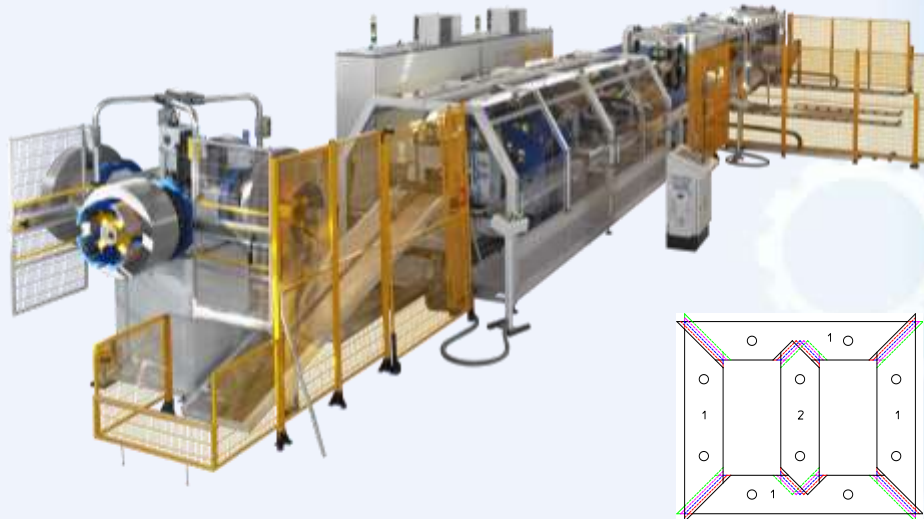




STEP LAP CORE CUTTING LINE FOR DISTRIBUTION TRANSFORMERS



TARGET

The core cutting line model TE 65 is designed and built for the production of grain-oriented laminations suitable for the assembly of electric transformer cores with Step Lap system.

Consistently with the transformer design, this machine is particularly suitable for the production of cores for transformer power ratings ranging from 160 to 16000 KVA.

MAIN FEATURES

The cutting line is made up of machines whose co-ordination is managed by control software.

High performance and reliability of the line ensures an high output productivity. The line automates the functions necessary for the processing of the laminations, namely:

- Unwinding from the coil;
- Admeasurement of the shapes;
- Conveying and cutting of the sheet;
- Stacking of the finished products.

In the stacking function, various degrees of accuracy can be reached depending on the selected model of the machine stacker. The basic configuration provides for the decoiler, the cutting machine and a stacker, which are to be selected between different types.

The machine software developed includes Internet connection with LAE offices for quick diagnostic & troubleshooting.

The various available Step Lap cutting & stacking sequences along with the length accuracy achieved, allows reduction of core losses (no load losses) and savings of material.





MACHINE COMPOSITION

MAIN MACHINE :

- (a) Double mandrel decoiler
- (b) Entry lamination slide
- (c) Electronic lamination feeder
- (d) Electric powered cutting heads
- (e) Punching unit
- (f) V-notch cutting unit
- (g) Cutting shears 45°+ & 45°-
- (h) Transport unit
- (i) Manual stacking unit ICC
- (j) Centering guides
- (k) Controls by computer & touchscreen
- (l) Internet tele-assistance
- (m) Safety systems

ACCESSORIES :

- (1) Four mandrel decoiler
- (2) Tip cutter heads
- (3) Automatic stacking units
- (4) Additional punching unit
- (5) Transverse punch movement
- (6) Optional software

TECHNICAL DATA

GENERAL

Weight of basic machine	approx.	13000 Kg
Feeding speed	min/max	0 / 270 m1'

MATERIAL CHARACTERISTICS

Lamination thickness	min/max	0.18 / 0.35 mm
Width	min/max	50 / 650 mm
Cut length (on the center)	min/max	350 / 3500 mm
Length accuracy	standard deviation	0.1 mm
Coil weight	max	3250 Kg
Coil outer diameter	max	1000 mm

