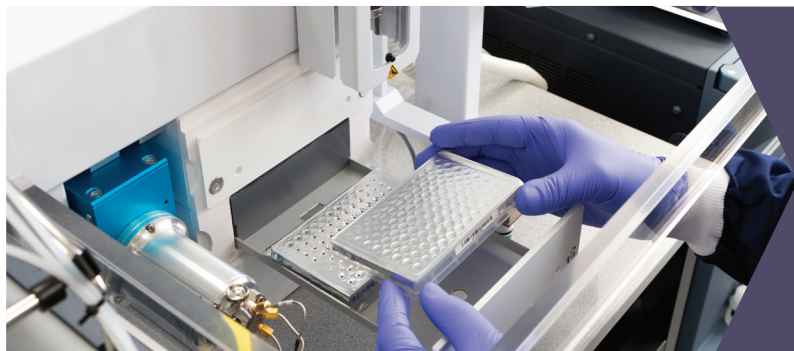
The customer is looking forward to converting its line to the TekniPlex Healthcare material. This will enable them to eliminate the negative economic impacts and the headaches associated with a problematic material structure.



BENEFIT

By converting to the TekniPlex Healthcare material, **the diagnostic product manufacturer will eliminate** the following issues:

- Approximately \$150K in wasted material annually
- 100 plus hours annually of downtime
- \$30 to \$35K in annual labor costs to address the problem
- \$250K direct manufacturing costs
- \$100K in lost product output annually



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ABOUT TEKNIPLIX HEALTHCARE

TekniPlex Healthcare deploys world-class material science expertise to deliver value in creating products for medical devices, diagnostics, and drug delivery. With a deep understanding of the needs of end-users, our offerings ensure we provide innovative solutions at the point of patient care. For more information about TekniPlex Healthcare and our solutions, visit [www.TekniPlex Healthcare.com/healthcare](http://www.TekniPlexHealthcare.com/healthcare).