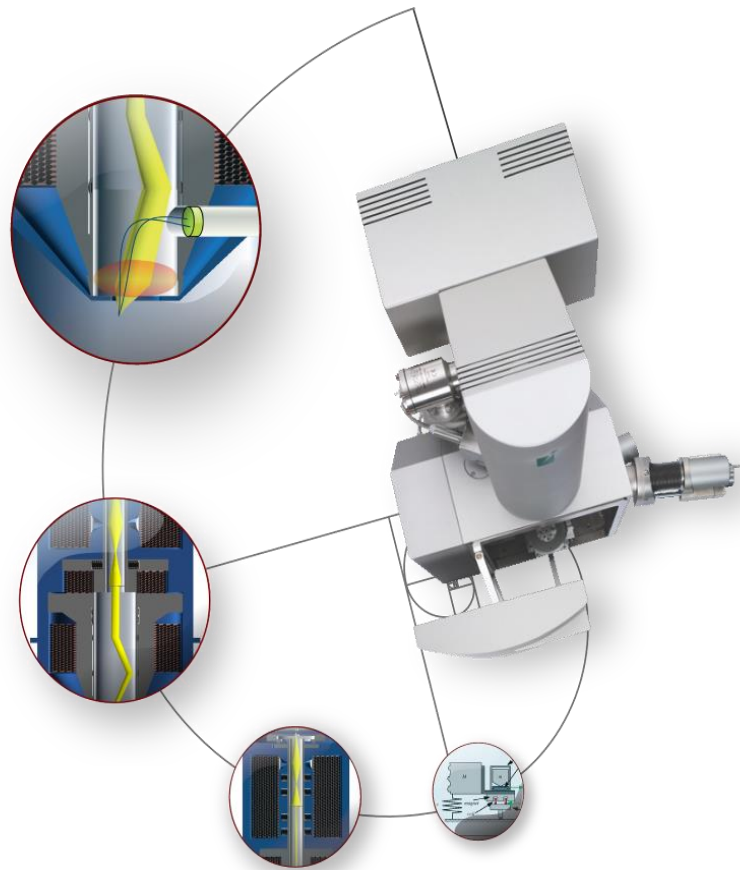




Firma založena: 1991

Aktivity: vývoj, výroba a prodej
elektronových mikroskopů

Člen skupiny TESCAN ORSAY HOLDING, a.s.



Společnost je majoritně česká

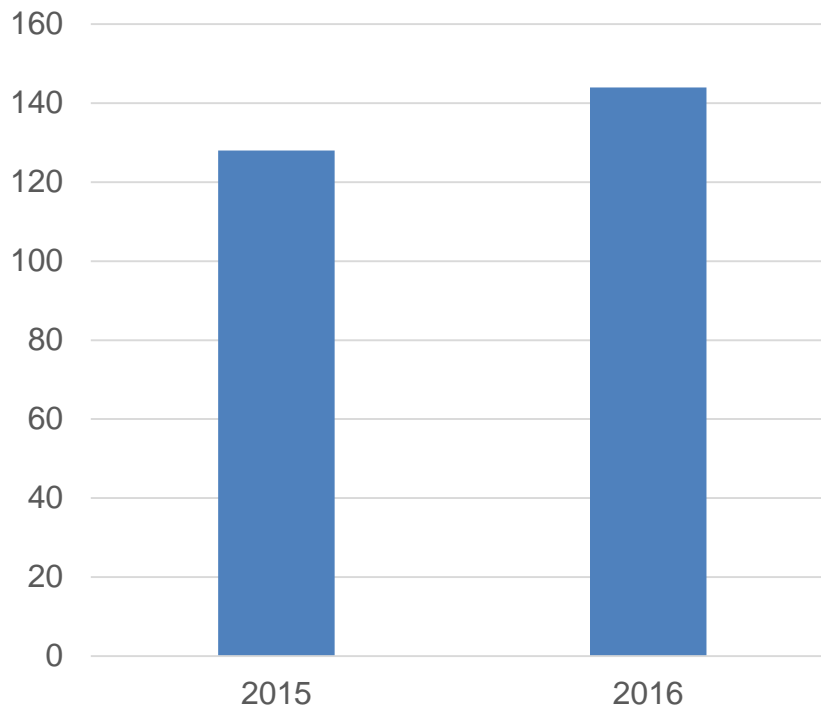
Lokality

Brno, Francie; obchodní pobočky
v Číně, USA, UK, Německu...

