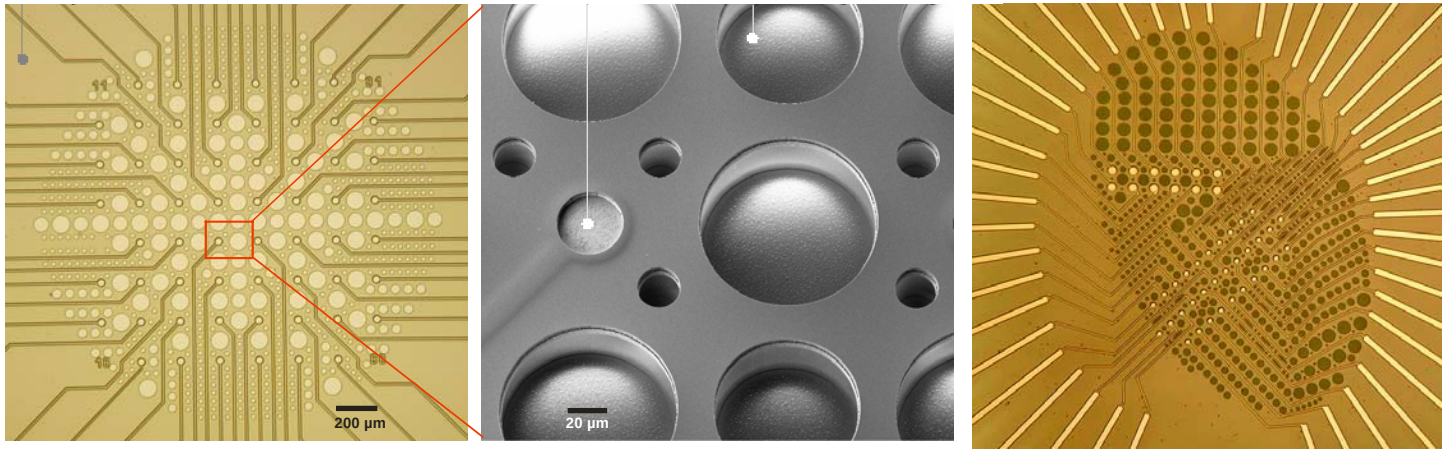
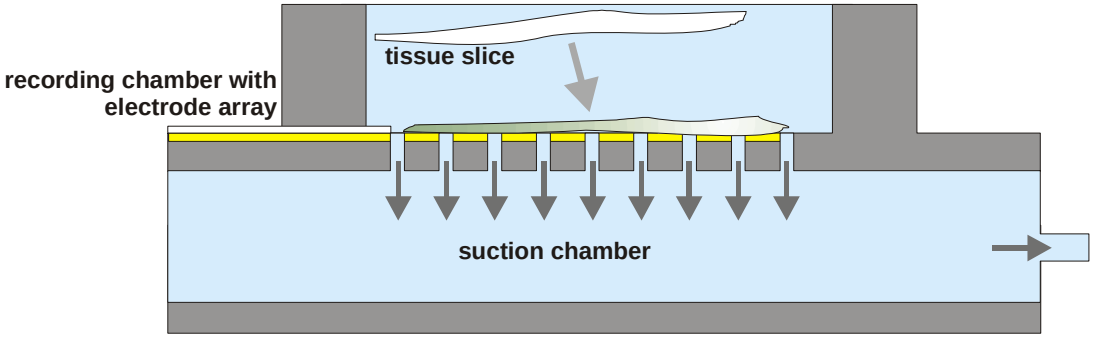
New MEAs

