



### **What was Mtechs' brief?**

When Express won the right to manufacture and market a novel industrial door system from an American company, Mtech was asked to carry out a thorough assessment of the product, and to recommend any design changes that might be needed.



### **THE CLIENT**

Express is a well-established manufacturer of modular steel portal frame buildings, with a reputation for fast, turnkey operation, from design through to completion on site.

#### **What did the client want to achieve?**

They needed to be certain that the US-designed product complied with the requirements of the relevant European Directives and Health and Safety legislation.

#### **What area of Mtech expertise did we employ?**

We tested the product, to prove that it conformed to the various standards, arranging where necessary for accredited laboratories to carry out specialist testing and examination of critical components.

#### **What did Mtech actually do? What did we facilitate?**

Mtech had to create a Technical Construction File for the standard product range as defined in the EC Directives. It also had to assess whether any additional Health & Safety information was required, and to gain from the DTI and EOTA formal approvals of which CE Directives would apply. A special investigation for the wiring and controls panel had to be arranged with a UKAS approved laboratory, and a test was also

commissioned to confirm compliance for EMI emissions. Mtech also had to advise on alternative UK sources of supply, where construction or material information was not readily available from the US suppliers. A review of the Company's production procedures was carried out, to establish if any changes might be necessary to the existing processes to safeguard the essential requirements of the EC Directives during series production. Certain changes were agreed, and the recommendations were incorporated into the final Product Assessment Report.

#### **What benefits did the client receive from the work Mtech carried out?**

A detailed Technical Construction File verifying product compliance was prepared, together with guidance on CE Marking, as well as additional Health & Safety information for users and customers.

#### **What was the result of the work Mtech carried out?**

Express Hi-Fold Doors was successfully launched, with a compliant Declaration of Conformity to EC Directives.

