

PUNCHING UNIT MODEL PU 10



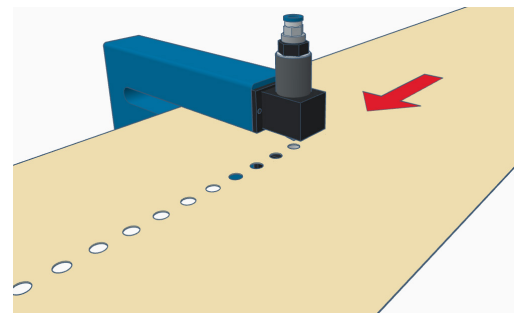
This **HOLE PNEUMATIC PUNCHING MACHINE** is a device that occupies little space and is designed to punch holes in the outer edge of the **moving film** and in particular, it works with **plain or printed film**. This PU model has to be integrated into **existing machinery** such as extruders, slitters, bag machines, printing machines or any other film processing lines. It is suitable to make holes in fruits and vegetables bags, garbage bags, paper bags, foam, etc.

HOLES OF

Ø 0,5mm → Ø 16mm

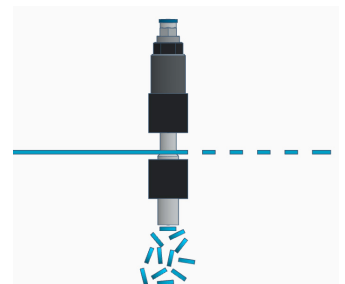
How it works

The edge of the moving film passes through the slit of the body and is punched by a punching unit, through a **PUNCH** and **DIE** system, using **PNEUMATIC MOVEMENT**.



DATA SHEET

Slit width to allow the film to pass through	100mm - 200mm
Speed	200 mt minute*
Punching frequency	35 holes per second**
Ø hole	Ø min. 0,5mm* / Ø Max. 16mm
Hole shape	Circular, valve, shaped
Max. Number of punching units per device	1
Position of the punching unit	At the front of the device
Air pressure	Min. 6 bar
Voltage	400 V+N+T - 50Hz
Compressed air inlet pipe	Min. 12 externally calibrated pipe
*	The value depends on the type of material
**	The value depends on the model



Vacuum system connected to the lower part of the punching units

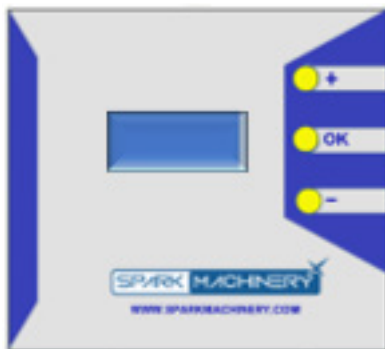
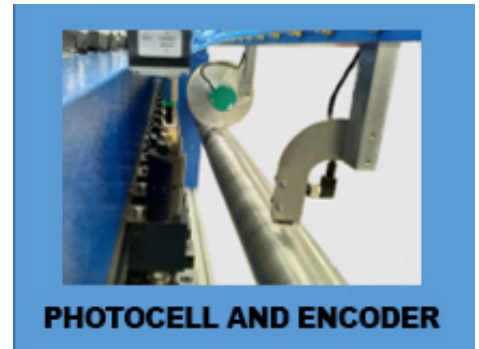


Dies and punches for circular holes and valve holes

OPTIONALS

It is possible to equip the **PU10** with these options:

- **PHOTOCELL**
- **ENCODER**
- **FILTER REGULATOR**
- **SOUNDPROOFING**
- **CARTER**
- **VACUUM SYSTEM**
- **ELECTRONICS**
- **SUPPORT ROD**



EDM ELECTRONICS

For **LINEAR** or **ALTERNATING HOLES** or holes with a **CUSTOM PATTERN**; to work with a **PHOTOCELL** and an **ENCODER** to process **PRINTED FILM** with a print mark on it.

WHEN ASSOCIATED WITH THE EDM ELECTRONICS

PLC

For **EDMB** and **EDMB8** versions: box with buttons

A 24VDC transformer

Incremental encoder input 24VDC

2 Quick inputs for shot commands or enable / disable signals

For the **EDM** and **EDMB** versions: 4 protected digital outputs

For the **EDMB8** model: 8 protected digital outputs

Connection via bluetooth for card diagnostics

Optional: encoder, photocell or encoder+photocell

SOFTWARE FUNCTIONS

Shot from a signal with linear pattern

Shot from a signal with alternating pattern (zig-zag)

Linear encoder

Alternating encoder (zig-zag)

Simultaneous linear shot at notch level with a photocell

Simultaneous alternating shot (zig-zag) at notch level With a photocell

Power adjustment

Quick commands

MATERIALS PROCESSED BY THE PU10

PP - PET - PVC - LDPE - HDPE - BOPP CPP - LAMINATED - LEATHER - ECO LEATHER - SYNTHETIC LEATHER - COMPOSTABLE - BIODEGRADABLE - NO-WOVEN - TYVEK - FOAM - RAFFIA - PAPER



SPARK MACHINERY

Spark Machinery s.r.l. - VAT N° 01392850457

Production site
Via Toscana n°114
56035 Perignano (PI)

info@sparkmachinery.com
+39 0587812952
www.sparkmachinery.com