

CANVAG®

# HPTLC PRO MODULE DEVELOPMENT



Fully automated development of up to 5 HPTLC glass plates (20 × 10 cm).

## IN A NUTSHELL

# FULLY AUTOMATED AND HIGHLY REPRODUCIBLE DEVELOPMENT

The advanced chamber of the HPTLC PRO **Module DEVELOPMENT** revolutionizes chromatography by fully controlling the gas phase, ensuring highly reproducible results. A sensor-controlled system maintains a constant volume of developing solvent in the chamber during development, further enhancing consistency and reliability.

Controlled by *visionCATS* HPTLC Software, the Module DEVELOPMENT autonomously develops up to five HPTLC glass plates (20 × 10 cm)

sequentially, using up to three different developing solvents. An optimized cleaning procedure between different developing solvents ensures contamination-free transitions and maximizes method integrity.

With automated plate handling and minimal operator intervention, the Module DEVELOPMENT enables consistent, efficient workflows, making it the perfect solution for modern analytical labs in pharmaceutical, botanical, food, and environmental sectors.

- Development of up to 5 HPTLC plates (20 × 10 cm)
- Supports up to 3 different developing solvents
- HPTLC glass plates (20 × 10 cm)
- Software-controlled by *visionCATS*

## KEY BENEFITS



Low chamber volume for better control of the gas phase



Fast activation and pre-conditioning of the stationary phase



Full control of the gas phase during development



Significant time savings due to active gas phase handling



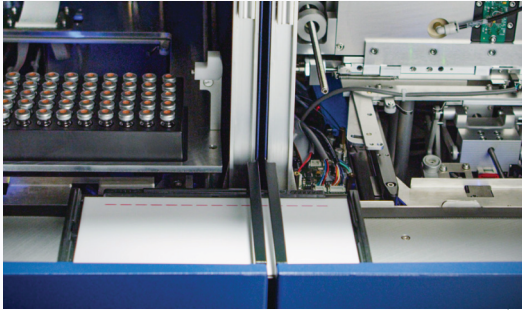
User-independent reproducibility



Stand-alone operation or integration in the HPTLC PRO System

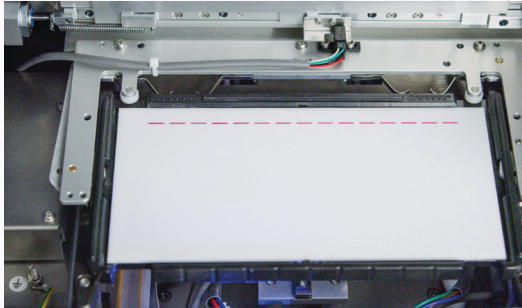
## HOW IT WORKS

# SMOOTH & PRECISE OPERATION



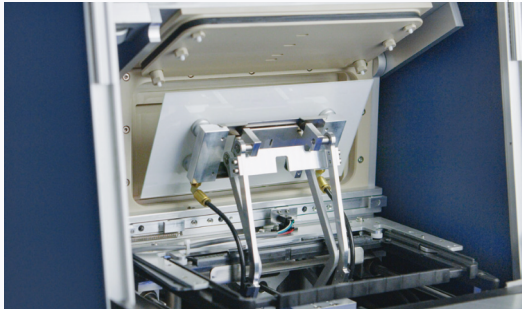
### 01

After application of all samples, the plate is moved to the Module DEVELOPMENT.



### 02

The plate containing the samples applied is ready to be loaded into the developing chamber.



### 03

The tilting mechanism moves the plate from a horizontal to a vertical position into the developing chamber, where it is then developed according to the selected method.



### 04

After development and drying in the chamber, the plate is returned to a horizontal position, ready to be transferred from the Module DEVELOPMENT to other modules for further processing.

## HPTLC PRO 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	70 W
Dimensions (W×D×H)	384 × 550 × 510 mm
Weight	~ 41 kg

## WHAT YOU NEED TO GET STARTED

## ORDERING INFORMATION

060.3000

## CAMAG® HPTLC PRO Module DEVELOPMENT

Can be operated either as stand-alone or as part of the fully automated CAMAG® HPTLC PRO SYSTEM. Allows to autonomously develop up to five different HPTLC glass plates with up to three different developing solvents. The gas phase can be actively circulated. Includes 2 Carriers for HPTLC glass plates (20 × 10 cm), and a set of bottles for start-up.