



## This Application

- ◆ Monitoring purified CO<sub>2</sub> feedstock on THC presence

## Other Applications for Purified Gases

- ◆ NMTHC measurement in N<sub>2</sub> with total-FID
- ◆ 24/7 BTEX monitoring in plant air inlet

## Other Compounds

- ◆ Total volatile hydrocarbons
- ◆ Aromatics/BTEX/other VOCs

## Other Areas

- ◆ Continuous purity checks on feedstock gases
- ◆ Process gas monitoring

## Hazards

- ◆ Impurities influence products' qualities

## Customer

Process gas supplier for the manufacturing of lithography machines (The Netherlands)

## Background

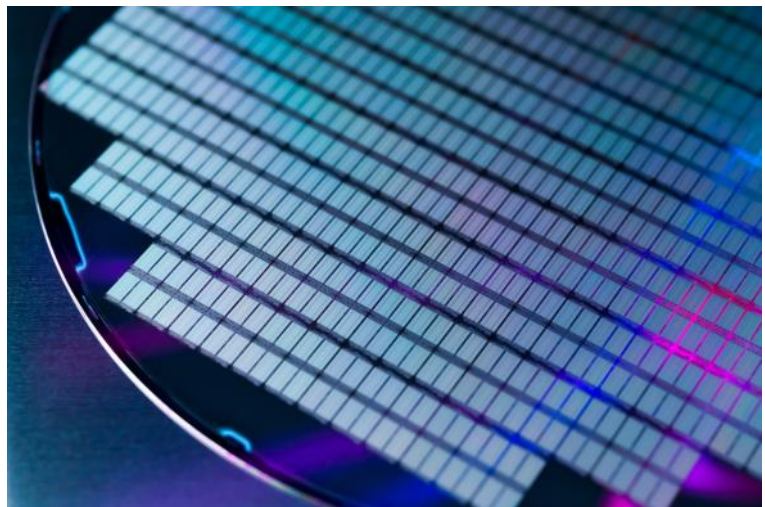
The project was implemented for one of the largest suppliers of purified process gases in the world. Ultra clean CO<sub>2</sub> is required in the cleanroom production facilities of the end client as the presence of VOCs can be very harmful for the production and test procedures.

## Local Circumstances

To minimise the VOC presence, the CO<sub>2</sub> is filtered by an active coal filter plant before entering the production facilities.

## Solution & Results

The utility department of the end client was offered a special Synspec GC total PID/FID instrument for continuous monitoring of the CO<sub>2</sub> gas quality. It is connected with an alarm system and requires little maintenance efforts.



## About Synspec

Synspec is a leading company in manufacturing instruments for the measurement of VOCs in ambient air and industrial applications. We are an R&D based enterprise with a team of specialists who have a deep technical and analytical know-how, ready to provide you with customised solutions.

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