

# Injection Mould

## The Customer

A UK manufacturer and world leader in a branch of industrial air handling. Forward thinking engineers aiming to take cost out of their product without sacrificing performance or quality.

## The Challenge

The project involved the replacement of an existing exhaust tube which was fabricated in house, with a compromised design. As volumes increased a more suitable solution had to be found.

## Inoplas Input

Working from the customer's initial ideas, Inoplas helped to remodel the component to ensure that it could be reliably moulded and that key dimensions were maintained. A key challenge was to avoid adding time to the final assembly process. With customer input we came up with a push fit that fitted the design requirement and was the most cost effective option.



## Wrap Up

*"We were not at all sure that this could be done but the engineering team at Inoplas guided us from start to finish on this important project and the successful realisation of this part has given us the confidence to move to injection moulding for other assemblies."*

Project Manager – B International LTD

# Overmould

## The Customer

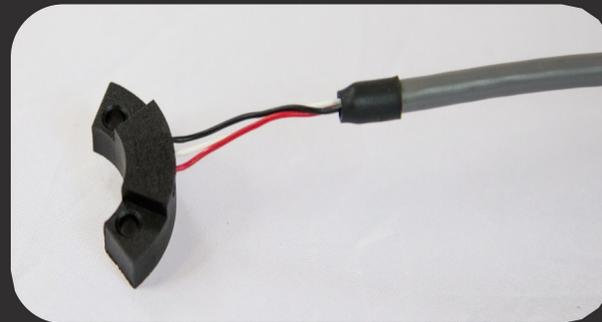
A global market leader in a particular technology needed to enclose a PCB based movement sensor in a curved housing to target on a steel shaft. The customer approached Inoplas early in the project to discuss the feasibility of using an over mould.

## The Challenge

The solution needed to reduce costs as well as demonstrate improved quality in a consolidated package, in order to reassure the customer's highly conservative installed base. In addition, the assembly needed to fit within a closely defined physical space.

## Inoplas Input

Inoplas spent a good deal of time with the customer's project team to understand the requirements of the project and the specific environmental constraints of the electronics. We developed prototypes to prove that the PCB could withstand the injection pressure and temperature. We then specified materials and tool design, to meet this criteria.



## Wrap Up

*"This was the first foray for us into injection moulding of electronic assemblies and the critical aspect was whether plastic could achieve the very fine tolerances we need to work to. Inoplas took all of this in its stride and the assembly is now a successful part of our range."*

Project Manager – G Group Inc

# Cable Assembly

## The Customer

A start up company with strong electronics capability needed a flexible manufacturer to produce small batches of cable assemblies for data transfer purposes in its growing range of consumer products.

## The Challenge

The customer needed a rapid turnaround of small batches of bespoke cables. Costs were an issue but the customer wanted to outsource as much as possible to enable their team to focus on development and business growth.

## Inoplas Input

Having invested in several well equipped cells to cover all aspects of cable assembly and with a trained team already in place, Inoplas was easily able to interpret the customer's requirements and get into production straightaway. In addition our buying power minimised the component cost and our ISO:9001 processes gave full compliance and traceability.



## Wrap Up

*"Inoplas understood what we needed and turned our prototypes into repeatable assemblies. We have now expanded our work with them and could not have achieved our own growth rate without the professional input we have had."*

Founder – TFW8B Ltd