



ADDISON ELECTRICAL
LTD

DESIGN & ENGRAVING DIVISION



Telephone: 01261 843870 ~ Mobile: 07789 931918
Email: engraving@controlpanels.co.uk ~ Web: www.addisonengraving.co.uk

ADDISON ELECTRICAL DESIGN & ENGRAVING DIVISION

OUR PLANT

We employ only the best machines available to ensure reliability, quality and minimum disruptions to our business to ensure goods are always completed on time.

The first machine is a Gerber CNC router with a work surface area of 1350 x 2565 mm which means that we can tackle any size of project with ease.

Some companies have smaller working area machines which mean that for large engraving jobs they have to stop halfway and turn the job around in order to complete.

Our Gerber router can work with a vast range of materials such as:-

Stainless Steel (**up to 3 mm**), Aluminium, Brass, Imitation Granite, Traffolyte, Perspex, Di-Bond, Hardwood, Softwood, MDF & more.

The second machine is a Mutoh CMYK wide format printer with a printing width of 1220 mm. This machine has patented technology that prevents banding and streaks in print work for a superior finish.

Our printer can print on to a vast range of digital materials such as:-

Banner Canvas, Wallpaper, Backlit Film, Vinyl, Artistic Canvas & much more.

The third machine is a Gerber Plotter for cutting vinyl decals and shapes with a working width of 1400 mm. This is used for print & cut jobs or just cutting vinyl shapes/lettering out.

The fourth machine is an Easymount laminator with a working width of 1400 mm. This machine is used for laminating printed vinyl & banners.

The reason for laminating vinyl & banner is that although the ink is waterproof the weathering will eventually fade and wash off the ink in a few years time.

This is essential for printed vehicle graphics as road salt & washing detergents will remove the ink within no time at all.

Laminating the vinyl & banner will give the artwork a longer life, withstand the environmental impacts and makes printed vinyl easier to apply as it thickens the vinyl with the coating.

Laminating is not always essential as it just really depends on the two main factors which are the **working environment** and if in use long term or **short term**.

The final machine in our plant is a flame polishing machine which is for polishing cut acrylic edges and shapes. This achieves a finish which is like a crystal glass effect.



ADDISON ELECTRICAL DESIGN & ENGRAVING

ABOUT OUR COMPANY

Phase 1 - Addison Electrical Ltd formed

In 1983 our company was formed by Kenneth Addison who started off doing general electrical work. After several years he extended our business activities to building control panels. We now design and build customised control panels for water treatment plants, mills, agricultural installations and marine ballasting applications. We also specialise in the design, manufacture and installation of monitor screens and controls for identifying and remedying faults in any process system.

We have a program of ongoing research and development to keep ahead of the field. All systems are personalised to our customer's requirements. We are committed to providing an extremely high standard of customer care and support and can be contacted 24 hours a day, all year round. Our control panels can be operated, monitored and diagnosed remotely by us in most locations throughout the world.

Phase 2 - Addison Electrical Ltd and Addison Design formed

Late 2008 as a result of continuous business growth and diversification we extended our activities with the addition of a design & engraving department to offer our customers a wider range of services to suit any application. After leaving school Kenneth Ian Addison joined the respected family business to operate our new department.

Kenneth Ian Addison quoted: *"My aim is to provide a quality and comprehensive range of services to offer a one stop design service."*



Kenneth Addison II
Design & Engraving Director

WHAT MAKES OUR SERVICE DIFFERENT FROM OUR COMPETITORS?

Unlike other engraving companies, Addison Electrical designs and manufactures every component in house using our specialised machinery combined with creative graphic skills.

All our projects are designed and manufactured to the highest standards every time with long term life span of goods.



WHAT OUR SERVICE COULD OFFER YOUR BUSINESS

We can offer the full service from start to finish keeping everything within one company preventing delays and other communication problems.

The main areas we cover are:-

We are proud that we can offer a full range of services all tailored to customer requirements and a service of distinction.

We specialise in:-

Banners, Labels, Signage, Digital Printing, Vehicle Graphics, Industrial/Commercial Engraving, 3D signage, Illuminated Signage, Bespoke Designs, Custom CNC Produced Components, General Signage, Mimic Panels & Panel Screens.

The general materials we work with:-

We utilise a vast range of materials such as:-
Stainless Steel, Brass, Aluminium, Perspex, Plastic, Mirrored Perspex, Wood, MDF, Vinyl, Banner and transparent film for light boxes.

Specialty Plastic Service and Fabrication

For Perspex applications we offer a flame polishing service which involves a special machine with a high temperature flame control gun. This is done as machine cut edges/shapes are a clean dull colour so we run the fine flame over the edges/shapes in one pass every side which creates a transparent finish which looks like crystal.