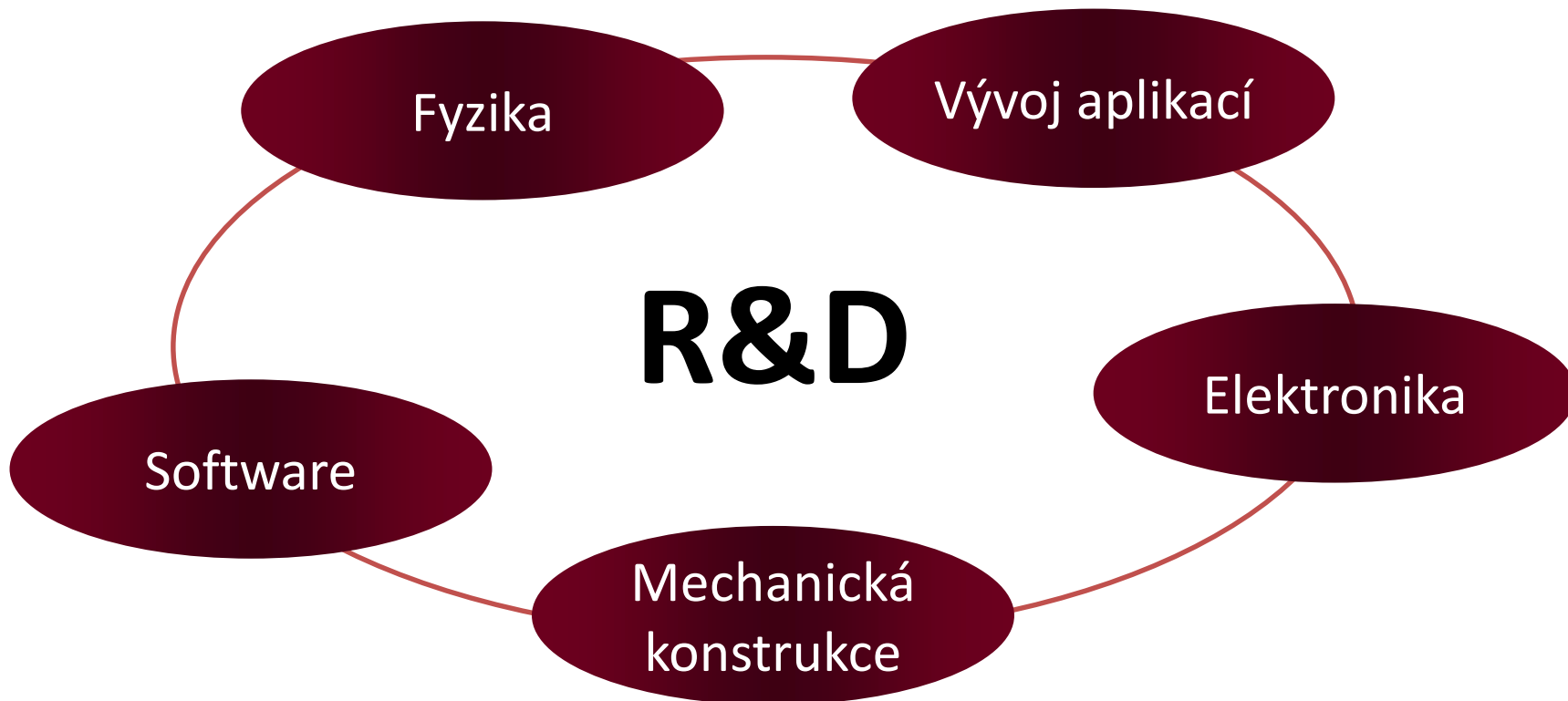
Počet zaměstnanců v roce 2017

> 250

Výdaje na výzkum – milionů Kč







Menu | Software developer | TESCAN Essence | Search (CTRL+F)

Wizard | Vent | Adjustment

FIB Scan

Emission ready

FIB

Preset: -----

Eng 0.1 keV | Apt -----

FoV 1164.745 μ m | Spd 1 (100 ns)

