

# TCA 44-720 Combination

## Slide Stainer and Coverslipper

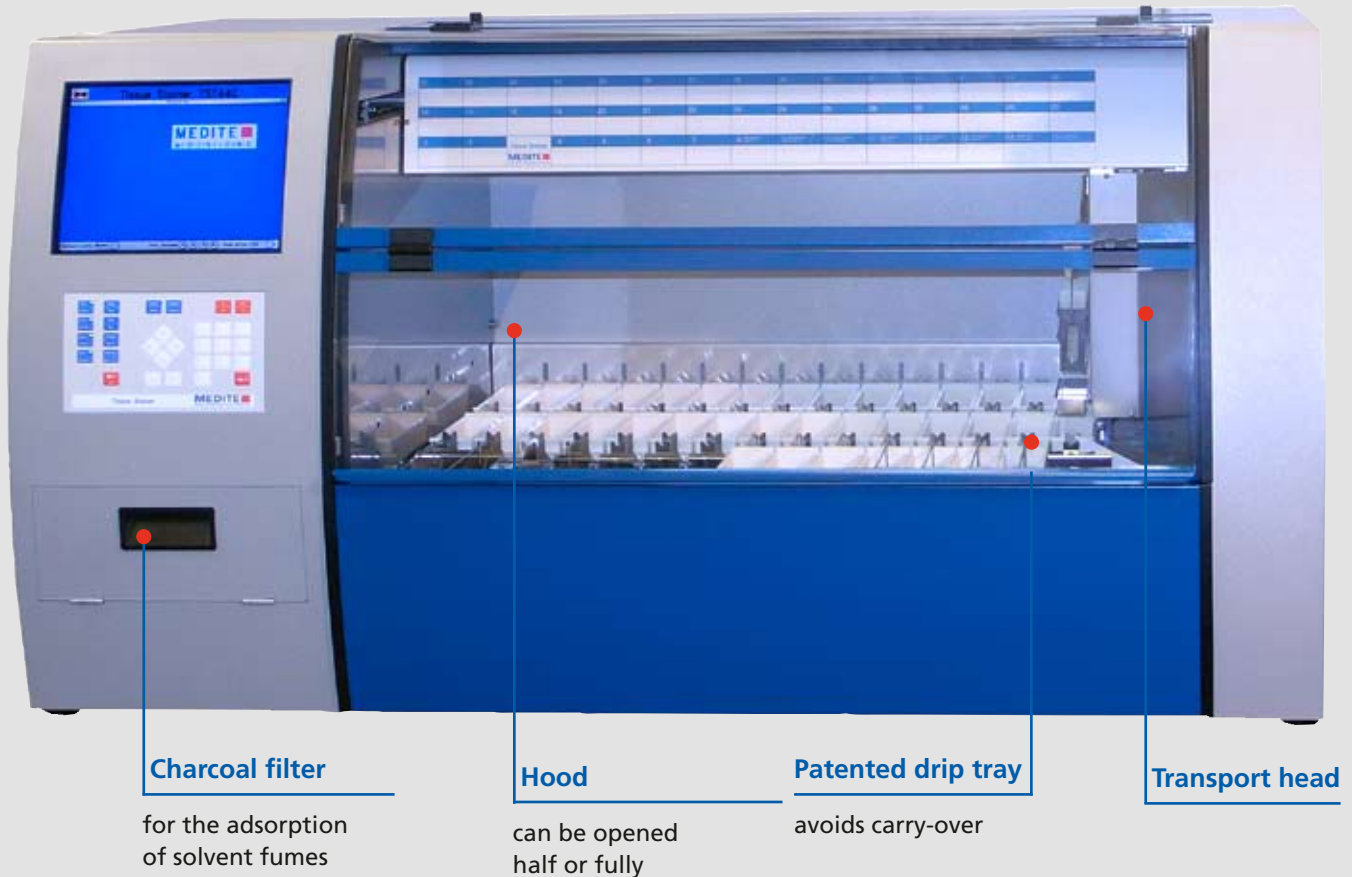


- *Full walk-away lab automation from staining to the finished slides*
- *The worldwide fastest glass coverslipper currently in the market with a throughput of up to 600 slides an hour*
- *Maximum flexibility with up to 12 parallel running staining programs*
- *Trendsetting and long-known experienced technology by combination of the TST 44 C with the new ACS 720 automated glass coverslipper*

# TCA 44-720 Combination

## Programmable Slide Stainer TST 44 C

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## Superior quality and reliability makes this system unique in the world!