Multi Channel Systems MCS GmbH
Reutlingen, Germany

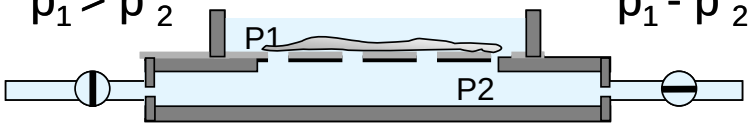
Perforated MEAs





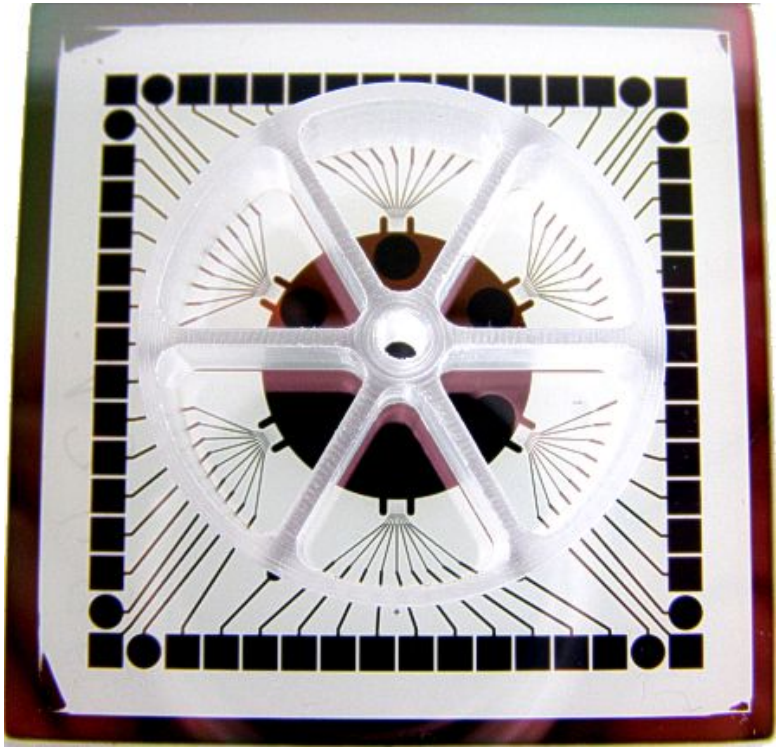
$p_1 > p_2$

