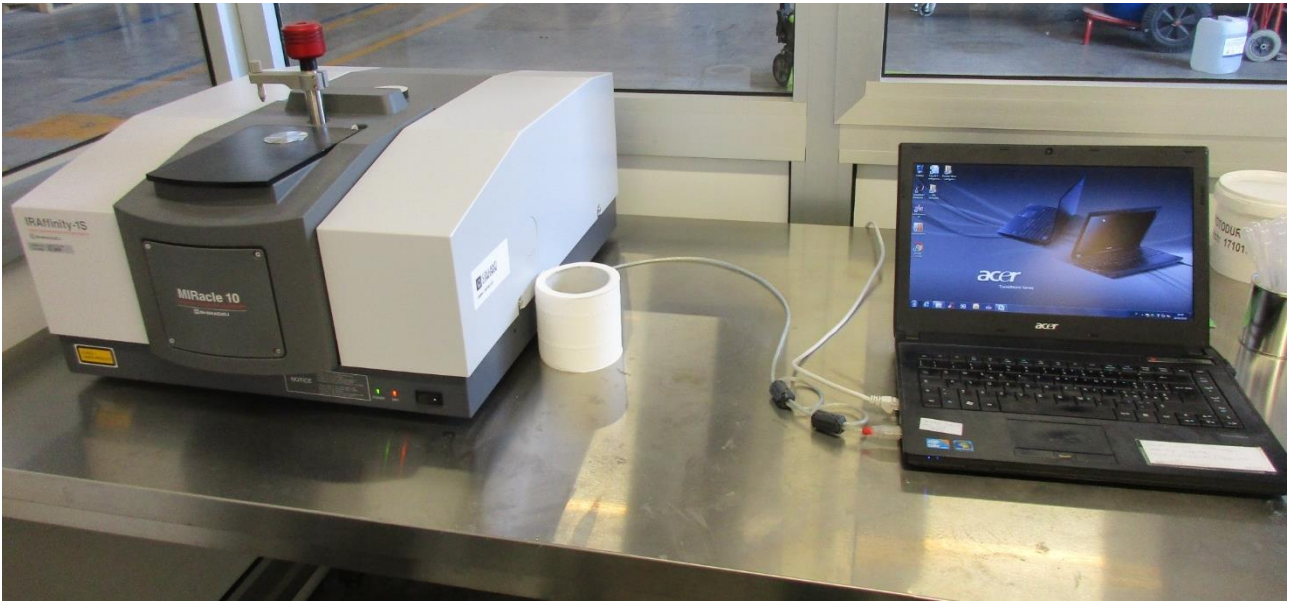
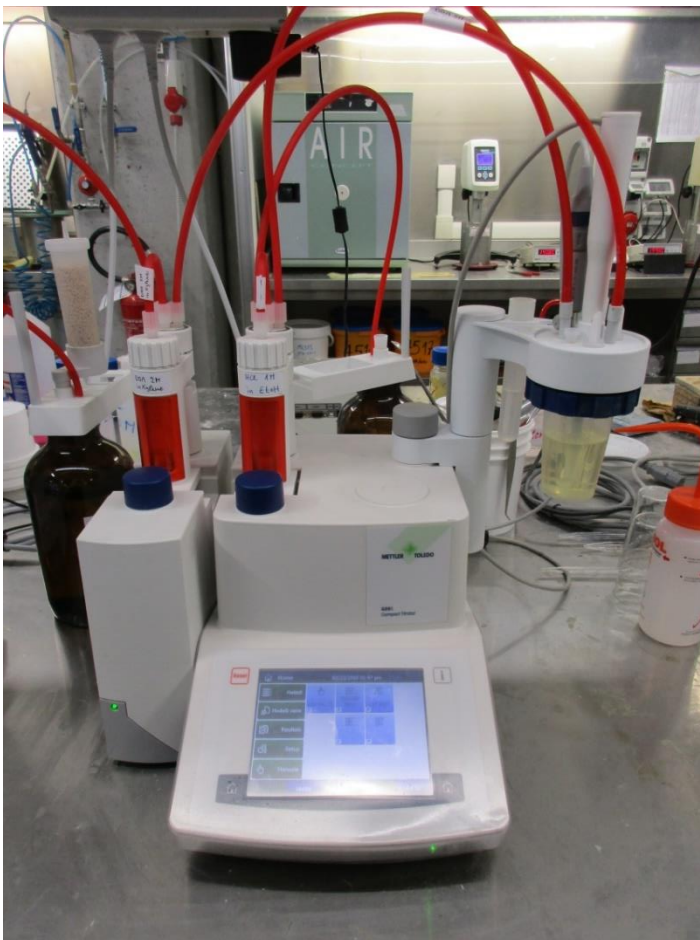


