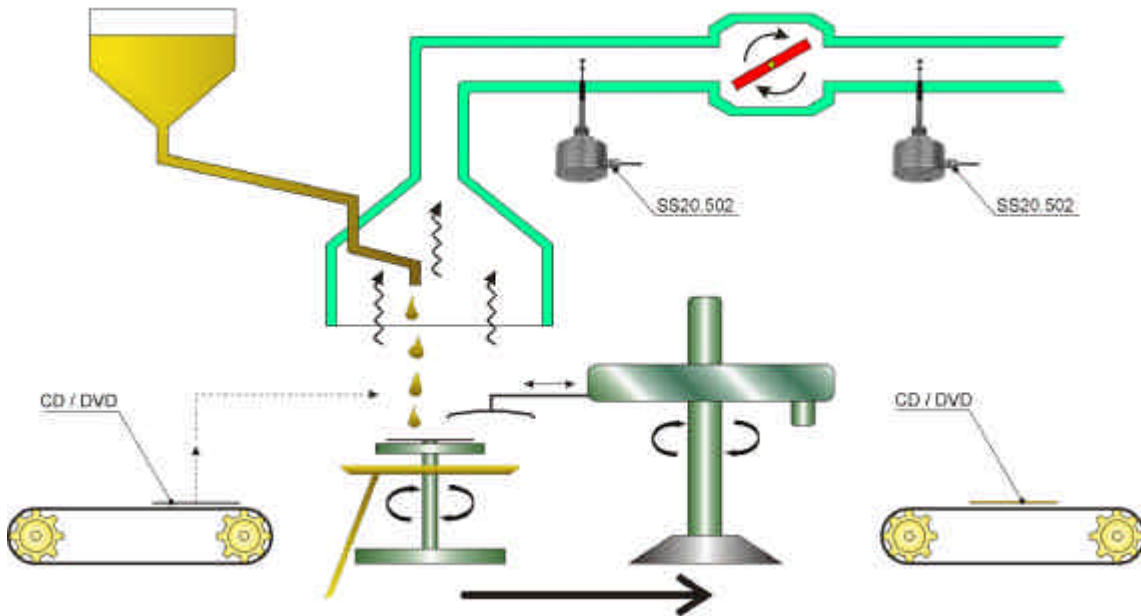


## CD Coating



### Description of the application:

During the manufacturing process of a CD-R there is one step called Dye Coating. The application of the dye has to be done under absolute clean air and a continuous air stream is used to accelerate the drying process and to take away the evaporating solvent. The air speed must be very accurate in order to get a constant result of the coating process especially the thickness of the dye. Deviations in air speed may lead to products with bad or unusable characteristics. The air speed signal of the SCHMIDT sensor is used to control the air speed.

### Function of the Sensor:

Measuring of the speed of the drying air flow. The air speed indication is done via operating panel of the machine

### Location of the Sensor:

In the exhaust air tube.

### Branch:

Cleanroom / CD replicators

### Sensor type used:

**SCHMIDT® SS 20.502**  
0..20 m/s      160 mm remote tip  
0..10 V

### Reasons to choose a SCHMIDT sensor:

- Highly precise measurements with high repeatability
- Sensor resistant against used solvent
- Linear output signal
- Remote tip ideal for mounting