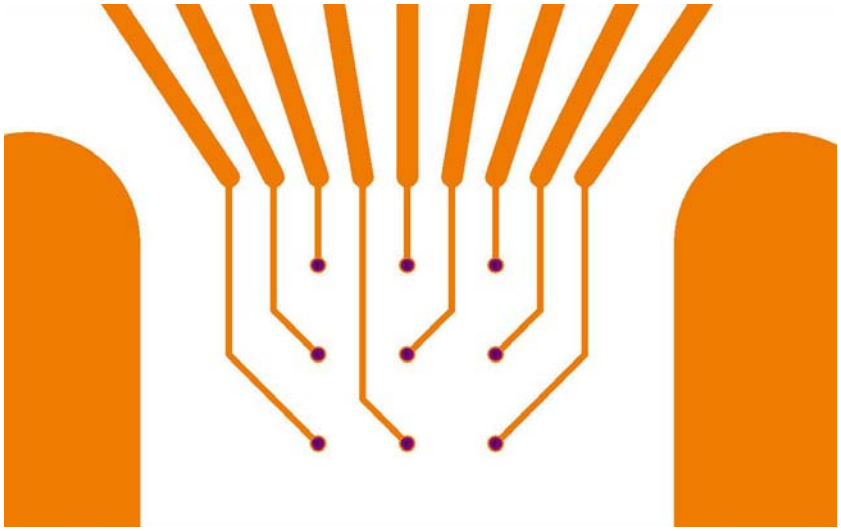
$p_1 - p_2 = \Delta p$



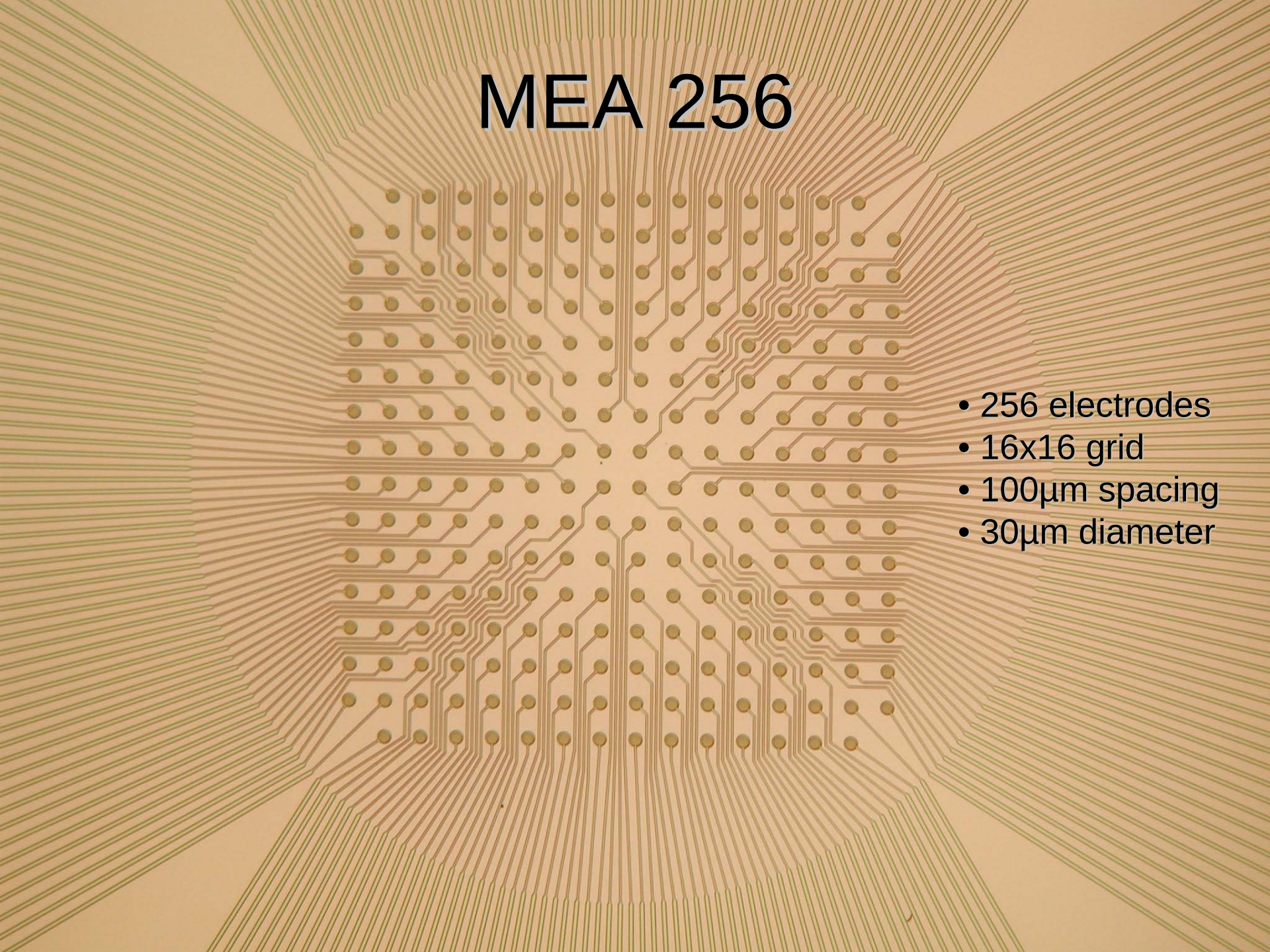
S7
S5
S3
S1
S2
A8
A5
A2
A9
A1
A3
A21
A22
A25
A26
A31

