



The Enclosure & Instrument
Case Designer & Manufacturer



PERANCEA

Thin Gauge Material Capabilities

Perancea has developed its expertise for fabrication using thin gauge materials down to 0.2mm based on extensive CNC technology providing a highly competitive alternative solution to chemical etching. Based on the significant advantages of the company's ready formed boxes and enclosures, Perancea solutions are shipped ready for instant use rather than as flat sheet forms that require folding as normally associated with chemically etched parts.

With expertly designed in-house tooling, Perancea now offers high quality, thin, burr free components for high reliability solutions that are not usually associated with this extremely cost-effective production method. The complete range of Perancea standard sizes and styles as well as custom designs are now available to special order in thinner materials:

Nominal Thickness (mm)	0.18	0.20	0.30	0.34	0.40	0.45	0.50	0.54	0.55	0.559	0.60	0.70	0.80	0.90	0.914	1.00	1.20	1.219
Bright Mild Steel (BS EN 10130 DC01)	X	X	X	X	X	X	✓	X	X	✓	✓	✓	✓	X	✓	X	X	✓
Electrolytic Tinplate (BS EN 10202: 2001)	✓	✓	X	X	✓	X	✓	X	X	X	X	X	X	X	X	X	X	X
Copper (BS EN 1652 CW004)	X	X	✓	X	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓
Brass (BS EN 1652 CW508)	X	X	✓	X	✓	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓
Nickel Silver (BS 2874 NS106)	X	X	✓	X	✓	X	✓	X	X	X	✓	X	X	X	X	✓	X	X
Aluminium (BS EN 485 515 573)	X	X	X	X	X	X	X	X	X	X	X	✓	X	✓	X	✓	✓	X
Stainless Steel (BS EN 10088-2 304)	X	X	X	X	✓	X	✓	X	X	X	✓	✓	✓	✓	X	✓	✓	X

NB: Manufacturers' tolerances on thin gauge materials can vary on nominal thicknesses by up to 10%.

Perancea offers a choice of finishes including **bright acid tin & electro-tin** to BS 1872, **nickel plate** to BS EN 12540, **electroless nickel** to DEF 03-5 Iss.B and **zinc** to BS EN 12329 & 12330.

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If your product requires thin gauge materials
and you want more competitive prices
than chemical etching, call Perancea now
and see what we can do for you.

In line with our policy of continuous improvement, we reserve the right to make design or product alterations without prior notice.