CAMAG® HPTLC PRO

Module APPLICATION

Fully automated sample analysis and evaluation system for routine quality control

The HPTLC PRO Module APPLICATION is part of the CAMAG® HPTLC PRO SYSTEM – the first fully automated HPTLC system worldwide.

The HPTLC PRO Module APPLICATION is designed for highly precise application of samples as bands onto HPTLC glass plates. Controlled by the CAMAG® HPTLC Software *visionCATS*, the autonomous application of up to 75 samples is supported (on up to five HPTLC plates).

Users have the choice to operate a module as stand-alone or as part of the HPTLC PRO SYSTEM. If two or more modules are connected to form a system, a conveyor moves the HPTLC plate from one module to the other.

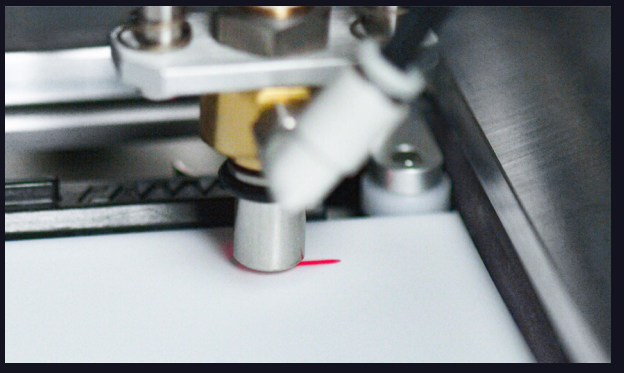
KEY FEATURES

- Part of the fully automated HPTLC PRO SYSTEM
- Spray-on application of samples as bands
- Autonomous application of up to 75 samples
- HPTLC glass plates (20 × 10 cm)
- Software-controlled by *visionCATS*

KEY BENEFITS

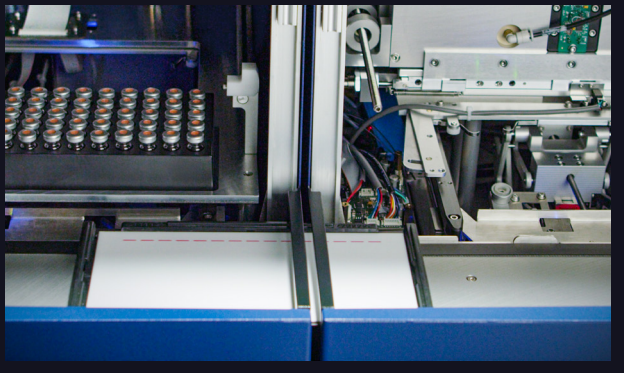
- Highly precise application zones through optimized spraying procedure adapted for each sample solvent
- Advanced cleaning capacities (two rinsing solutions)
- Improved cleaning procedure and application strategy to prevent cross contamination
- Minimized sample and solvent consumption

With a capacity of up to 75 vials, the Module APPLICATION is designed for autonomous application of multiple samples on up to five different plates. For this, we recommend the Module PLATE STORAGE, which automatically feeds the Module APPLICATION with new plates. The Module APPLICATION supports the application of more than 200 samples per day.



Laser-controlled application of a sample at optimal spraying distance. Depending on the sample solvent used, the needle distance and dosage speed vary, ensuring a highly precise application of samples as narrow bands.

To avoid cross contamination, the syringe generates a highly effective separation bubble between the rinsing solvent and the sample solution. The syringe is cleaned after each application of a sample.



The built-in conveyor transports an applied HPTLC glass plate from the Module APPLICATION to the Module DEVELOPMENT.

TECHNICAL SPECIFICATIONS

Nitrogen or compressed air pressure	5 – 8 bar (73 – 116 psi)
Operating temperature	15 – 30 °C
Recommended working temperature	20 – 25 °C
Plate types	HPTLC glass plates 20 × 10 cm
Operating voltage	100 – 240 VAC; 50 / 60 Hz
Power consumption	40 W
Dimensions (W × D × H)	384 × 550 × 510 mm
Weight	~ 33 kg

ORDERING INFORMATION

060.2000	**CAMAG® HPTLC PRO Module APPLICATION** Can be operated either as stand-alone or as part of the fully automated CAMAG® HPTLC PRO SYSTEM. Allows the autonomous application of up to 75 samples as bands onto HPTLC glass plates (20 × 10 cm). Includes 10 µL Syringe (695.20001-1) and Spray-on needle (695.20000-1), 2 Carriers for HPTLC glass plates (20 × 10 cm), set of bottles for start-up, and Rack for 75 standard 2 mL vials (060.2100).

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