With the **Medite TCA 44-720** combination unit, full walk-away lab automation from staining to the finished slides is now coming into your reach by merging the combination-ready **TST 44 C** continuous slide stainer with the new **ACS 720** automated glass coverslipper.

Flexibility and high throughput as well as excellent quality and safety are the key features of this sophisticated **Medite** product. Building on the merits of

the valued TST family of stainers, the combination is augmented by directly attaching our **ACS 720** unit, bringing an impressive 600 slides per hour coverslipping capability.

Using a modular design, the **TCA 44-720** makes it easy to take the step from manual transfer to automation. The manual feeding of slide baskets into the glass coverslipper is not required any more, thus you are able to increase capacity in your lab routine work.

## Great variety of models

The continuous programmable slide stainer **TST 44 C** merges flexibility with high speeds for optimal efficiency in routine stains and is available in the following models:

**TST 44.000 C** with transfer station

**TST 44.200 C** with drying chamber and transfer station

**TST 44 slide stainer** registered patent nos.:

DE 196 05 977, DE 41 17 833, EP 0586 494, EP 0886 780, US 5,601,650, US 09/101,663, AU 667404, AU 707769, JP 3 415 604, JP 9-528887

**TST 44.000 CK** with modification kit for transfer station

**TST 44.200 CK** with drying chamber and modification kit for transfer station

## Glass Coverslipper ACS 720



Storage of finished slides

Operation panel

easy to see, use, and check operational status



Dispenser

Samples are safely and consistently covered, assuring permanent quality of the slides. The dispenser automatically returns to a xylene reservoir after every completed coverslipping process. This prevents a drying of the dispenser needle.



The tuning plate allows a high throughput, reducing time and effort. Three procedures are processed in parallel as follows:

1. Taking slides from the basket
2. Applying the mounting medium
3. Attaching the coverglass

## High-speed staining and coverslipping

The **ACS 720** is the fastest glass coverslipping solution currently on the market with an estimated throughput of up to 600 slides per hour. The coverslipper operates reliable and fast at a continuous high quality level. The **ACS 720** handles all common mounting media and coverglass sizes. Damaged coverglasses are automatically sorted out without interrupting the coverslipping process. Due to the high process speed we recommend

using only premium coverglass for automated coverslipping machines. Measuring only 630 x 670 x 640 mm the **ACS 720** takes up only a small amount of valuable space in your laboratory. In combination with the **TST 44 C** the unit attaches seamlessly to the right side of the stainer, providing full automation. You can also continue to operate your old stainer and use our **ACS 720** as a manual stand-alone unit.

## Suitable consumables for you

We offer a great variety of microscope slides, coverglasses and mounting media of different types. The **Medite** automat coverglass is particularly designed for the **ACS 720** coverslipper. Please also ask for our mounting media. The viscosity of **pertex**® is perfectly adjusted to the coverslipping machines from **Medite**.



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## Technical data TST 44 C:

Max. number of staining protocols: 20 / 12 parallel operating staining programs

Max. number of program steps: 40

Free choice for every step: station, time (from 1 sec. to 59 min.)

Drip collection: adjustable drain time combined with a patented drip collection technology avoids carryover of solvents.  
drain time 0 to 9 sec.



Number of stations: 44

including: 4 loading stations  
4 unloading stations, incl. 1 transfer station  
6 water stations for running water

optional: 2 drying stations (temperature adjustable from +40° C to +90° C)  
4 water stations  
30 staining stations with agitation

Contents of solvent containers: 360 ml, can be reduced to 260 ml

Dimensions (W/D/H): 1,210 x 670 x 640 mm

Weight: 115 kg

Power supply: 100-230 V / 50/60 Hz / 100 VA

## Technical data ACS 720:

Process speed: 6 to 11 sec. per slide

Dispensing volume: 30 - 150 µl

Mountant container: 500 ml bottle of mounting medium

**Slides**

Size: 26 x 76 mm

Thickness: 0.9 to 1.2 mm

Capacity: 150 pcs., continuous

**Coverglass**

Size - Standard: 24 x 50, 55, 60 mm

Thickness: 0.12 to 0.17 mm

Capacity to load: 300 pcs. approx.

Dimensions (W/D/H): 630 x 670 x 640 mm

Weight: 65 kg

Power supply: 100-240 V / 50/60 Hz / 400 VA



## TCA 44-720 Combination:

Dimensions (W/D/H): 1.840 x 670 x 640 mm

Power supply: 100-240 V / 50/60 Hz / 500 VA

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