## Fourier Transform Infrared Spectrometer



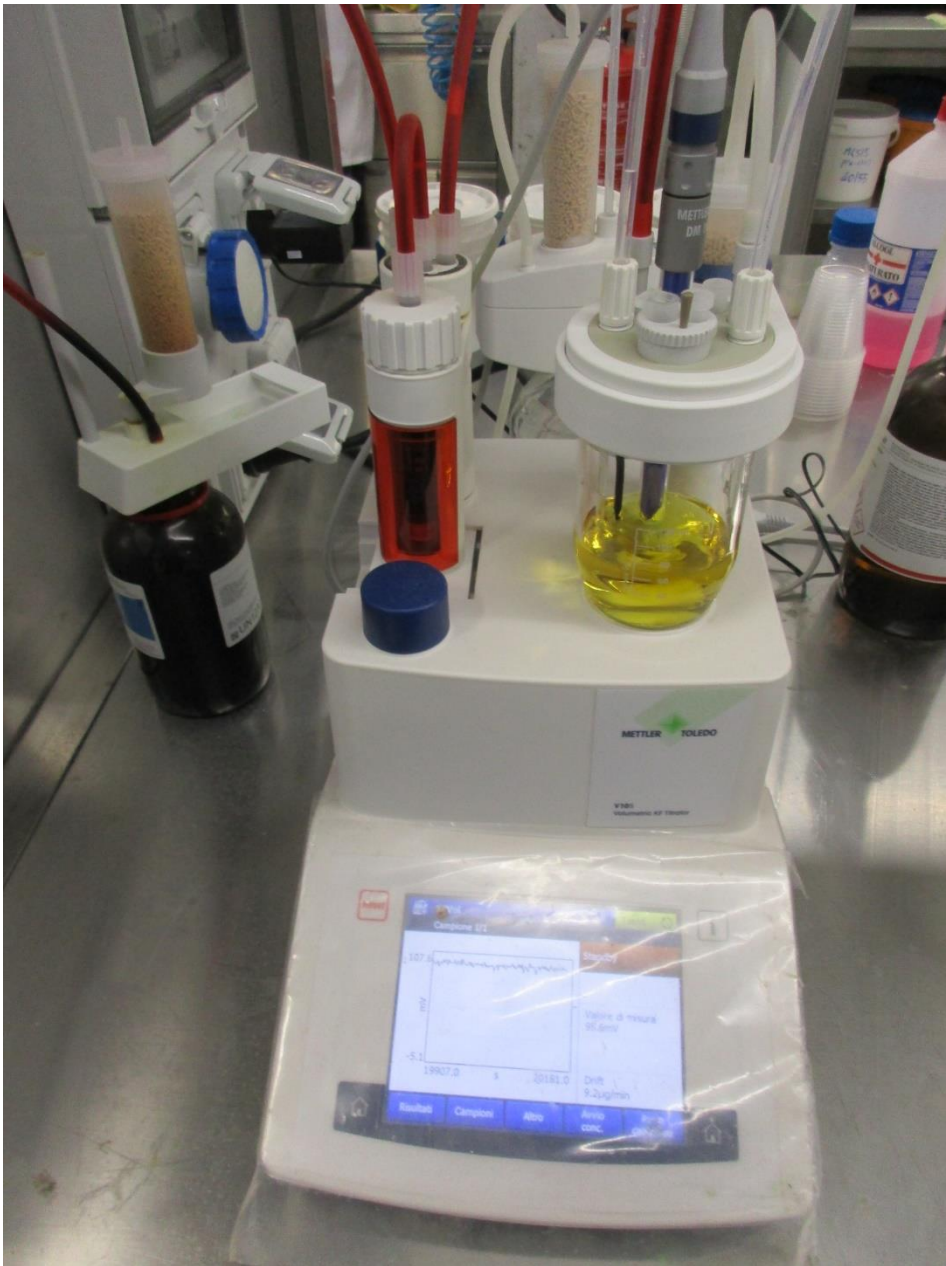
This is a Fourier Transform Infrared Spectrometer equipped with an ATR (Attenuated Total Reflectance) device that permits us to analyze liquid and solid samples. This instrument has a signal to noise ratio (S/N) of 30.000/1  $\text{cm}^{-1}$  and it can cover a spectral range from 400 to 4000  $\text{cm}^{-1}$ .

## automatic titrator



This is an automatic titrator that we use to determine the content of free isocyanate groups in a sample of polyurethane prepolymer. This information is very important, because it is directly correlated to the degree of polymerization.

## automatic Karl Fischer Titrator



This is an automatic Karl Fischer Titrator that we use to determine the water content of polyether polyols used in the synthesis of polyurethane prepolymers. The amount of water must be below 0.1% w/w, otherwise this could cause serious problems to the polymerization process.