



## GuvTool - Ignition Coil Extractor Designed, Developed, Manufactured by RAD Additive Limited



### Case Study

#### RAD Additive Sign Fixture Design

Working closely with our client, we were able to upgrade an assembly fixture for a mobile sign. It holds u-bolts so that they align with the sign panel holes. The pole is accurately held in place. The edge supports are so shaped to align the sign panel and are adjustable to allow 3 different panels; 2 square and 1 hexagonal, to be secured.



We had an order for an additional fixture.



Bob Urry - CEO



Dom Urry - CTO

## RAD Additive Limited

Email: [info@radadditive.co.uk](mailto:info@radadditive.co.uk) Telephone: 07472 300223

Registered office: 164-170 High Street, Crowthorne, Berkshire, RG45 7AT  
Company registered in UK & Wales: 09737372

<https://www.radadditive.co.uk>

### Our Vision

We seek to enable SME manufacturers, and others, to reach their potential by giving them the opportunity to overcome barriers due to high setup and tooling costs. We do this through understanding their needs. We design affordable tooling, enabled with functional 3D printed parts and with additive manufacture.

### What We Do

**We can materialise your idea with our passion.**

We specialise in design (but not exclusively) for 3D printing and Additive Manufacture

We are experienced in:

- Technical / mechanical engineering design and product development
- 3D printing service (FDM & LCD)
- Reverse engineering
- Customisation
- Reproducing obsolete parts

Please contact us

**10% discount a first order if you provide your contact details during the show**



## Advantages of 3D Printing

- Rapid development
- Minimising stockholding/On demand production/Virtual marketplace
- Specialised tools
- Product customisation
- Cost reduction
  - Materials
  - Time
- Weight reduction compared to injection moulding or machining
- Design flexibility
- Parts that would be practically impossible by other manufacturing processes due to the part complexity
- Reducing part count by merging them together
- New materials are constantly being added
  - Hard
  - Soft
  - Clear
  - Heat resistant or flame retardant

## Drilling Jig for hole alignment along a plastic pole



At **RAD Additive** we offer four main services:

Design, Development, Production and Fulfilment.

Because we like to make things happen, we offer an end-to-end service. From initial designs, through to production-ready plans, then into production and fulfilment.

We also offer Consultation and Product Management

## Typical Example Products

- Prototypes
  - Functional
  - Space model
  - Design visualisation
- Enclosures and housings
  - Electronics
  - Tool boxes/holders
- Jigs
  - Fixtures
- Supporting automation
  - Tools
  - Hand-held
  - Grippers
  - For lifting objects
- Customised items
  - Models
  - Parts
    - Stock
    - Non-stock
    - Reverse engineering