6 Well MEAs



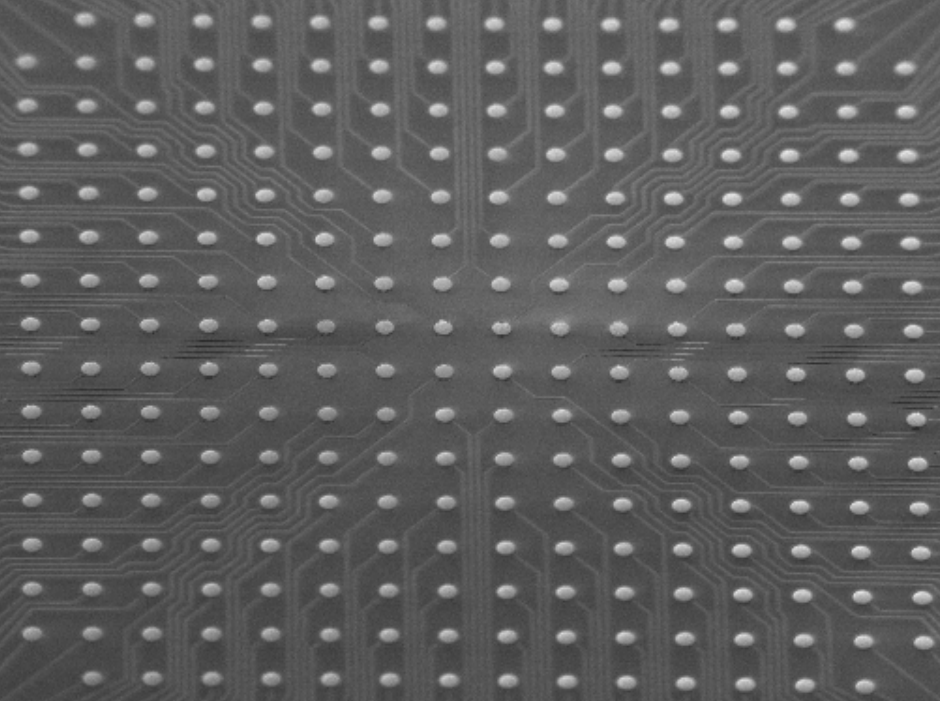


MEA 256



- 256 electrodes
- 16x16 grid
- 100µm spacing
- 30µm diameter

MEA 256



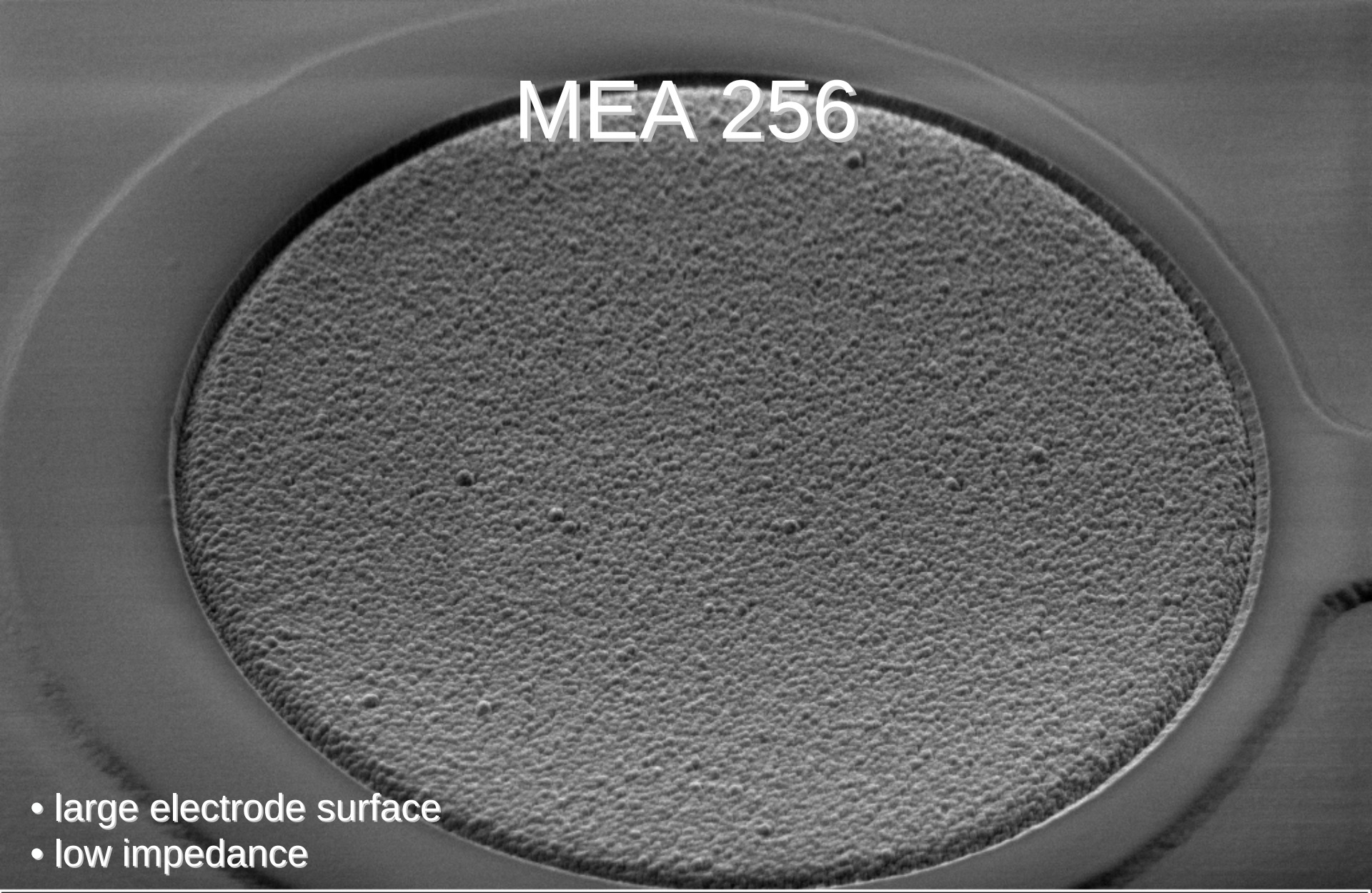
- 256 electrodes
- 16x16 grid
- 100µm spacing
- 30µm diameter

