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From standard coil winding machines which requires an operator to manually unload the coils from the winding machine, we progress onto shed coil winding machines.

Â shed coil winding machine will automatically wind sets of coils directly into a transfer tool. This transfer tool is then taken by an operator and loaded into the coil inserting tooling. This speeds up the process of coil transfer to the coil insert tooling.

The FG series of horizontal shed coilÂ winding machines are all supplied with a PLC servo controlled operating system giving high performance, great flexibility and superb reliability to every production line.

Flyer speeds of up to 3,000 r.p.m can be reached and changeover times are quick and easy. For a stack height change you only need 5/10 minutes and for a complete lamination change, 20 minutes.

All shed coil winding machines have good wire tension control and can be supplied with automatic wire cutters and wire break / run out devices to stop the machine and reduce the amount of potential scrap copper.

Stator coil sets for frame sizes 56 - 315 can be processed through the FG series coil winding machines.

Excellent preventative measures have been designed into all of the FG series coil windingÂ machines to avoid any major breakdowns therefore minimising production down time.

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The TAV group of fully automatic vertical coil winding and coil inserting transfer systems give the ultimate production outputs.

A TAV vertical stator coil windingÂ and coil inserting system will be tailor made to suit your own production needs and will incorporate multiple coil winding and coil inserting stations to meet the outputs levels required.

Each system is PLC servo motorÂ controlled for high accuracy and repeatability for all machine and tooling movements including automatic slot wedge making.

Stators with the following parameters can be processedÂ :

Stator inside diameter : min 40mm / max 200mm

Stator stack height : min 20mm / max 350mm

Stator slots : 8 - 72

Flyer speed : 3,000 r.p.m