

## Teledyne Impulse-PDM

# Encapsulated & Moulded Products

Encapsulation and Moulding Using Polyurethanes,  
Polyethylenes and Epoxies

All moulding and encapsulation are designed, manufactured, and tested to BS EN ISO 9001:2008 accredited standards

Teledyne Impulse-PDM (TI-PDM) is committed to developing cost effective solutions combined with quality.

With a highly experienced team of moulding specialists, we offer a full range of encapsulation and moulding services.

Teledyne Impulse-PDM mouldings are produced in synthetic resins and elastomers for many applications including high voltage terminations, precision components and other demanding product specifications.

Encapsulated transducer elements and arrays requiring specific mechanical, electrical and acoustic properties from the encapsulant are manufactured to customer specification. Advice is available on special elastomer formulations for acoustic windows and absorbers. TI-PDM vacuum encapsulate units such as pipeline inspection modules which operate at pressures up to 5800psi.



*Polyurethane Elastomers and Primers*

## PRODUCT APPLICATIONS

- Specialist techniques to encapsulate printed circuit boards, and fragile components such as fibre optics and fine wiring assemblies for mechanical protection and to prevent moisture ingress
- Encapsulation and moulding using polyurethanes, polyethylenes and epoxies
- Encapsulation under vacuum or pressure, open cast or moulded, in custom designed tooling
- Potting and moulding using transparent or coloured materials
- Encapsulation using materials formulated to suit specific requirements
- Ruggedizing and waterproofing cables
- Design and manufacture of complex, intricate moulds ranging from 10mm to 2m in length
- Machining encapsulated assemblies to facilitate further mechanical assembly operations
- Encapsulation of pcb assemblies and sensitive devices



**TELEDYNE IMPULSE-PDM**  
Everywhere you look™

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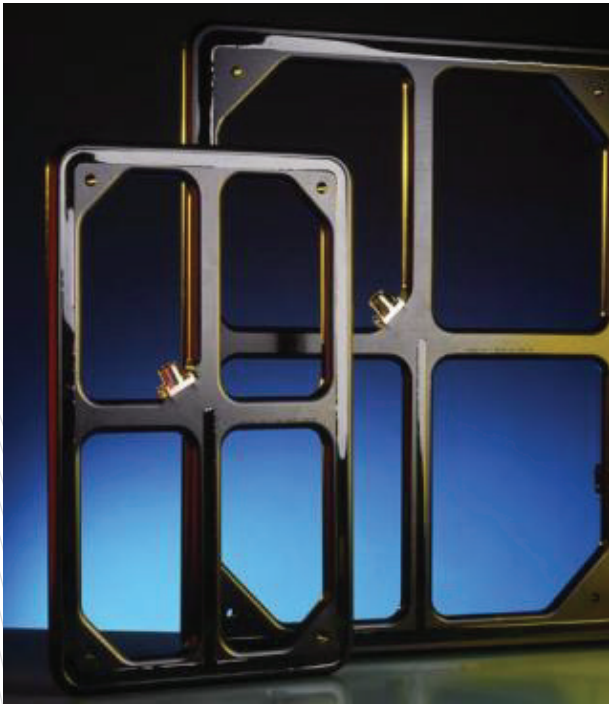
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Development work can be undertaken to enable production of multi-part mouldings where specific encapsulant properties are required for different parts of the assembly. This form of construction often results in a lower cost product with improved properties. With TI-PDM's involvement in the connectors it is frequently possible to satisfy customer needs in all areas of sensor/cable/connector termination, moulding & encapsulation.



*A selection of moulded products*

Quality control of all materials and processes is achieved through company standards, specifications and quality procedures. Extensive experience in elastomer encapsulation and mould design allows excellent service with a very quick response. All design, manufacturing and stockist activities are carried out under BS EN ISO 9001:2000 in TI-PDM's facilities at Alton, Hampshire.



*Electromagnetic scanning coils*

If you have a need for encapsulated or moulded products please contact TI-PDM to discuss your requirement.



*Piezoelectric and electromagnetic sensors*