NMI 200 µm

WD = 9.2 mm Mag = 117 X Signal A = SE2 File Name = O81021_01.tif

www.nmi.de EHT = 3.00 kV FIB Mag = 9.51 K X FIB Probe = 30KV:50 pA 54.0 ° TC On MEA 256

MEA 256



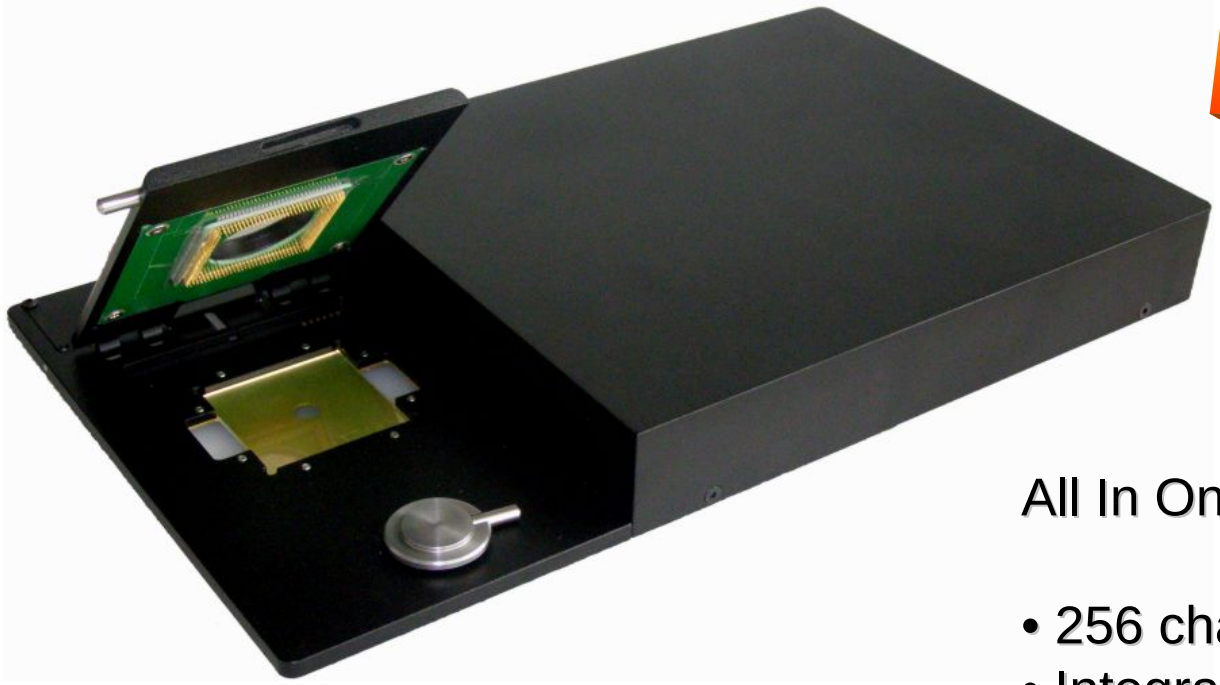
- large electrode surface
- low impedance

NMI 2 µm

WD = 9.2 mm Mag = 9.47 K X Signal A = SE2 File Name = O81021_03.tif

www.nmi.de EHT = 3.00 kV FIB Mag = 9.51 K X FIB Probe = 30KV:50 pA 54.0 ° TC On MEA 256

256 Channel MEA System



Brand New!

All In One Recording System

- 256 channel amplifier
- Integrated data acquisition
- USB 2.0 data transfer

256 Channel MEA System

* Pre- and filter amplifier with integrated data acquisition and analog-digital converter.
* Gain and bandwidth as specified in the order.
* Standard specifications: Gain: 1100, bandwidth: 1Hz- 3 kHz.
* Sampling rate max. 40 kHz per channel.
* Direct access to each electrode for stimulation via connectors.
* Integrated heating element and temperature sensor PT100.
* Digital Trigger In for synchronization between amplifier and MC_Rack (1 x C-BNC-Lemo)
* Digital IN / OUT: Interface for 16-bit digital input / output channels. Generates or accepts TTL-pulses.
* DIG OUT 0: Interface for input bit 0 of the 16-bit digital Input / output channels (1 x C-BNC-Lemo)
* Audio Out: Interface for connecting an audio system
* 4 x Analog IN: Interface for 4 additional analog inputs
* Universal Serial Bus 2.0 High Speed for transferring digitally converted data to any data acquisition computer with a sampling rate of up to 40 kHz/channel.(USB 2.0 High Speed cable).