

 **Teca-Print**



*TPX 100*

Édition Cadrans

**Pad Printing Technology**  
for the Watch Industry



### **Industry demands:**

The watch industry stands for high quality products. Nowhere in other industries are the demands for print quality higher than in the watch industry. Specifically, the wristwatch is for many people a personal effect of prestige because it is visible to others. For this reason pad printing solutions must also satisfy these same demands for high quality.

### **Industry Challenge:**

Watch face printing presents a unique challenge for pad printing. The smallest of print images must be printed with extreme precision, often even

with special effects. This is why the watch industry requires the highest quality equipment for both machines and accessories.

### **Industry Solution:**

Developed by Teca-Print expressly for the needs of the watch industry, the TPX 100 Édition Cadrans Pad Printing Machine is the result of many years of experience and cooperation with customers within the watch industry. Finally, there is a pad printing machine that will satisfy the requirements for high quality print images on to watch faces.

## Details:

Only the best quality of components are used in the TPX 100 Édition Cadrans.

A precision guide system provides for extremely high print accuracy and repeatability, so that even the smallest print images on watch faces will impress.

Fine adjustments in the x- and y- axes are included which make very precise, pad positional adjustments possible. The adjustment in the x-axis is done with two knurled screws, while the y-axis adjustments are carried out with a vernier. The pad position for both the ink pick-up and deposit can be centered exactly in the middle

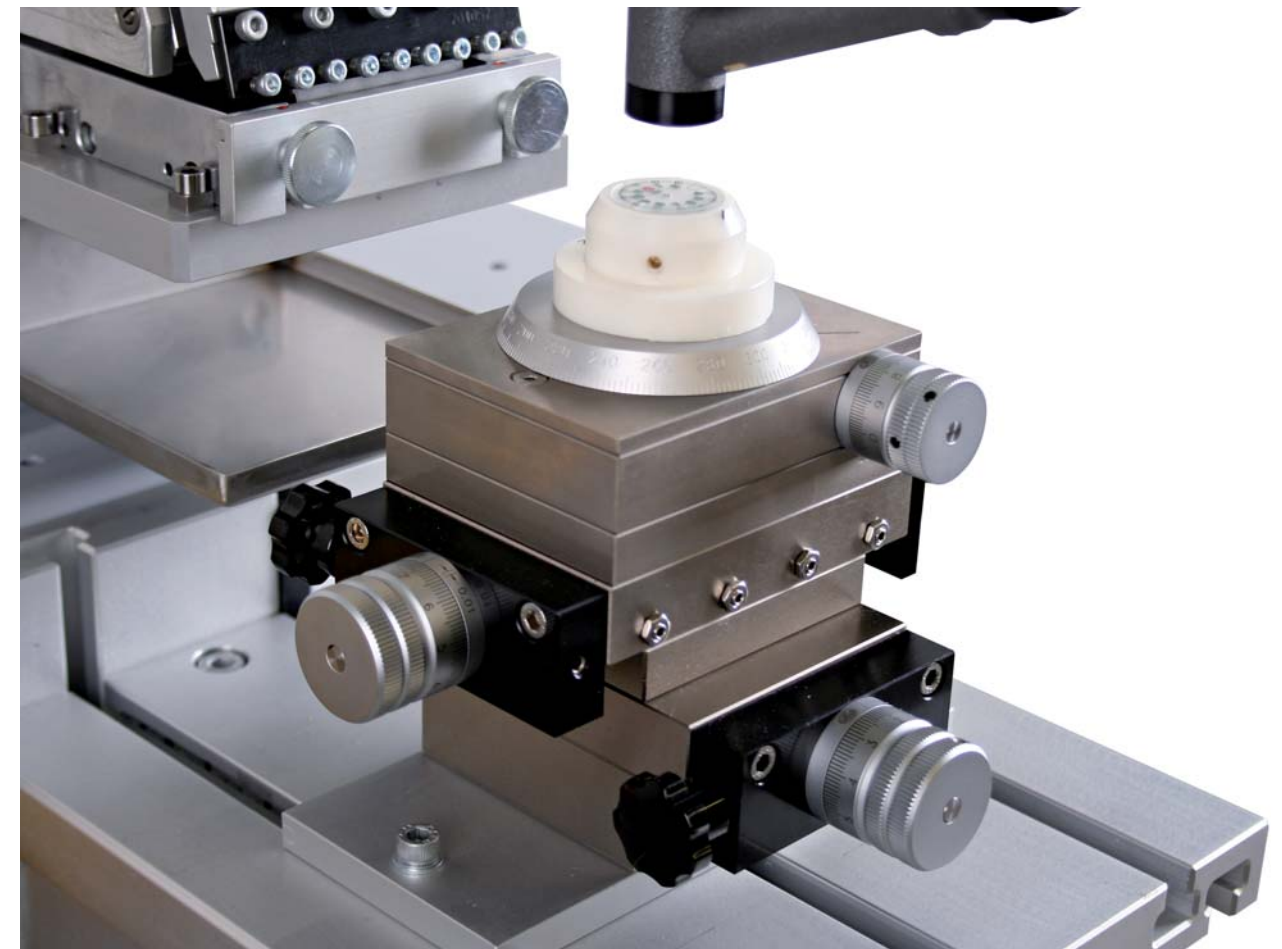
of the print image with the help of a centering microscope.

In addition to its 25-fold magnification, the microscope lens system includes continuous cross hairs as well as 18 circles so that the exact pad point position on the cliché and watch face can be identified.

The centering microscope is available in the setup (i.e. hand) mode.

An LED light offers additional comfort during the setup.

An extremely precise coordinate table makes it possible to take advantage of the machine's exceptional print accuracy.



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The TPX 100 Édition Cadrans is also available with the closed ink cup inking system under the model name TPX 102 Cadrans Edition.

A free-from-play fine adjustment system utilizing a vernier is included for the x- and y-axes.

The coordinate table can also be equipped with an optional turning z-axis adjustment mechanism.

A blowing device for removing dust prior to printing as well as the software, which includes the most commonly used options in the watch industry today, round out the features available with this high value TPX 100 Édition Cadrans Pad Printing Machine.

The TPX 100 is exceptionally well-suited for many other demanding applications and fields as well.

## Technical Information:

Machine:

- ▶ TPX 100

Printing:

- ▶ 1-color

Drive:

- ▶ electro-pneumatic

Control System:

- ▶ PLC with a touch screen

Technical Equipment:

- ▶ Fine adjustment system for the x- and y- pad axes
- ▶ Centering microscope for the positioning of the print pads
- ▶ Extremely accurate coordinate table
- ▶ Integrated, “industry based” software options
- ▶ LED lighting