



THERMOFLAN



matériels et produits

Tampographie

Superior technology suitable for small series:

Manual pad printing in 1 and 2 colors



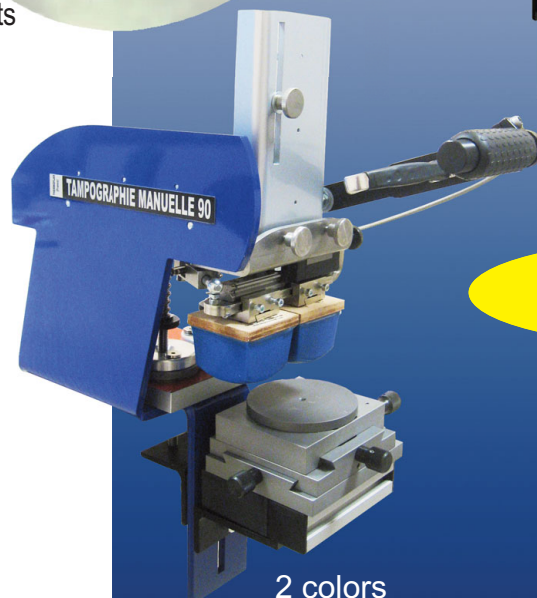
Pad printing consists in transferring the ink contained in the hollow of a cliché, by means of a silicone transfer pad, onto objects of different shapes: convex, concave or irregular.

If you want :

- Print on a small number of items (promotional gifts, for example),
- Start pad printing without big investment,
- Have the ability to print a small series of objects without disturbing the prints in progress, we recommend manual pad printing 90.

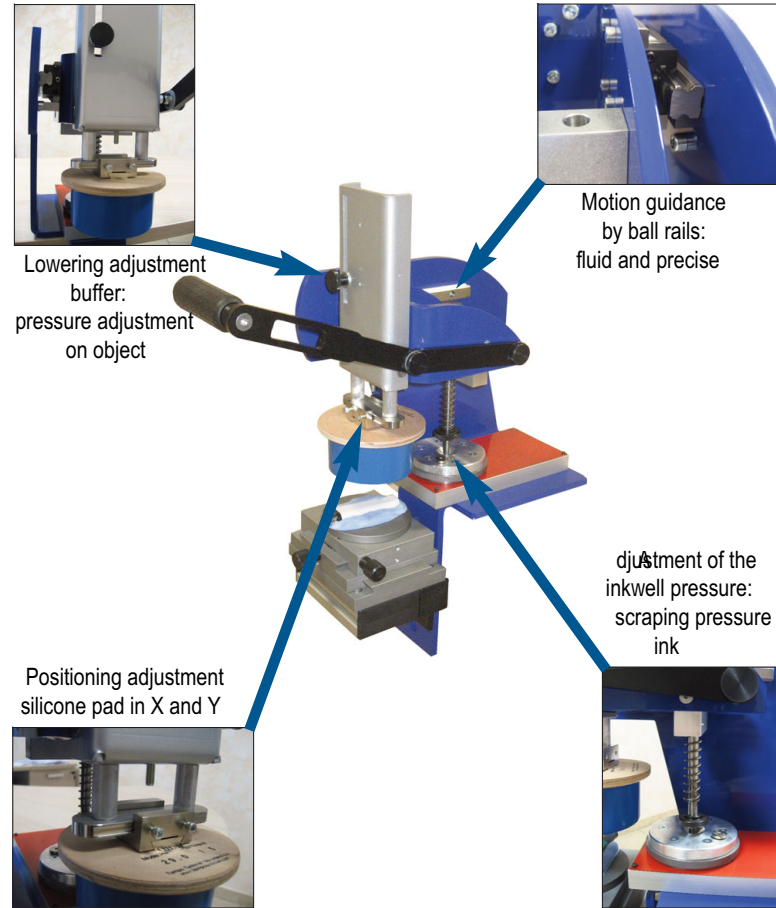
Applications :

Promotional Items,
Electrical Parts,
Pharmaceuticals...



NOVELTY

Manual pad printing 1 color 90 mm - Scalable in 2 colors



Superior technology machine, with closed inkwell*:

- Easy to use, with one hand
- Semi-automatic printing
- All movements are limited by stops and are guided by ball bearing rails from the precision mechanical industry.
- Easy adjustment of the position of the silicone pad in XY
- Adjustable bracket to secure items.
- Quick implementation
- Easy cleaning.

Each machine is delivered complete: sealed inkwell, silicone pad, XY-adjustable buffer holder, sliding support table, DVD and manual of use.

* The closed inkwell system has many advantages: Better process control, especially for large series, the ink air, adding thinner is not necessary as often / usually the ink consumption is lower / the change of plate and color their is faster / cleaning is easier / the surface printing is limited by the diameter of the inkwell.

