**Thin Film Coater TFC200-400**

**The smart way to start your upscaling research**

## Features

* Print functional films with nanometer precision
* Small size (only 200x300x125mm³), large deposition area (150x150mm² for doctor blading and approximately 80x150mm² for slot-die coating)
* Ideal for saving precious lab space with minimized heat dissipation, especially important in glovebox environments
* Free positioning of control units for motion and temperature
* Features:
	+ 1-100 mm/s
	+ Up to 120°C hotplate temperature
	+ Adjustable applicators

## See also

### [Consumables](http://www.automatic-research.de/measurement/consumables/)

## Size and Hotplate Options

| **Art. No.** | **Description** |
| --- | --- |
| TFC200 | Film appicator small 200×300 mm² |
| TFC300 | Film applicator middle 300×400 mm² |
| TFC400 | Film applicator large 400×500 mm² |
| TFCXXXH | With hot plate |
| TFCXXXVH | With vacuum hot plate and vacuum pump |

## Adjustable Doctor Blades



Universal Applicator for doctor blading with adjustable height from 0-11 mm to suit a large range of substrates.

| **Art. No.** | **Description** |
| --- | --- |
| DB200 | Small – length 200mm |
| DB300 | Large – length 300mm |

## Slot-Die Applicators and Coating Heads



### Key Features

* Transform a film applicator into a slot-die printer
* Height adjustment over more than 6 mm
* As bundle with slot-die head, syringe pump, pipe heaters and consumables starter kit or customized to hold your choice of slot-die heads
* Optional computer-controlled system with film applicator and syringe pump for highest reproducability

| **Art. No.** | **Description** |
| --- | --- |
| CS100 | Control system for the whole slot die coating process with software and PC |
| SA80 | Slot die applicator for 80mm coating head |
| SC80 | Coating head 80mm |
| SH80 | Heating system for coating head 80mm incl. ink and pipe heater – 4 temperature controllers for individual heating |
| SA150 | Slot die applicator for 150mm coating head |
| SC150 | Coating head 150mm |
| SH150 | Heating system for coatig head 150mm incl. ink and pipe jeater – 4 temperature controllers for individual heating |
| SP10 | Syringe pump for up to 10ml syringes |
| SP20 | Syringe pump for up to 20ml syringes |