



Bearings



Bearing Repairs



Lasers



Laminations



Oman



Coleherne
Group



Laminations

Coleherne has a proud reputation as the pioneers of a process of producing quality stamped and laser cut electrical steel laminations.



Electrical Steel Laminations are constituent parts of every electric motor and generator. These are produced either by laser cutting or high-speed stamping techniques from electrical steel. These specially coated steels range in thickness from 0.10mm to 1mm, dependant on the application.

We supply OEMs and the repair sectors of the electric motor and generator markets in the UK and across our global customer base.

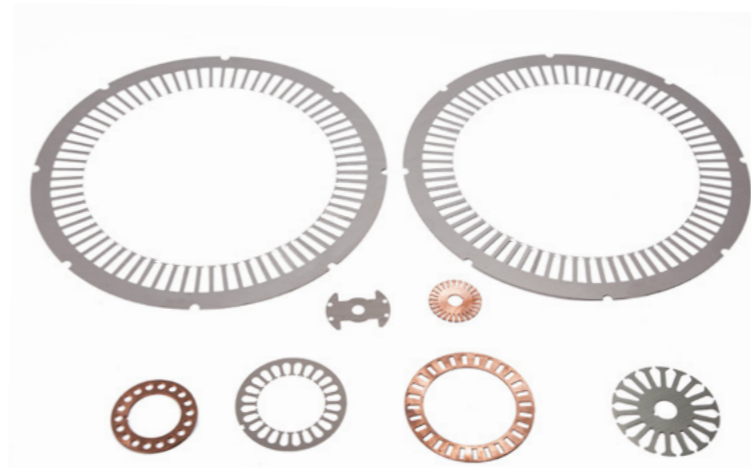
In-house highly skilled engineers can help you through the initial design stage to the delivery of assembled stacks.

Capabilities

Our capabilities include laser cutting, stamping, notching or any combination of these methods

to offer the optimum solution for the manufacture of electrical steel laminations from standard applications to more bespoke projects:

- We offer solutions for pole, field and armature formats
- Our in-house press tool design is available to support the end-user with 3D modelling and CAD-CAM software
- We can supply a single prototype through to full production in low-to-mid volumes
- We offer a wide range of electrical grades to EN10106
- We will ensure that you get the right magnetic properties to suit your application and therefore maximising the performance of your machine
- Thickness: 0.10mm to 1mm



Our electrical steel laminations support a wide variety of engineering sectors and wide range of varying applications:

- Power generation including nuclear and hydro
- Grid stability equipment such as synchronous condensers
- Maritime – merchant and defence including submarines
- Motors for pumps and compressors
- **Precisely Accurate**
Our process allows us to create incredibly thin (from 0.1mm / 0.004") non-oriented electrical steel laminations and the finest detail (down to +/- 0.05mm / 0.002")
- Punched laminations allow for high quality and repeatability - crucial for the assembly of stator and rotor cores.
- Unsurpassed Output Levels with 2 dedicated production sites



TRUMPF - Trulaser 5030





www.coleherne.co.uk/sectors/laminations

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