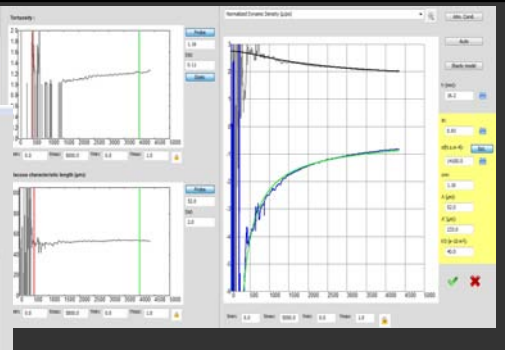
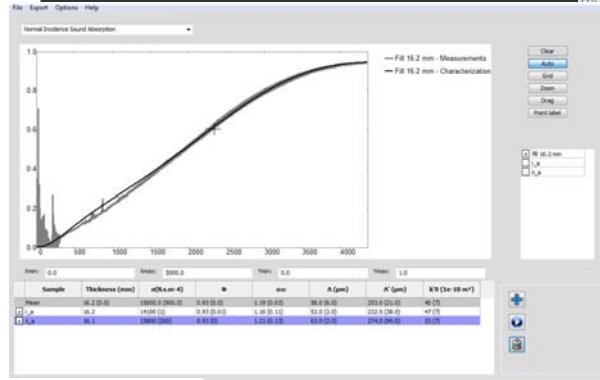




# RokCell



## Use your existing setup and characterize !

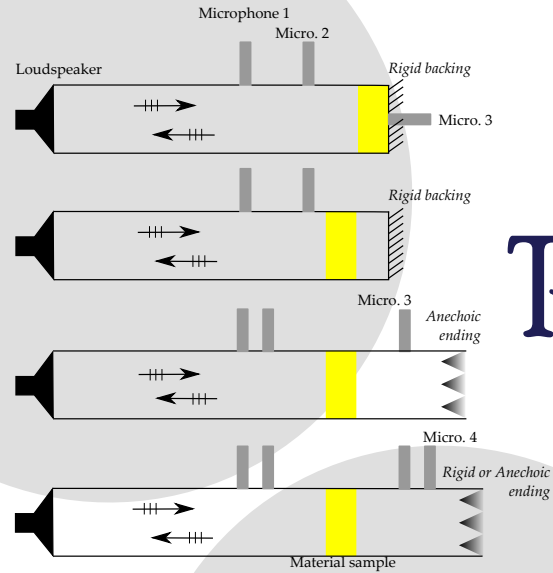
### Inputs

Impedance tube measured data obtained with :

- the three microphone technique
- the four microphone technique
- the two-load method.

To be used ideally with **TubeCell** acquisition software.

MATELYS also provides **turnkey equipments** and **customised setups** : porosity, resistivity, elastic modulus ...



# TubeCell

## Integrate RokCell results in your design process !

FEM, CAA, SEA, Ray-tracing tools...

### Key features

- **analytical inversion**
- check for **parameter consistency**
- **air flow resistivity estimation** from acoustical measurements

Dedicated export to

- **AlphaCell**
- **Actran** (FFT product)

# $\alpha$ Cell

### Outputs for porous materials

- JCA / JCAL parameters

### Outputs for screens and perforated plates

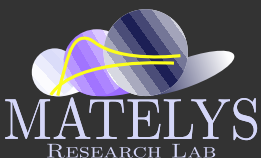
- resistivity, opening rate, JCA equivalent parameters

### Output for liners

- parameters for **Özyörük** time-domain impedance model

RokCell runs under

MS-Windows, Linux, Unix, Mac



RokCell is a software product designed and developed by MATELYS-Research Lab

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