

Coil Presses

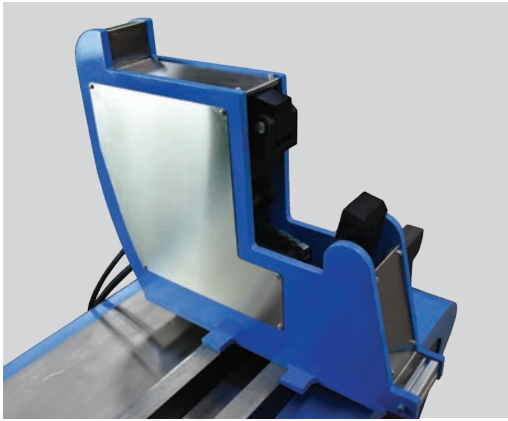


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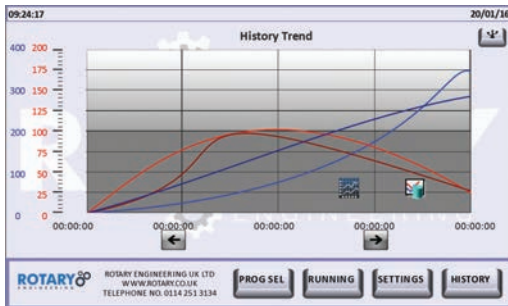
Coil presses are used for pressing the straight section of a coil to consolidate the insulation system. Rotary has been designing and manufacturing coil presses for over 60 years and the range has consistently been updated to include the latest technology whilst giving you full reliability. We can also supply from our range Loop Winding Machines, Taping Machines and Coil Spreaders, allowing you to set up a full production line.

The coil pressing process requires a combination of heat and pressure to consolidate the resin rich tape. The Rotary coil press uses hydraulics to operate the automatic press heads and deliver the force required to press the coil.

Heat is delivered through precision made heater bars which are controlled by the PLC to operate at the programmed temperatures throughout the cycle. At the end of the cycle water cooling can be used if selected to cool the coil prior to removing it from the press.



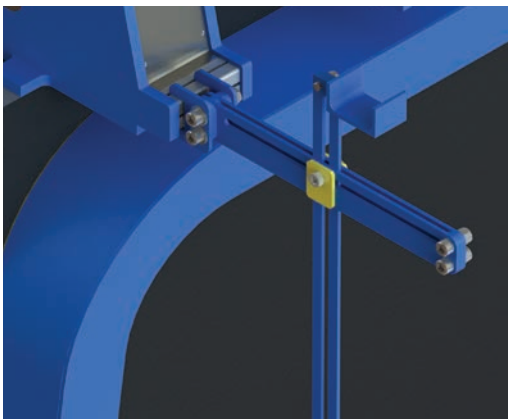
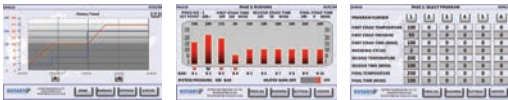
Each head is robustly designed and independently enclosed ensuring the pressing cylinders are fully guarded. These automatic press heads ensure the required force is applied throughout the cycle. They can be opened when the cycle is complete. Care is taken to ensure the hydraulic system remains isolated from the coil.



Touch screen control is mounted on a portable stand that can be positioned in a convenient place for the operator. The touch screen gives a clear view of temperature, hydraulic pressure and elapsed cycle time.

Heat and pressure are controlled via PLC program and 'recipes' can be stored for future use.

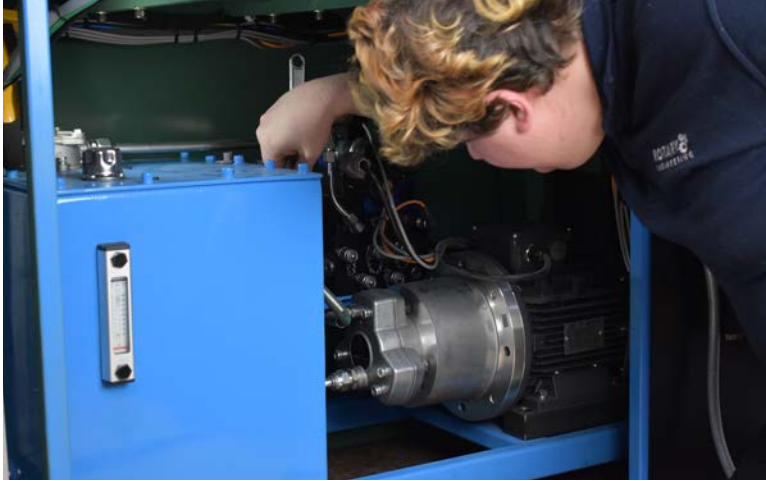
Displays can be tailored to customer requirements and we offer the option of data output via USB which can be useful for quality control records.



A coil support option is available to enable the unsupported section of the coil to be held during the pressing cycle. The support can be easily adjusted to match the height and width of the coil and is fully supported in line with the press heads.



COIL PRESS SPECIFICATIONS							
	P15	P20	P25	P30	P40	P50	P60
Coil Press Length / Maximum Slot Length (mm)	1,500	2,000	2,500	3,000	4,000	5,000	6,000
Minimum Slot Length	250 mm						
Number of Press Heads	4	6	8	10	12	16	20
Coil Supports	2	4	4	6	8	8	8
Pressing Forces - Vertical and Horizontal Pressure can be Individually Controlled.							
Vertical Pressure	6,400kgf (63kN)						
Horizontal Pressure	10,700kgf (105kN)						
System Pressure	200 Bar						
Maximum Coil Section	127mm x 38mm						
Front Heating Circuits	2	3	3	4	5	6	6
Rear Heating Circuits	1	2	2	2	3	4	4
Heater Bars:							
Standard Section	150mm x 50mm						
Curing Temperature	Up to 200° C						
Options:							
<ul style="list-style-type: none"> Automated water cooling at end of cycle, requires water cooled heater bars option. Kneading (on – off – on – off pressure) during initial stages of cycle. Data logging and output via USB. Dual Press on presses 2,000mm or longer – option to operate one press as two individual presses with separate control system. 							



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