



LORDGATE ENGINEERING

## PRODUCT PROFILE

# ENCLOSURES, CONTROL PANELS & ELECTRICAL CABINETS

At Lordgate Engineering Ltd, we manufacture many types of enclosures and cabinets of all shapes and sizes, surface finishes and material construction.

Using our CAD modeling facility we are able to create 3D product images, demonstrating fully the characteristics of the product, prior to producing 2D drawings for the purpose of manufacture, thereby removing the requirement for expensive prototyping.

Alternatively we are very happy to manufacture our customers product from their supplied information transferred in the form of paper copy drawings, DXF files or electronic mail.



### Markets

- Communications
- Rail (underframe and interior)
- Printing
- Military
- Medical Research equipment
- Considerable industrial applications

### Finishing Available

- Powder Coating
- Wet Spraying
- Mechanical Polishing
- Chemical Polishing
- Anodising
- Screen Printing



### Material Selections

- Aluminum Sheet
- Aluminum Extrusion
- Stainless Steel (all grades & Finishes)
- Steel Sheet and Sections
- Pre-Painted & Pre-Coated Sheet

## MANUFACTURING

**CAD**, We operate the latest AutoCAD modeling and drawing package, producing both 2D drawings and 3D images.

**CNC Laser**, enables the profiling of all sheet materials without the requirement of additional tooling, allowing the cutting of intricate profiles and hole patterns to suit assembly applications without additional cost.

**CNC Folding**, We have invested considerably in the latest off-line programmable equipment with extensive tooling to achieve all bend radius and profile section folding

**Welding**, MIG and TIG welding operations are completed by approved coded welders, using the latest 2000 generation Kemppi welding plants, providing higher efficiency, reduced distortion and increased weld quality.

**Finishing**, All types of finishing is completed with quality control checks on, thickness, gloss level and protective resistance.

**Assembly**, dependant upon customer requirements, product can be supplied in various stages of mechanical assembly.

- Fully assembled awaiting installation of electrical equipment.
- Semi-assembled for sub-assembly of electrical component parts prior to full assembly.
- Kit of Parts. A preferred method of line-side high production manufacture, with minimum packing and in-house control of volume assembly.



Lordgate Engineering Ltd retain considerable stocks of material's, including the most frequently used hinges and locking systems. Alternatively computer generated images from catalogues can be downloaded from the Internet to confirm suitability of the application.