

All Lukiot machines are CE certified and comply with relevant European safety requirements including emergency stops and interlocked guarding.



## Tape Layering LUK-MAE10

Magnetic strips will be applied onto overlay films. The transfer is processed using reel-to-sheet. The magnetic stripes are stamped onto the overlay material, using their full width.



LUK-MAE10 Tape Layering



MATERIAL



TAPE LAYERING



PRODUCT

### FEATURES

- Tape application upto 10-12 meters/min
- Individual radial temperature and pressure control for each tape application head
- Simple adjustment to alter tape pitch and to accommodate tape widths
- Operation speed can be adjusted according to the needs of overlay films
- User friendly touch screen control for easy operation
- Servomotor feeding systems performs a laying accuracy  $\pm 0.15\text{mm}$
- Wide range of overlay thickness and number of stripe applications for maximum flexibility
- Air chuck tension system for easy loading and Unloading Overlay reels
- CE completed safety guards

### TECHNICAL DATA

Model	LUK-MAE10
Overlay Thickness	0.04-0.2mm
Max Width of Foil	580mm
Layout	3×7/3×8/3×10/4×7/4×8/4×10 for optional
Magnetic strip Width	12.7mm, 6.35mm
Max. Reel Diameter	380mm
Heating Temperature	<400°C
Temperature Control	$\pm 2.0^\circ\text{C}$
Welding Accuracy	$\pm 0.15\text{mm}$
Productivity	6-12 meters/ minute
Power	AC380V 50/60Hz ,7000W
Weight	800kg
Dimensions	L2200×W1050×H1800mm

### KEY FEATURES



Reel Input



Foil Alignment



Tape Application



Thermal Processing



Sheet Output  
(Optional Reel Output)

### NOTES

MAE10 available with 7, 8 or 10 channel, reel to reel function or reel to sheet function

Actual output rates will be dependent upon product used, settings and configurations.

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### INTRODUCTION

**MAE10** is automatic tape layering machine and it is designed to stably weld the magnetic strips onto overlay films from reel-to-sheet.

In the tape layering process, upto 10 magnetic stripes are transferred onto overlay foils. Using 10 tracks, this machine can reach upto 10-12 meter per minute from reel-to-sheet. This is based on an overlay thickness range of 40 to 200 microns and with a width of 580mm.

The magnetic stripes are pressed, using their full width, onto the overlay material. It is designed to accommodate different stripe widths and spacing. Intuitive operational handling and easy maintenance also maximize the efficiency.