

**Lhermite®**  
PUNCHING

# EMT 650HP

**AUTOMATIC STAMP PERFORATING MACHINE**



Lhermite® has a long tradition of making stamp perforating machines which dates back to the beginning of the 20th century.

**The Lhermite® EMT 650 HP is a fully automatic stamp perforating machine that provides unmatched flexibility, high precision punching and ease of operation whilst its output is amongst the highest in its category. The EMT 650 HP is the logical solution for those having high volume production.**



**JAMES BURN INTERNATIONAL SAS**

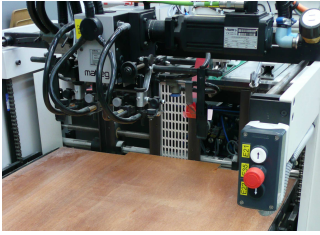
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**WIRE-O LHERMITE UNICOIL**

**DOCUMENT FINISHING SOLUTIONS**

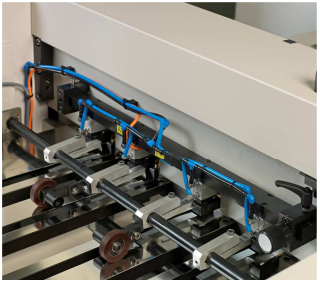
**FEATURES AND BENEFITS**



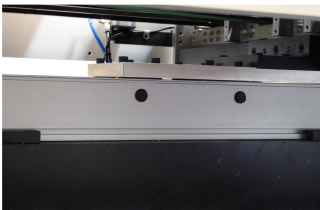
Mabeg feeder



Perforating block



Sheet positioning module



Encapsulated ball screw



- The Lhermite® EMT 650 HP is a modular stamp perforating machine made of the following elements:
  - an **automatic sheet feeder** taking the sheets one by one through a MABEG sucker head. The feeder prepares the bite of sheets to be punched (up to 6 sheets) whilst the previous bite is being punched to increase productivity and minimise machine waiting time. It can take up to 900mm high pile of sheets. It allows our largest customers to run three EMT 650 machines with only one operator.
  - a **high speed perforating block** equipped with stamp perforating tools which can be changed as required. Punching tool insertion is easy and change over operation can be carried out in less than 5 minutes which eases maintenance operations and helps reducing machine downtime. Die plates and pins are designed to allow multi-sharpening for a longer life time without compromise on punching accuracy or quality.
  - a **sheet positioning module** mounted on a moving carriage using a high precision ball screw with a high speed reinforced guiding system completely encapsulated and therefore fully protected from the paper dust. It is controlled by a programmable 3 axes PLC which moves the sheets and position them into the punching tool according to the stamp format.
  - a **command console** located next to the machine and fully insulated from any punching vibration to control all the functions. Conversational type programme allows a non specialist operator to carry all the standard format settings and to run the machine.
  - a **straight pile reception unit** that can take up to 820mm of punched sheets properly jogged.
  - an **optional sheet separator device** can also be added to separate the punched sheets before they are stacked on the reception so as to ease their manipulations for faster final inspection.
- The EMT 650 HP operates with brushless motors controlled by inverters which monitor the speed of the main axle with no mechanical stop contrarily to systems activated by a clutch. Our solution considerably reduces the wear and tear of the mechanical parts and provides a more consistent punching accuracy as result of the absence of play in the transmission of the movements. It also eliminates the need to replace regularly the clutch which minimises maintenance cost.

**MAIN TECHNICAL CHARACTERISTICS**

Characteristics	Values
Maximum mechanical cycle speed	280 strokes / minute with JBI type punching tools
Paper type	Gummed paper
Max sheet sizes	650 (width) x 740 mm (length)
Min sheet sizes	320 (width) x 250 mm (length)
Sheet grammage	100gsm to 130gsm
Paper thickness	110 to 200µm
Punching capacity	1 to 5 sheet (130gsm max)
Max punching width	640 mm
Min margin (mm)	20mm
Maximum stamp height per stroke	85 mm
Number of grippers	4
Pin diameter	0.9 mm
Other pin shapes	Elliptical, stars, oval, square,...
Punching precision	0.001 mm
Multi axle PLC	Mitsubishi
Memory capacity	99 programmes
Max jump number	9
Cycle counter	Resettable partial and non resettable general
Feeder capacity	up to 900mm
Reception capacity	up to 820mm
Punching tool change over time	5 minutes
Power supply	230/400V 3ph-50/60Hz (with mandatory PE earth)
Power consumption	15 Kw/h
Air supply	780 NI/mn (dry & non lubricated air)
Noise level	82 dBA (measured 1m away from machine)
Machine dimensions	4.30 x 1.24 x 1.40m
Console dimensions	1.20 x 1.15 x 1.35m
Machine total weight incl. console	2,180 kg
Origine	France



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