Rot 0° | Shf 0/0 μ m

Con 0.1 kV | Obj -0 kV

Mag 237 x | SpS 260.023 nm

PC --- | Stg 0/0 %

TCr 0°

GIS

Insulator

Temperature regulation is off

Water

Temperature regulation is off

Fluorine

Temperature regulation is off

Platinum

Ready

Carbon

Ready

A-MAZE

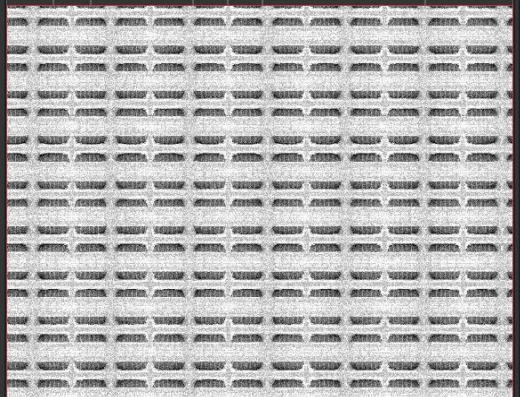
Temperature regulation is off

Nanoflat

Temperature regulation is off

FIB Scanning

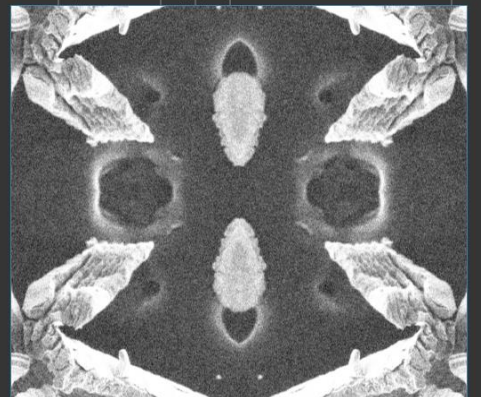
SE | 50.0/20.0 % | 100.0 %



FoV 1.16 mm | Speed 1 | 100 μ m

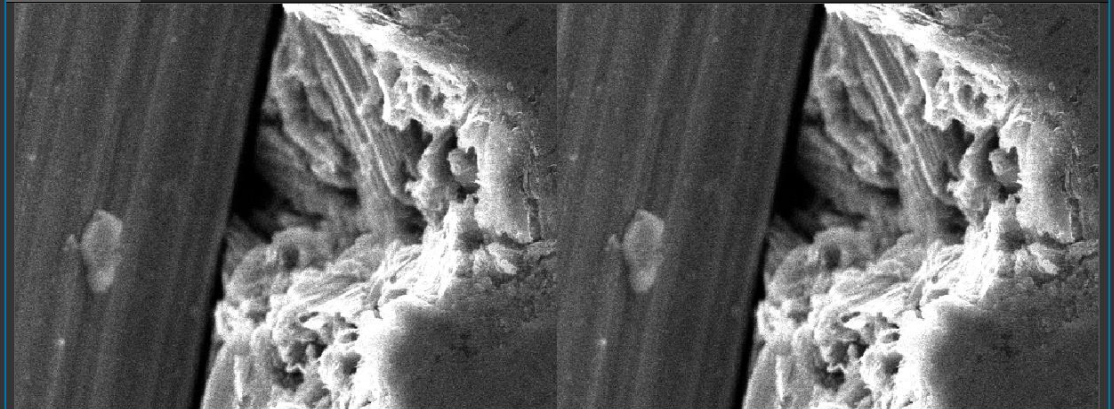
