



Coil Manufacturing Equipment

Rotary is a leading supplier of equipment to the coil manufacturing industry for high voltage motors and generators. Our equipment has been developed in partnership with some of the leading coil producers and meets the requirements of modern workshops. In addition to our standard range of equipment we can also adapt our standard designs or produce entirely bespoke solutions to meet your requirements.

Loop Winding Machine and De-reeler

For winding high voltage loops in sectional copper, this loop winding machine is manufactured to order at our premises in Sheffield. Three standard options are available but bespoke machines can be produced to your exact requirements.

Features:

- High torque machine for loops up to 5.0m • Fully programmable PLC touch screen • Automatic lap count and stop
- Integrated de-reeler available • Premium European origin motor gearbox.

De-reeler made to order to meet your exact requirements with the option of integrated tension and pay-off control with your Rotary Loop winding machine.



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Coil Forming Machine

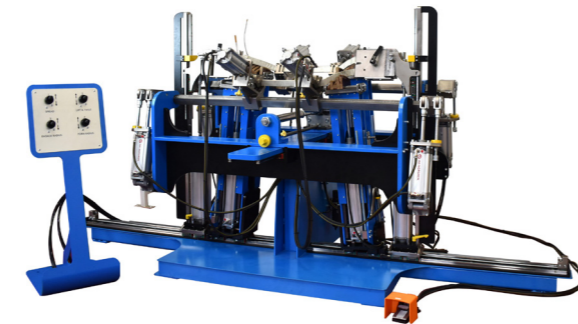
The Rotary Coil Forming machine has been constantly developed over recent years. Working with our customers we have added more functionality, strength and automation to our equipment. Our machines are manufactured to order at our premises in Sheffield and we work closely with customers to ensure we have just the right machine for their operation.

Our range now includes:

- The option of radius forming on all our machines
- The option of automatic sequence control with touch button start and PLC control
- Heavy duty machines for difficult to form coils
- Compact machines for forming small coils
- Large machines for forming loops up to 5.0 meters in length
- Entry level coil spreaders for new workshops

Features:

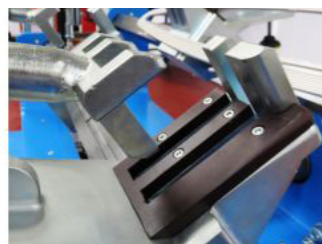
- Used to form diamond coils with consistent geometry • Fully adjustable and simple to operate
- Optional radius forming with retrofit availability on some machines • Powered by pneumatic cylinders
- Proven designs based on decades of experience • Minimal maintenance required



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Heavy duty clamping arrangement for HV coil forming



Coil Pull Out Machine - coil holding arrangement



Radius Forming detail



Large Coil Spreader for loops up to 5.3m

Coil Press

The Rotary Hydraulic Hot Coil Press is an invaluable addition to your high voltage coil manufacturing process. This heavy duty, reliable coil press has served our UK and international customers for many years. Ongoing development of this press includes enhanced PLC control, touch screen interface, data logging and coil kneading. Working closely with our customers we develop each hot coil press to meet their exact specification.

Features:

- For pressing the straight 'slot' section of stator coils for slot length from 250mm up to 11 metre turbo bars
- Integrated hydraulic power pack • PLC control with data output.

Optional Extras:

- Automatic kneading • Automatic water cooling • Recipe storage • Data output
- Dual press control • Range of press heads
- Programmable pressure and temperature in stages:
- Controlled rate of increase in pressure stages / - PLC and touch screen control / - Temperature stages

Heater bars available include:

- Standard • Water Cooled • Heavy duty



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Coil press with auto locking heads

Coil Taping

Rotary offer a complete package of coil manufacturing equipment for turnkey operations.

The BCT range of coil taping machines are well known and respected in the coil manufacturing sector and are a great addition to the Rotary coil manufacturing range. These coil taping machines are made to order in the UK.

Features:

- Range of four taping heads dependent on coil cross section, up to 50mm x 150mm
- Taping speed up to 250 r.p.m for small cross sections. • Variable lap
- Operator guided system with minimum set up time. • Available with coil handling equipment including turnover unit and overhead gantry.



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Coil Gauging Unit

The coil gauging unit is designed to hold a fully formed coil so that all dimensions and geometry can be verified, ensuring consistency whilst reducing investment in the requirement for expensive fixed templates.

The coil gauging unit is fully adjustable for slot length, spread and angle and can be set and locked to your coil dimensions. It is designed to hold a pre-spread coil so that all dimensions can be checked and any minor work such as adjustments to the radii can be made.

Optional Extras

- Pneumatically operated clamps make it easy to secure a coil ready for full inspection.
- A heavy duty option is available to allow final forming whilst the coil is held securely in the unit.
- Optional mounting plates for your own precision gauges. • Linear bearing slides for smooth operation.



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Available on a bespoke basis



Rotary Engineering works in partnership with clients worldwide, manufacturing a range of equipment and offering everything from a one off piece of equipment to an entire workshop.

Our experienced team are happy to provide specialist advice, respond to tenders and support our contacts around the world.

Rotary's origins can be traced back to 1896 when W.E Burnand first made industrial equipment from our workshop here in Sheffield. Today the business has evolved to become Rotary Engineering UK Ltd, proudly established as an innovative specialist UK manufacturer supplying the motor rewind and coil manufactures in addition to the design, manufacture and repair of electromagnets.



Designed and manufactured in the UK



Specialist advice and support available



Option to configure specifications to meet individual requirements



Easy to operate, cost effective equipment



Worldwide service and support