

## Case Study:

# Cable Looms Save Time and Money

## The Problem

The customer had various challenges with the production of large, industrial electron microscopes. They were incorporating several different cable assemblies in their product, which meant a lot of routing of cables and a large amount of product management. They were looking to create efficiency in their workflow, and save money and time.

## The Solution

GTK engineers worked with the customer at their premises, re-working the cable designs to create a single umbilical loom. This combined each separate cable harness into a single, easy to route assembly, complete with its own sheathing. By following a Design for Manufacture (DFM) approach, GTK was able to streamline the customer's installation process and produce a superior overall build.

## Key Benefits

### Cost Efficiencies

Due to the improved efficiencies identified, the customer greatly reduced their labour and final assembly costs.

### Time Saving

Our DFM approach resulted in cables that were supplied loomed and formed to the customer, saving 45 minutes on installation time per unit.

### Business Advantage

Customer was able to improve their own installation process, and maintenance on their units was much easier with just a single loom in place.

**Need help with your project?**



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