SEM Scanning

MD (SE) | 56.0/45.0 % | 50.0 %



FoV 1.96 mm | WD 6.00 mm | Speed 1 | Scan Mode UH-RESOLUTION | 500 μ m

splitview.tiff



Pad

Landing Energy (SEM) 3

20 keV

SEM Scan

SEM

Preset: -----

Eng 20 keV | UH-RESOLUTION

FoV 1956.3 μ m | WD 6 mm

Spd 1 (100 ns) | BC 1 nA

AC-10.8 nA | Mag 141 x

Shf 0/0 μ m | Rot 0°

Stg 0.0/0.0 %

Stage Control

Stop

Tilt 0° 35° 55°

Rotation +90° +180° -90°

WD&Z

6 mm | Move

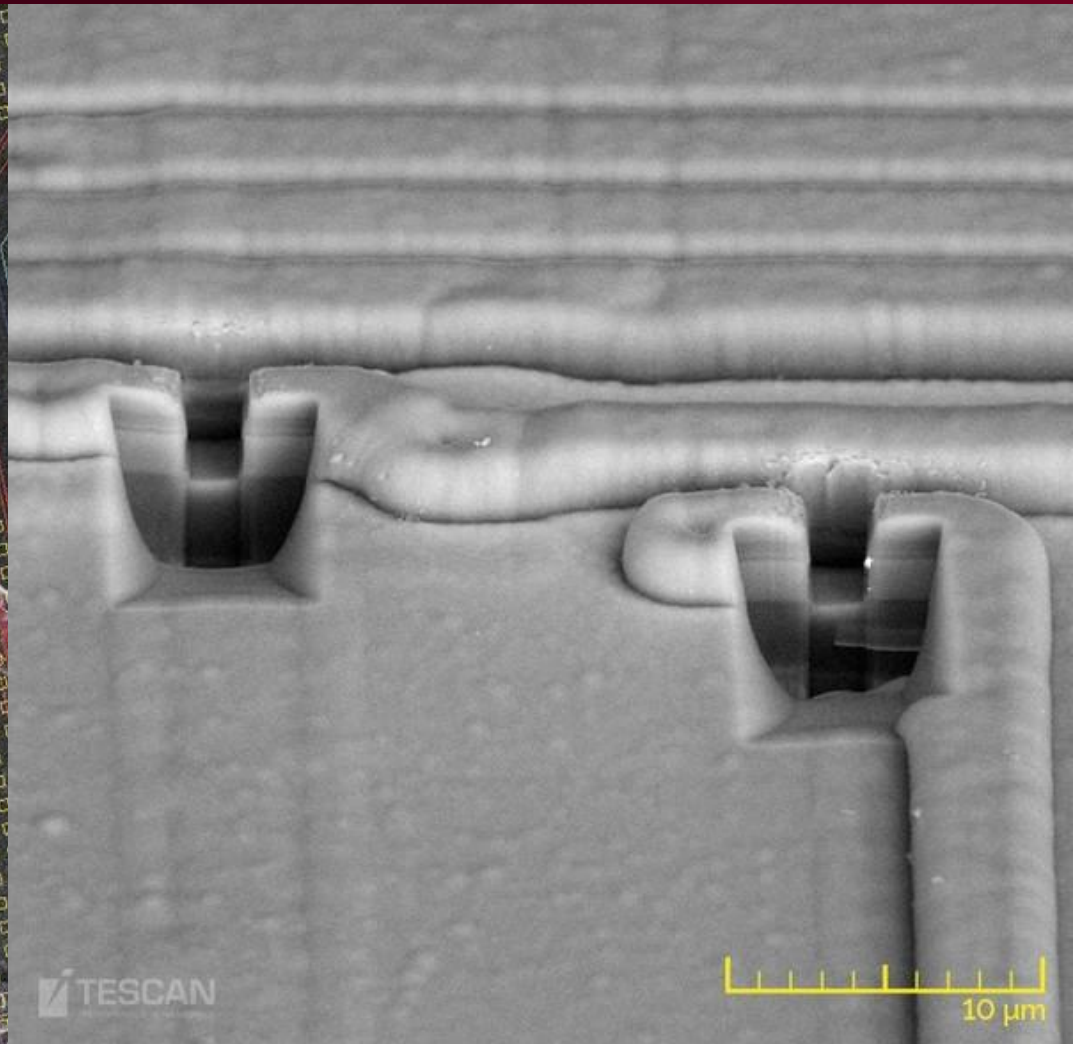
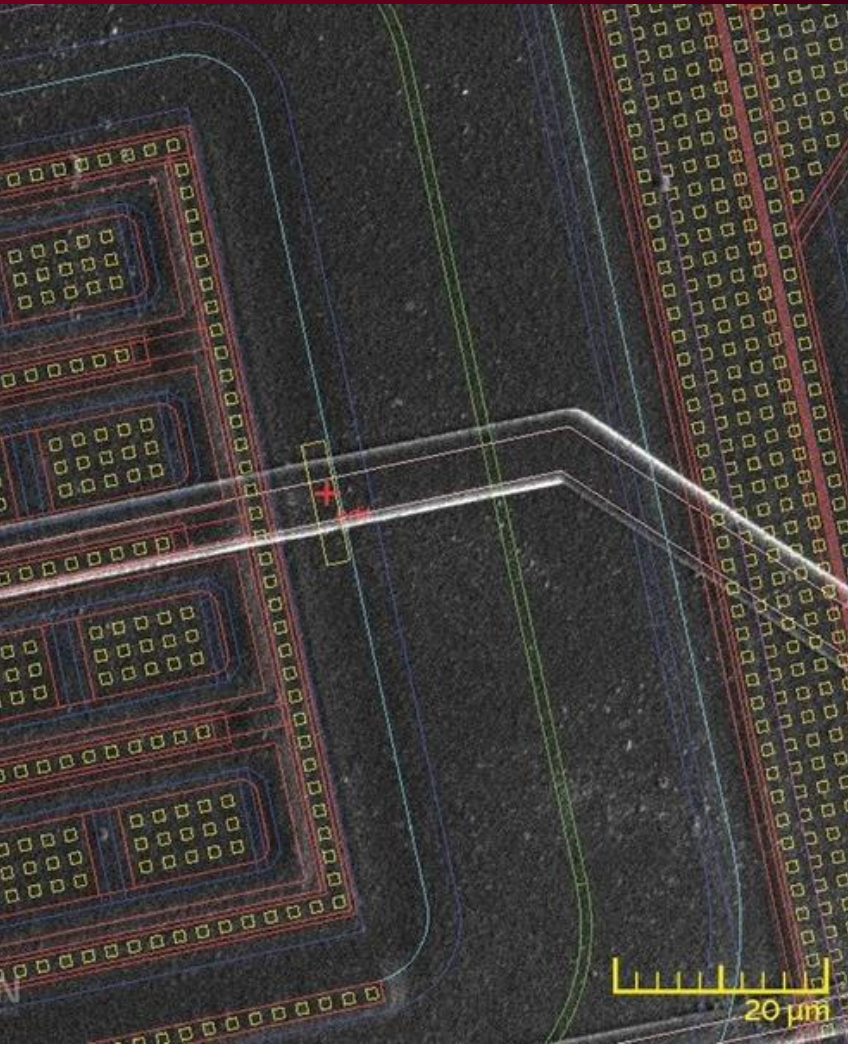
Analytical 10 mm | 13 mm