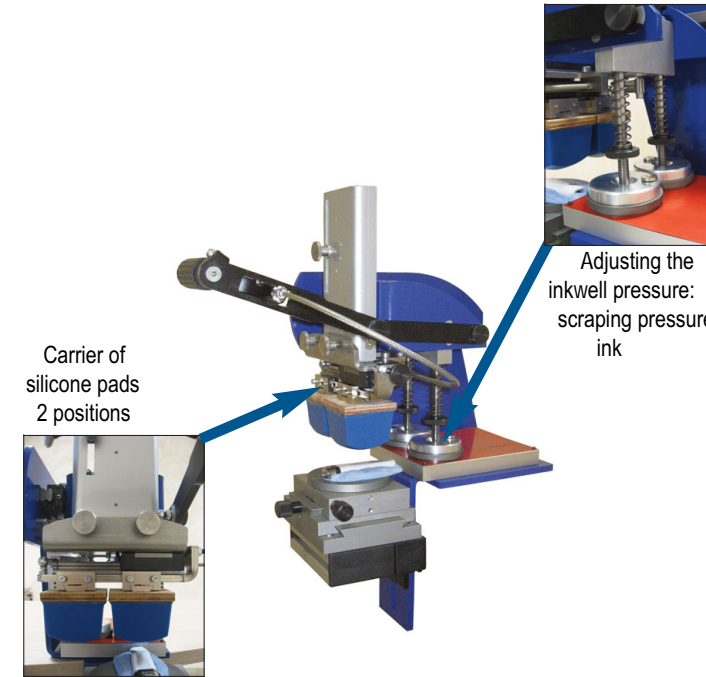
CHARACTERISTICS :

Plate format: 100 x 200 mm
 Diameter of the inkwell: 90 mm
 Maximum print diameter: 80 mm
 Color: 1
 Output: 600 cycles / hour
 Size: length 480mm
 width 180mm
 height 580mm
 Weight: 16kg

Principle of operation

- The new object (in yellow) has been positioned on the table. The operator pushes the arm backwards, the inkwell sealed cleans the cliché.
- Only the required amount of ink remains in the hollow of the cliché. The silicone pad is pressed onto the cliché and recovers the ink contained in it.
- The operator raises the arm. The pattern is transferred to the silicone pad so print it on the object.
- The operator pulls the arm. The plate is again covered by the inkwell sealed for refilling ink.
- The operator lowers the arm. the pattern is pressed onto the cylindrical object.
- The operator raises the arm. He can replace the marked object with a new object ready to be printed.

Manual pad printing 2 colors 65 mm



CHARACTERISTICS :

Photo format: 140 x 175 mm
 Diameter of the inkwells: 65 mm
 Maximum print diameter: 55 mm
 Colors: 2
 Performance: 400 cycles / hour
 Size: length 480mm
 width 180mm
 height 580mm
 Weight: 17kg

SWITCHING KIT FROM 1 COLOR TO 2 COLORS:

Transform your manual 1 color machine into 2 colors in a few minutes.

- The kit includes:
- one buffer carrier two positions.
 - a base plate 140 x 175 mm for the 2-color shot.
 - two sealed inkwells diameter 65 mm steel ring
 - two pad holders adjustable in X and Y.
 - two ink fountain guides with adjustment of scraping pressure.



Principle of operation

- The new object (in yellow) has been positioned on the table. The operator pushes the arm backwards, the sealed inkwells clean the plate.
- Only the required amount of ink remains in the hollow of the cliché. Silicone pads are pressed onto the cliché and recover the ink contained in it.
- The operator raises the arm. The design is transferred to the silicone stamps in order to print it on the object.
- The operator pulls the arm. The plate is again covered by the inkwell sealed for refilling ink.
- The operator lowers the arm. the first silicone pad (first color) is pressed onto the cylindrical object.
- The operator raises the arm and presses the handle. The second silicone pad (second color) is positioned above the cylindrical object
- L'opérateur abaisse le bras. The second color is transferred to the cylindrical object
- The operator raises the arm. He can replace the marked object with a new object ready to be printed.

ACCESSORIES AND CONSUMABLES



- ① - **UV Mark Chassis:**
 ultraviolet exposure unit usable format 254 x 305 mm
 - 4 x 15W UV tubes
 - mechanical timer for exposure time control
 - veneer foam to hold the film on the plate



- ② - **A4 laser film**
 - Contrast intensifier
 - Washing brush
 - Frame screen of 150-250-300
 - Alcohol and water photopolymer plates
 - Laser-engravable clichés
 - Single and double-sided steel plates



- ③ - Large choice of ink colors
 - Hardener, for printing on difficult-to-grip substrates: glass, metal, etc.
 - Cleaner for clichés
 - Thinners
 - Object cleaner

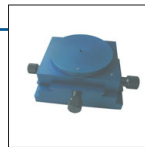


- ④ - Silicone pads (ask for our catalog)

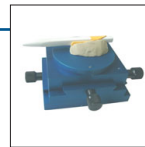
OPTIONS

XY TABLE WITH ROTARY AXIS

- Adjustment of the positioning of the object on two axes X and Y
- Adjustment in rotation of the object by a wheel
- Quick installation
- Easy assembly on the base of the machine
- Possibility of extension by adding reusable wedging paste or the two-component paste for final molding.



XY table with rotary axis



XY table with rotary axis + wedging paste 1 component



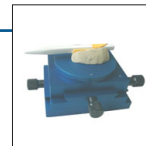
XY table with rotary axis + wedging paste 2 components

REUSABLE SETTING PASTE

- Easy to use
- Heat the paste with a hair dryer,
- Mold the object by pressing it into the paste.
- Let cool.
- Fix the dough on the XY or XY table with rotation.
- The paste is reusable by repeating the previous operations.



1-component wedging paste



XY table with rotary axis + wedging paste 1 component

2-COMPONENT SETTING PASTE

- Easy to use
- Mix the two components homogeneously,
- Mold the object by pressing it into the dough.
- Leave to harden.
- Fix the dough on the XY or XY table with rotation.
- The paste is not reusable.



2-component wedging paste



XY table with rotary axis + wedging paste 2 components