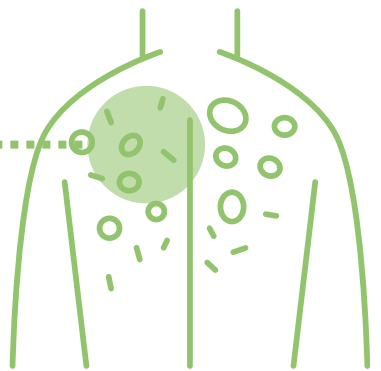


Spectroscopy Device



The Device: Handheld spectroscopy diagnostic device.

Project Scope: Take existing design into production in Nextern Vietnam and help client prepare for commercial launch.



CHALLENGES

New supplier growing pains

Late phase design changes

Commercial goals not hit

ENGINEERING SOLUTIONS

New fixturing and testing processes and increased supplier communication

Iterative change requests during production

Setting clear expectations on unit pricing and changes needed to hit COGS

Results:



Resource Team

Leveraged resource team and suppliers in Vietnam to bring down unit price.



Communication

Collaborated with electrical engineering US support for troubleshooting globally.



Testing & Fixturing

Implemented supplier management and partnership to solve PCBA issues.



Re-alignment

Met with team to re-align on pricing and design changes to meet their desired unit price.



DFM

Fiber, chasis and membrane design changes were implemented as part of design for manufacturing.

Project Wins:

Global team success launching manufacturing for a product directly in our Vietnam site , and hosted customer on site at Vietnam for weeks to collaborate on device launch timing.

End point:

Design for manufacturing engineering to decrease unit price and hit commercial production goals.