

Enclosures



Enclosures

DEM Manufacturing offer an extensive range of enclosures and custom engineered solutions. All boxes can be supplied with close fitting lids providing excellent screening against EMI/RFI, ideal housing for electronic components and circuits.

- ABS and Aluminium enclosures to meet your requirements
- Aluminium boxes available in six standard finishes: Plain, Powder Coated Grey and Nylon Coated Grey, Blue and Black
- Custom colours and finishes available to your specification
- Flanged range with pre-drilled external mounting flanges
- IP66 sealed range
- Custom engineered solutions



All Purpose Aluminium Box

Aluminium die cast boxes complete with close fitting lids, secured by four, six or eight countersunk screws ensuring excellent EMI/RFI screening.

| BOX SIZE (MM) | | | | ORDER CODE | | |
|---------------|-------|-------|-------|------------|-----------------|----------------|
| PCB guide | L | W | H | Plain | Powder Coated** | Nylon** Coated |
| | 88.9 | 34.9 | 29.5 | 459-0010 | 461-0010 | 462-0010 |
| | 114.3 | 63.5 | 29.5 | 459-0020 | 461-0020 | 462-0020 |
| | 114.3 | 88.9 | 54.9 | 459-0030 | 461-0030 | 462-0030 |
| | 114.3 | 64.5 | 54.9 | 459-0040 | 461-0040 | 462-0040 |
| | 171.5 | 120.6 | 54.9 | 459-0050 | 461-0050 | 462-0050 |
| | 171.5 | 120.6 | 105.7 | 459-0060 | 461-0060 | 462-0060 |
| | 222.3 | 146 | 54.9 | 459-0070 | 461-0070 | 462-0070 |
| | 222.3 | 146 | 105.7 | 459-0080 | 461-0080 | 462-0080 |
| • | 275 | 175 | 65 | 459-0090 | 461-0090 | 462-0090 |
| • | 139.7 | 101.6 | 76 | 459-0100 | 461-0100 | 462-0100 |
| • | 165 | 127 | 76 | 459-0110 | 461-0110 | 462-0110 |
| • | 120 | 100 | 35 | 459-0120 | 461-0120 | 462-0120 |
| • | 250 | 250 | 99.3 | 459-0130 | 461-0130 | 462-0130 |
| • | 80 | 55 | 25 | 459-0140 | 461-0140 | 462-0140 |
| • | 60 | 55 | 30 | 459-0150 | 461-0150 | 462-0150 |

• Boxes with PCB guides **Colour Option - Code Suffix: Grey = A Blue = B Black = E



Sealed Aluminium Box

Self-adhesive neoprene seals providing IP66 rating when attached to the box lids.

| BOX SIZE (MM) | | | | ORDER CODE | | |
|---------------|-------|-------|-------|------------|-----------------|----------------|
| PCB guide | L | W | H | Plain | Powder Coated** | Nylon** Coated |
| | 88.9 | 34.9 | 30.5 | 460-0010 | 453-0010 | 454-0010 |
| | 114.3 | 63.5 | 30.5 | 460-0020 | 453-0020 | 454-0020 |
| | 114.3 | 88.9 | 55.9 | 460-0030 | 463-0030 | 454-0030 |
| | 114.3 | 64.5 | 55.9 | 460-0040 | 463-0040 | 454-0040 |
| | 171.5 | 120.6 | 55.9 | 460-0050 | 463-0050 | 454-0050 |
| | 171.5 | 120.6 | 106.7 | 460-0060 | 453-0060 | 454-0060 |
| | 222.3 | 146 | 55.9 | 460-0070 | 453-0070 | 454-0070 |
| | 222.3 | 146 | 106.7 | 460-0080 | 453-0080 | 454-0080 |
| • | 275 | 175 | 66 | 460-0090 | 453-0090 | 454-0090 |
| • | 139.7 | 101.6 | 77 | 460-0100 | 453-0100 | 454-0100 |
| • | 165 | 127 | 77 | 460-0110 | 453-0110 | 454-0110 |
| • | 120 | 100 | 36 | 460-0120 | 453-0120 | 454-0120 |
| • | 250 | 250 | 100.3 | 460-0130 | 453-0130 | 454-0130 |
| • | 80 | 55 | 26 | 460-0140 | 453-0140 | 454-0140 |
| • | 60 | 55 | 31 | 460-0150 | 453-0150 | 454-0150 |

• Boxes with PCB guides **Colour Option - Code Suffix: Grey = A Blue = B Black = E



Flanged Aluminium Box

Pre-drilled external mounting flanges for quick and easy mounting, whilst retaining full EMI/RFI screening properties.