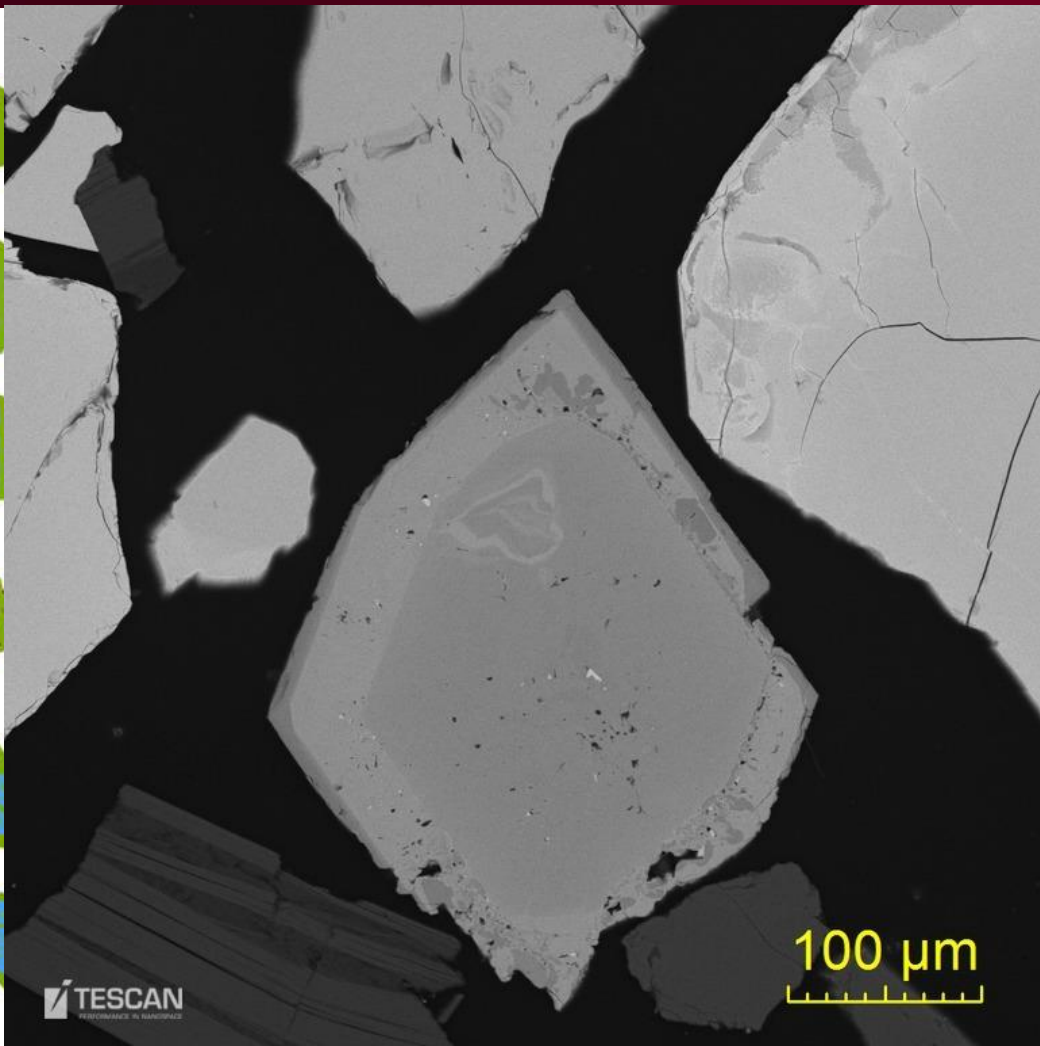
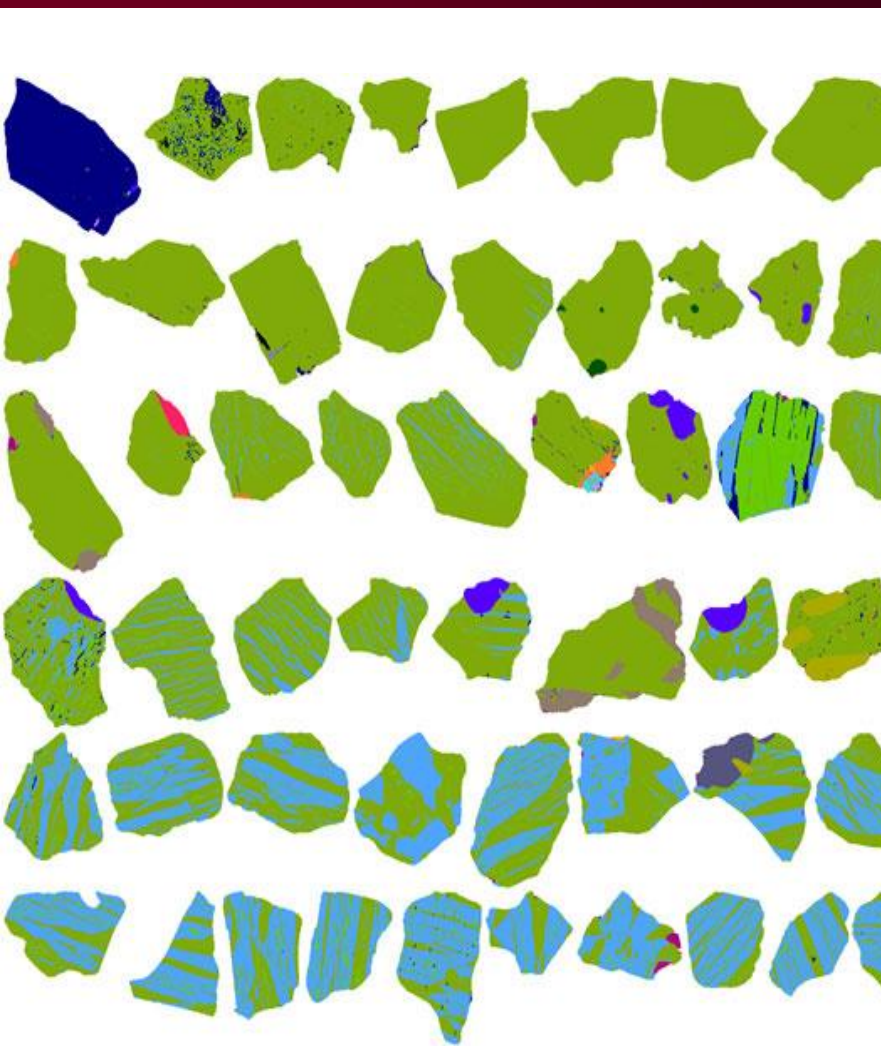
A B C D E F G

