One of the latest developments at Erasan Zinzo is the range of foil winding equipment, with high-tech control features, improving quality of winding and reducing maintenance to a minimum.

Primarily used for winding of Cast Resin / Air Cooled transformers, the machines shown below are some of those already delivered, along with concept drawings showing a basic machine layout.

There are various configurations possible, with coil widths up to 2.3M with a winding area of 1.8M. This allows winding of a wide range of transformer sizes and number of strips as required.

We aim to be much more than a machinery supplier. Our team has a vast range of winding experience and is able to offer help and advice on all aspects of coil winding, from tooling design to machine choice and set-up.

~ Coil winding solutions you can rely on ~
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Please contact your local partner for more information

TECHNICAL CHARACTERISTICS.
Various configurations of machine available depending on your application requirements.
For example:- 1 foil, 1 insulator // 1 foil, 2 insulators.

- Max foil width ................................................................. 25 up to 150 mm
- Max foil Thinness.......................................................... 0.1 up to 1.5mm-Al (1.2mm-Cu)
- Extent of traverse.......................................................... up to 6,000 mm
- Max Distance between points....................................... up to 2,300 mm
- Max coil width ............................................................... up to 1,800 mm
- Max coil Diameter ......................................................... up to 1,300 mm
- Max coil weight ............................................................. up to 2,000 Kg
- Guider precision ........................................................... Built in sensor detecting the foil / paper edge creates independent continuous feedback loop to ensure precise turn on turn foil layering.
- Type of programming .................................................... CNC- industrial PC

By using very large powerful “Parker motor” with integrated gear box drive systems, a strong robust machine construction is achieved

Each mandrels foil or insulation has independent traversing system, with feedback from edge sensor, providing perfectly aligned coils

Various stages / process of automation can be added to the function of the machine according to your requirements.
Shown here is a cold pressure welding station, used for fixing the terminal leads “in-line” during the winding.