

Punching units



Making round or shaped holes on a moving web is very important for the efficiency of production time. Maklaus has improved its technology in both **macro-perforation**, **micro-perforation** and **laser perforation**, leading to hole cuts of great quality and precision on **high speed moving webs**, such as plastic film and paper.

The punching unit can be **integrated with automated production lines**, including slitters, extruders, bag making machines and laminators. The great advantage of Maklaus punching machines is the flexibility to customize the whole machine, choosing each feature according to production needs.

Maklaus punching units allow punching on moving webs for **round holes** with a diameter **from 0,1 mm up to 100 mm**, and also **special holes** like handles for bags, euroslot holes and **pre-cuts** customized shapes and sizes, up to a thickness of 800 microns.

Each punching unit is made up of:

Supporting structure: basic equipment on which the single punches are placed. Each structure is made to fit the working width and material to be processed;

Punches: defined according to the kind and thickness of the material. These also define the shape and size of the hole.

Electronic control: from a very simple control box to a more comprehensive control system incorporating touch-screen.

MPU

Products

Round holes
Handles for bags
Euroslot holes
Custom holes
Pre-cut

Cold microperforation
Hot microperforation
Laser & 3D Scanner Laser



Technical features

Material thickness: **upto 800 micron**

Max. punching speed: **250m/min**

Frequency : **60 Hz**

Max. material width: **custom**

Min. material width: **custom**

Max. diameter mother roll: **custom**

Encoder & Photocell: **option**

Touch screen Control panel: **option**

Acoustic enclosure: **option**

MPU MAKLAUS PUNCHING UNIT

Our units allow punching on moving web, such as plastic film and paper, with holes from 0,01 mm to 100 mm upto 800 microns thickness and max. speed of 250 m/min

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