

## Profiled Tube Assembly – Laser welding case study

We laser cut holes into a brass rectangular tube which is profiled with an internal channel running along one side. The tube acts as a radio-frequency shield for electronic circuitry which is inserted inside it. Plates are first tack-welded by laser to the tube ends then joints are soldered to secure the ends, and to maintain an rf seal. Lastly, plating with a tin alloy assists in the shielding aspect.

We have the facility to manipulate, weld and cut brass, phosphor bronze, nickel silver and other copper alloy tubes.

