



**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY  
MATERIALS MANAGEMENT DIVISION  
Powai, Mumbai 400076.**

**PR No. 1000028453 (Rfx No. 6100001195)**

**Detailed Technical Specifications for Add-on components of existing HPTLC system:**

**1] SEMI AUTOMATIC SPOT / BAND APPLICATOR**

5th Generation. Sprays sample to layer. Stand alone or System Manager Control. 4 mode applicator  
1) Quantitative analysis 2) Micro-preparative chromatography (190mm band length & 500µl sample in one go)  
3) Superimpose – int. std.or derivatization reagent in same method 4) in – situ clean-up (sample application at 110mm on y axis). Sample syringe – 100µl (for analytical work) 500µl (for micropreparative work). Sample position on X & Y axis freely selectable. Automatic rate of sample dispensing. Method storage – 10 built-in or infinite through system manager. Method entry – Manual or download from System Manager. Can auto – test instruments (self-diagnosis).

**2] Analytical sample syringe – 100ul**

**3] DERIVATIZER**

Micro-droplet spraying technology for derivatization of TLC plates

- Highly homogeneous reagent distribution through optimized droplet size
- Recommended settings for the most common derivatization reagents
- Safe and environmentally friendly operation through closed system
- Intuitive handling and easy cleaning
- Both 20x20cm & 20x10cm TLC/HPTLC plates compatible
- 2ml derivitization reagent consumption for 20x10cm plates & 4ml for 20x20cm plates

**General conditions: -**

- Specifications should be confirmed from the website of the manufacturer.
- Good lab support from India is essential.
- **Maintenance:** A good team of service engineers, trained by the manufacturer is essential. Detailed information of service engineers and their product training to be provided. AMC or CMC rates should be offered reasonably.
- Live product demo, with our samples is necessary.
- **Analysis support:** Since we deal with complex samples, support for analysis should be given by the supplier by sending their application chemist.
- Demo of various specifications should be given by the successful bidder before placing order.
- Please provide complete details of your customer support lab. in India and training charges, if any in the next three years after the installation.
- The winning bidder will have to prove compliance with specifications before placing order!