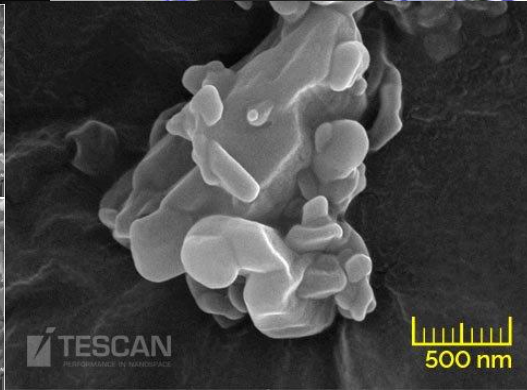
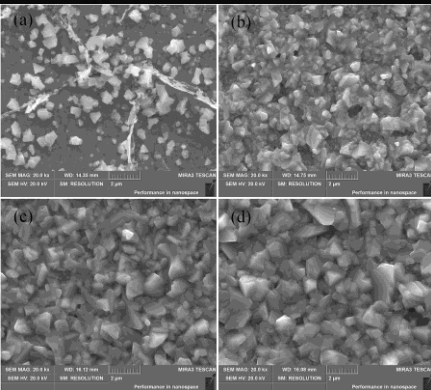
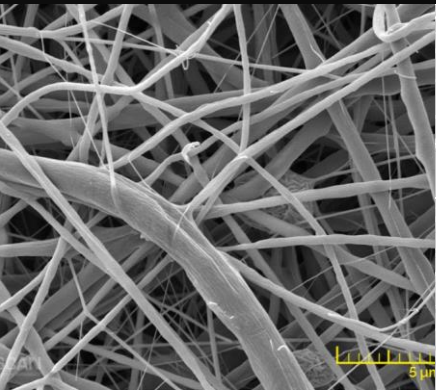
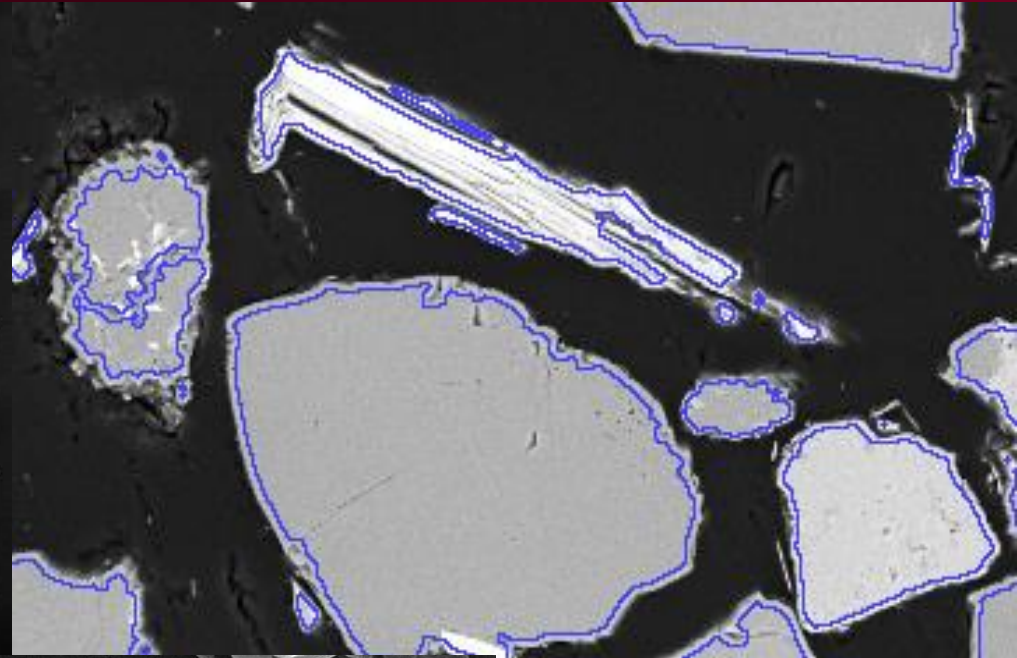
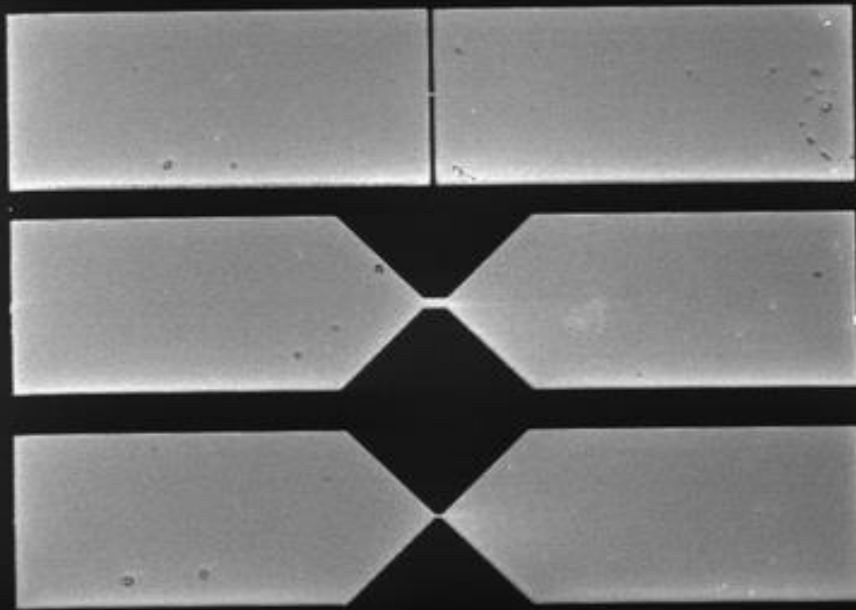
Low Vacuum

