

Pad printing technology  
for the watch industry



# ÉDITION CADRANS

with TPX 100 pad printing machine

 **Teca-Print**  
Pad Printing Equipment & Supplies  swiss made

The watch industry stands for high quality products. No other industry is more demanding regarding printing. Especially wristwatches must be flawless, as they are personal prestige objects that are also visible to others. These demands for perfection must also be satisfied by high quality pad printing solutions.

Watch face printing presents a unique challenge for pad printing. The tiniest print images must be transferred with extreme precision, often even with special effects. This is why the watch industry requires the highest quality equipment when it comes to machines and accessories.

Developed by Teca-Print expressly to meet the needs of the watch industry, the TPX 100 Édition Cadrons 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 watch faces.

The Édition Cadrons is also available with a sealed inking system and is then named TPX 102 Édition Cadrons.

Only components of the highest quality are used in the TPX 100 Édition Cadrons. 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 to make very precise pad positional adjustments possible. The x-axis adjustment is done with two knurled screws, whereas 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.

A backlash-free 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 w-axis adjustment mechanism.

A blowing device to remove the dust prior to printing and software with the most commonly used options in today's watch industry, round off the features of this high value TPX 100 Édition Cadrons Pad Printing Machine. The TPX 100 is exceptionally well-suited for many other demanding applications and fields as well.

#### TECHNICAL INFORMATION

MACHINE  
TPX 100

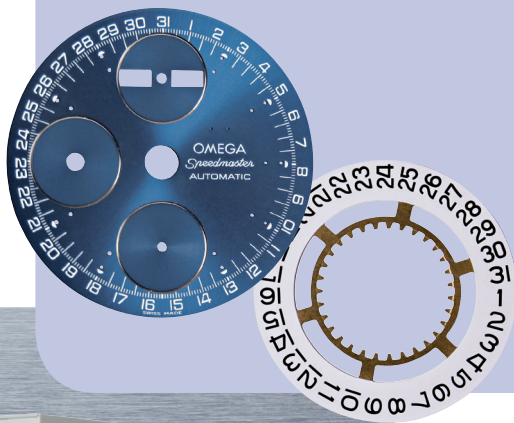
COLOURS  
1 colour

DRIVE  
electropneumatical

CONTROL UNIT  
PLC  
with touchscreen

#### 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



We reserve the right to make technical changes without prior notice.  
706 000 458 B / 04.16

**Teca-Print**

Teca-Print AG  
Postfach  
Bohlstrasse 17  
CH-8240 Thayngen

Tel. +41 52 645 2000  
Fax +41 52 645 2102  
info@teca-print.com  
teca-print.com