This is ideally suited for display systems/cases and specialty products which are on display.

In conjunction with this we build custom bespoke plastic products where flame polishing is required as this is on display and will look unfinished without this.

Di-Bond Fabrication

We can fabricate Di-Bond known as aluminium composite sheet from sign back plates to build up trays for outdoor/indoor signage systems.

This is a general purpose material which can be used in many applications to provide a durable finish which comes in a wide variety of finishes.

What level of customer care and aftercare you can provide?

We strive to ensure that all designs for manufacturing is completed on or before given deadlines to prevent any disruption to our customers business.

All our work on completion goes through our quality control system ensuring continuous results of distinction every time.

We provide free quotations and are pleased to answer any questions with friendly advice ensuring maximum production results.



OUR CNC ROUTER SERVICE

Using our skills and experience combined with our CNC router the possibilities are endless. This can be from an individual brass name plate to a complete corporate rebrand or even mass production runs.

Here at Addison Electrical we can tackle almost anything and strive to ensure our customers receive the best possible design and manufacturing service.



THE DESIGN SERVICE

We use the latest software and can offer a full design service to suit all of our customers.

If you have your own files we can import the artwork into our software and make any necessary adjustments to achieve the desired finish. The main file types we can accept are an **EPS** file, **PLT**, **DWG**, **DXF**, **AI**, **JPEG**, **CDR** & **PSD**.

In addition to this we can accurately reproduce existing designs to the highest of standard every time.

We can take a concept and take it to a finished product and after that it can be mass produced if desired.

To finish with we have the latest edition of Vehicle Outlines 2010.



ILLUMINATED BACKLIT PICTURES

Applications:

Offices, Waiting rooms, Restaurants, Cafe's, Schools, Showrooms and homes.

Are you looking for a simple but yet modern feature to add a different dynamic to your business?

If yes, look no further as we can offer a solution that will achieve this.

The main idea is that if a joiner makes a box section in a wall, we then design, supply a frame and a lighting kit consisting of high quality fluorescent fittings to provide superior light. In addition to this we print any image i.e. Staff Photo on to high quality backlit film that lets the light through to illuminate the picture.

This is a simple cost effective investment that adds a different dynamic to any business which can be printed any size.

This is easy cleaned as the backlit film is behind a 3 mm Perspex window which is shatterproof and protects the film.

Included in the kit:

A custom build finishing frame, Perspex window, Lighting, Installation instructions and fixing kit to suit.

An other system we offer is a custom built box frame that can be wall mounted to house the backlit film complete with suitable lighting that a competent electrician connects to the mains power.

Included in the kit:

A custom build box frame, Perspex window, Lighting, Installation instructions and fixing kit to suit.



BESPOKE WALLPAPER/CANVAS SERVICE

Applications:

Houses, Offices, Waiting rooms, Showrooms, Restaurants, Cafes and Schools.

Are you looking for a solution to add a bespoke unique style to your home or industrial commercial premises?

If Yes, we can print any image onto wall paper material ready to applied by a professional painter and decorator.

This is a high quality easily cleaned down canvas paper which delivers superior colour and wear and tear.

We also offer this on a smaller scale which involves printing any image or design on this wallpaper material which has a textured effect and build a wooden frame that is hidden behind the canvas.

This creates modern art that is unique and bespoke which is simple and cost effective.



3D SIGNS & DIFFERENT MATERIALS COMBINED

Our specialised signs of distinction can be designed, constructed and manufactured from various materials. This makes any name or slogan stand out from the rest and are fully bespoke to our customer needs and specifications.

All the various materials to create different layers are all carefully chosen to suit the environments that the signs will be used for to provide long and durable lifespan.

All components are manufactured to the highest quality and finished to the highest standards with durable finishes available.

In addition to this we can combine creative graphic skills with our machined components to provide maximum effect for your specialised sign.

It is important when choosing a sign that you get the sign you want so why not take advantage of our superior design and manufacturing service.

BESPOKE COMPONENTS/ ENCLOSURES

We can offer specially designed components or enclosures to suit any bespoke designed whether it is finished product or prototype runs.

For the electronics industry we can design any custom enclosure to suit any shape/size of printed circuit board made to the highest quality every time.

Below are signs that we designed and manufactured for Aberdeen Grain at Whiterashes.



BANNERS

We can offer a banner printing service where we design and manufacture banners on various materials from short term to long term. All our banners can be finished in various ways from eyelets to hemmed banners with eyelets for extra strength

All our banners as an optional extra can come supplied with bungee cord for ease of mounting. For specialised installations we can supply specialist frames and finishers to suit any application.