UniVac 7 Pa

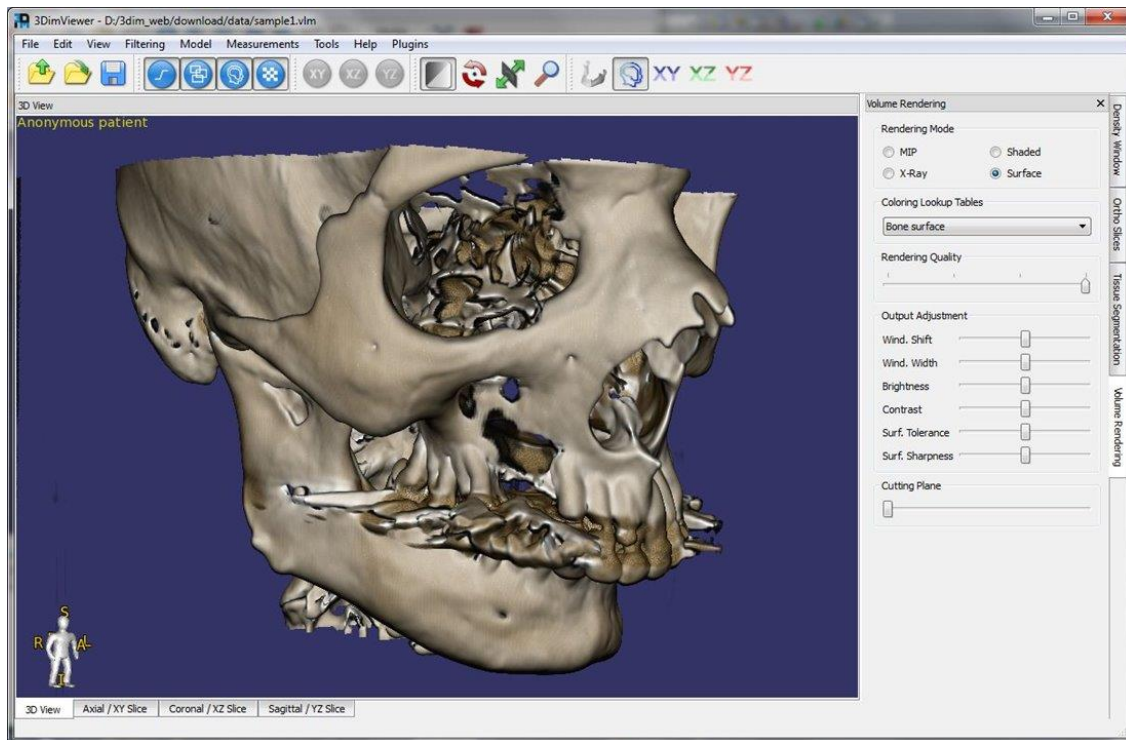
Window: splitview.tiff - [1024 x 512] (118.9%) | There are unconfigured variadic detectors! | Chamber Pressure: 5.0E-4 Pa