| BOX SIZE (MM) | | | | | ORDER CODE | | |
|---------------|-------|-------------|-------|-------|------------|-----------------|----------------|
| PCB guide | L | L (exc Flg) | W | H | Plain | Powder Coated** | Nylon Coated** |
| • | 114.3 | 89.2 | 35.1 | 29.5 | 455-0010 | 457-0010 | 458-0010 |
| • | 139.7 | 114.1 | 63.6 | 29.5 | 455-0020 | 457-0020 | 458-0020 |
| • | 139.7 | 114.2 | 89.1 | 54.9 | 455-0030 | 457-0030 | 458-0030 |
| • | 139.7 | 114.7 | 63.7 | 54.9 | 455-0040 | 457-0040 | 458-0040 |
| • | 202 | 171.8 | 120.8 | 54.9 | 455-0050 | 457-0050 | 458-0050 |
| • | 202 | 171.8 | 120.8 | 105.7 | 455-0060 | 457-0060 | 458-0060 |
| • | 252 | 222.6 | 146.4 | 54.9 | 455-0070 | 457-0070 | 458-0070 |
| • | 170 | 140 | 101.6 | 76 | 455-0100 | 457-0100 | 458-0100 |
| • | 152 | 120 | 100.2 | 35 | 455-0120 | 457-0120 | 458-0120 |

• Boxes with PCB guides **Colour Option - Code Suffix: Grey = A Blue = B Black = E



Sealed & Flanged Aluminium Box

Self-adhesive neoprene seals providing IP66 rating when attached to the box lids. In addition pre-drilled external mounting flanges offer quick and easy mounting.

| BOX SIZE (MM) | | | | | ORDER CODE | | |
|---------------|-------|-------------|-------|-------|------------|-----------------|----------------|
| PCB guide | L | L (exc Flg) | W | H | Plain | Powder Coated** | Nylon Coated** |
| • | 114.3 | 89.2 | 35.1 | 30.5 | 456-0010 | 463-0010 | 464-0010 |
| • | 139.7 | 114.1 | 63.6 | 30.5 | 456-0020 | 463-0020 | 464-0020 |
| • | 139.7 | 114.2 | 89.1 | 55.9 | 456-0030 | 463-0030 | 464-0030 |
| • | 139.7 | 114.7 | 63.7 | 55.9 | 456-0040 | 463-0040 | 464-0040 |
| • | 202 | 171.8 | 120.8 | 55.9 | 456-0050 | 463-0050 | 464-0050 |
| • | 202 | 171.8 | 120.8 | 106.7 | 456-0060 | 463-0060 | 464-0060 |
| • | 252 | 222.6 | 146.4 | 55.9 | 456-0070 | 463-0070 | 464-0070 |
| • | 170 | 140 | 101.6 | 77 | 456-0100 | 463-0100 | 464-0100 |
| • | 152 | 120 | 100.2 | 36 | 456-0120 | 463-0120 | 464-0120 |

• Boxes with PCB guides **Colour Option - Code Suffix: Grey = A Blue = B Black = E



Custom Solutions

DEM Manufacturing offer bespoke solutions for customers who recognise the benefits in purchasing a total solution from a single source. We provide a range of aluminium enclosures and ABS boxes which can be machined and finished to your exact specification including screen printing and engraving. We are also happy to provide these services for 3rd party enclosures. Our investment in new machinery and technology to support this service includes a new 4 axis machining centre (XYZ 1010VMC) with Siemens 810D controller. This machine centre is capable of completing most applications in a single cycle, lowering setup times, batch sizes and reducing lead times to our customers. Combine this with the SolidWorks and EdgeCAM capabilities and we have a full service solution - from design through to delivery.



Design

DEM Manufacturing can offer your business full CAD design services using Solidworks CAD software.

Production

Design can be transferred directly to our machining centres including our newly installed 4 Axis machine using Edgecam software.



Quality

Our modern facilities are supported by our traditional tool making knowledge and experience to deliver a quality product to your exact specifications.

About Us

Established in 1946, Deltron Components has been recognised as a market leader in the manufacture and supply of aluminium enclosures.

In addition to standard aluminium enclosures, DEM provide a custom solution service including all types of **materials**, **machining** and **finishing requirements**. For example:

- Materials - ABS, Aluminium, Mild Steel etc**
- Machining - All forms of apertures**
- Finishing - Pre-treatment, including Iridite NCP**
- Nylon / Powder Coating to BS and RAL standards**
- Screen Printing and Engraving**

DEM Manufacturing is a division of Alpha 3 Manufacturing Limited, which also incorporates CCS Electronics and CTL Manufacturing.

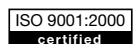
DEM Manufacturing (formerly Deltron Emcon) manufacture a wide range of electro-mechanical solutions including EMC filters, aluminium enclosures, professional audio connectors, broadcast patching products and sheet metal forming equipment.

CCS Electronics is a sub-contract manufacturer specialising in the manufacture of cable harness, box build and electro-mechanical assembly. CCS is highly experienced in a wide range of industries including industrial, medical, wafer fab, test and measurement, military and automotive.

CTL Manufacturing is a sub-contract manufacturer specialising in the manufacture of cable harness, looms, wired conduits, electro-mechanical assembly, panel and cabinet wiring. CTL has a vast wealth of experience and expertise drawn from a wide range of industries including, security, military, medical, traffic monitoring and aviation.



CERTIFICATE No. FM 24398



Contact Us

DEM Manufacturing
Deltron Emcon House
Hargreaves Way
Sawcliffe Industrial Park
Scunthorpe, North Lincolnshire
DN15 8RF

Tel: 44 (0) 1724 273200
Fax: 44 (0) 1724 280353
E-mail: sales@dem-uk.com
Web: www.deltron-boxes.com
www.dem-uk.com