Above are Banners that we designed & manufactured for Turriff Agri Parts Ltd.



CNC 3D TRADITIONAL CARVING

Our CNC router has specialised software which can create automatic accurate carving and prismatic shapes to the highest quality every time. This gives your sign a higher class of finish which is also cost

effective as this is CNC controlled and can do it in more than half the time of the old traditional way of carving. With over 300 font styles to choose from you can turn any text into an eye catching traditional carving article.



VEHICLE GRAPHICS & DECALS

We can design and manufacture vehicle graphics/decals and can offer a fitting service as an additional extra.

We use specialist software where we have the most popular vehicle outlines on our system and can design the graphics using the vehicle outlines to make installation and accuracy an easy operation.

This is also an advantage to our customers as they can see this on the vehicle on every panel before investing in artwork rather than try it and see how it looks.



We can custom colour vinyl to match your company logo using the PANTONE colour values that the logo is filled with.

It is a very good colour match. We did this for ACE Winches because they wanted an exact match to their company logo.

This is an ideal solution because PANTONE coloured vinyl

is not available off the shelf. You can get the factory to make you a custom roll but this is very expensive, so that's why we colour our own vinyl. The advantages of this is that the colour match is excellent, you only print what you need and this is much cheaper.

MIRROR SERVICE

We can make a direct replacement for an existing mirror and can create a bespoke design/pattern to make the mirror one of a kind. This is good for companies who may want their corporate logo engraved on to the mirror from behind, which looks like the logo is sandblasted into the mirror. We achieve this using a special finishing film.

Our Perspex mirror sheets are available in either 3 or 6 mm thickness. The main advantage of this type of mirror is that it will not shatter like a traditional mirror, it is stronger and lightweight.

In addition to this we can source see through mirror like police stations use. This is an ideal advantage for shops as CCTV cameras can be hidden behind and we can also provide the same service for this type of mirror.

This does not just have to be used for mirrors, as mentioned on page 7. This can also be incorporated as part of a sign system etc.



HEALTH & SAFETY SIGNS WITH COMPANY LOGO OR WITHOUT

Using our latest edition of our sign library/CD we can make a wide range of health & safety stickers with any company logo. This makes the stickers unique and looks more professional looking compared to the traditional type.

We can print any size and quantity of stickers in general and can be supplied as a sticker, mounted on 3 mm Di-bond or 1.5—2 mm rigid PVC.



SPECIFICATIONS FOR DIGITAL FILE PREPARATION

Addison Design utilises a Mutoh Eco-Solvent printer which is capable of printing resolutions of 1440 x 1440 dpi.

Basic technical information for file preparation is included below. Addison Design shall not be liable for errors or delayed delivery times as a result of incorrectly submitted files.

If you have any questions or requests please contact:
Kenneth Ian Addison on 01261 843870.

DESIGN SPECIFICATIONS

Raster Images – Scanned images should have a minimum resolution of 100 dpi (dots per inch) at final output size or a proportional size to resolution, ie: a 10' x 10' @ 100 dpi or a 5' x 5' image at 200 dpi or a 2.5' x 2.5' image @ 400 dpi. Our preferred method for saving raster images is EPS, TIFF or JPEG.

Vector Files – Line art and graphics created in illustrator should be saved in the native format to reduce file size. They may also be saved in EPS format. Text may be placed in files, but please convert to outlines to avoid font issues. If this is not done, please include the copy of the font that was used so we may accurately image your job. Please include all linked files used in the production of the artwork.

PLEASE DO NOT EMBED IMAGES.

Colours – The Mutoh printer is a CMYK printer. Please have all the files saved in CMYK. Include any colour breakdowns or PANTONE numbers for specific colour matching. Please note- colours chosen may look different on your monitor, if necessary you can look at the colours on our monitor as they are calibrated to match the print out.

Media – We can accept a wide range of potions such as CD/DVD, a Flash Pen or Memory Card.

We are a PC based company and cant accept MAC files.

Please supply us with a hard copy/paper print where possible. Logos can be re-drawn when necessary, this will incur an additional artwork charge.

PROGRAMS

We utilise the following programs:

- Adobe Photoshop up to CS4
- Adobe Illustrator up to CS4
- Corel Draw up to X5
- AutoCAD up to 2009
- OMEGA up to 3.0

Other programs are acceptable, as long as files are exported as EPS, AI, TIFF or JPEG.

BANNERS

Banners are finished with a hem if required, which is generally 2' top and bottom and 2' side seams. Art files should be adjusted accordingly, with particular attention to placement of text. Please beware of where hems fall on your artwork.