TESCAN 3DIM, s.r.o.



Platforma

Windows, C/C++, STL, OpenCV, 64-bit

Skripty

Python, Matlab, ...

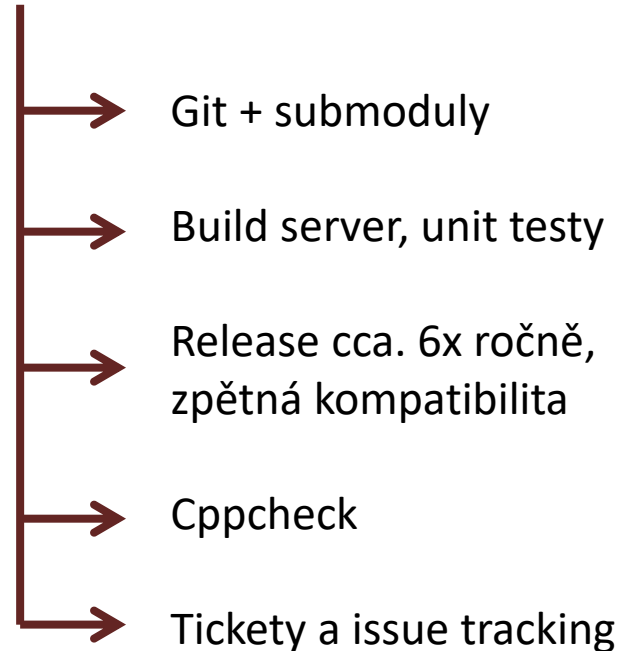
GUI

Qt, OpenGL

Networking

TCP/IP, HTTP, JSON

Continuous Integration



SME partner FI MU

Diplomové práce

Zpracování obrazu
3D modelování

Další partneři CZ

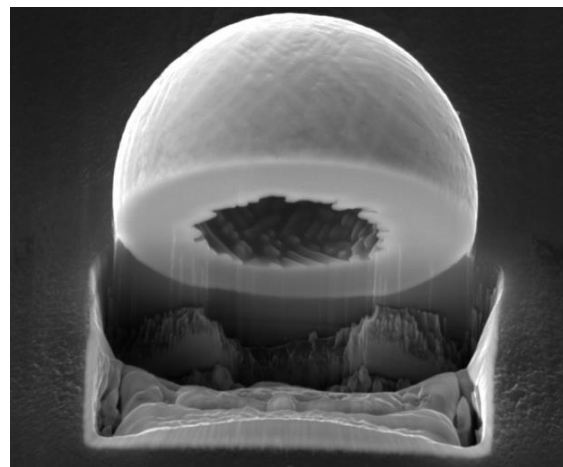
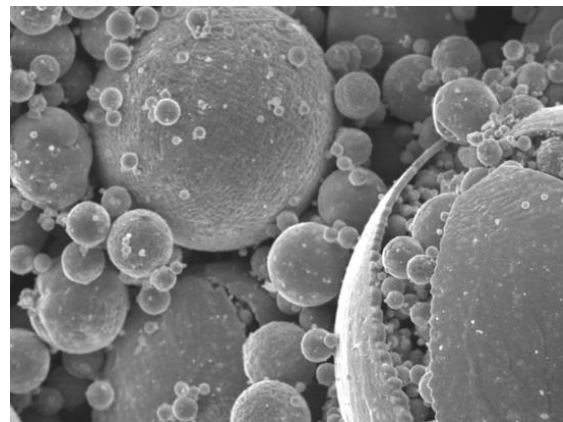
Ceitec

ON Semiconductor Rožnov

Ústav fyziky materiálů VUT

FIT VUT Brno

...





www.tescan.com

Jan Planer

jan.planer@tescan.com