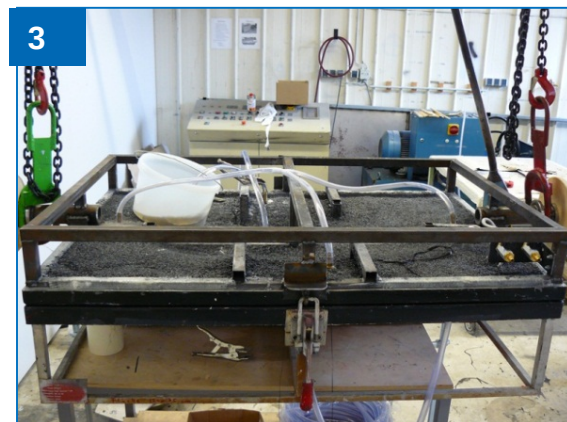
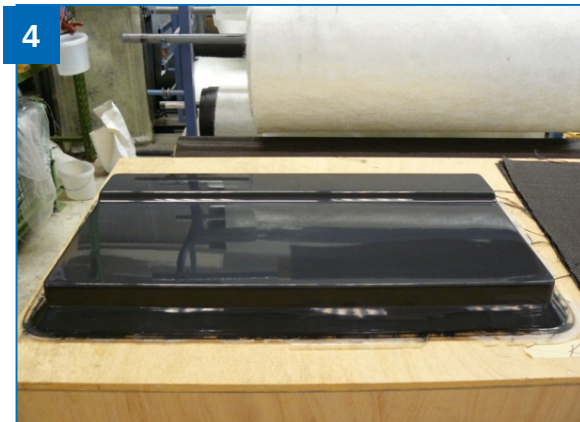
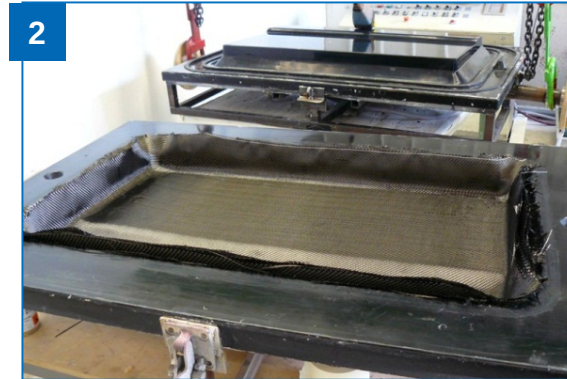
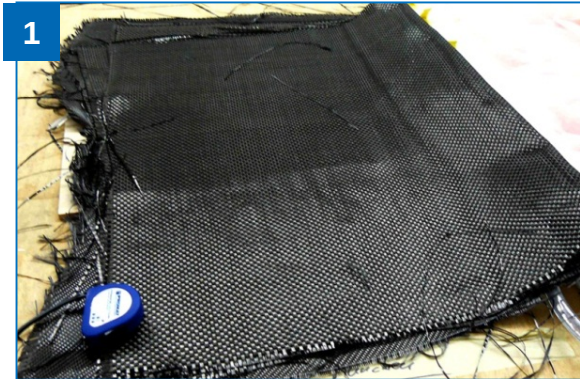
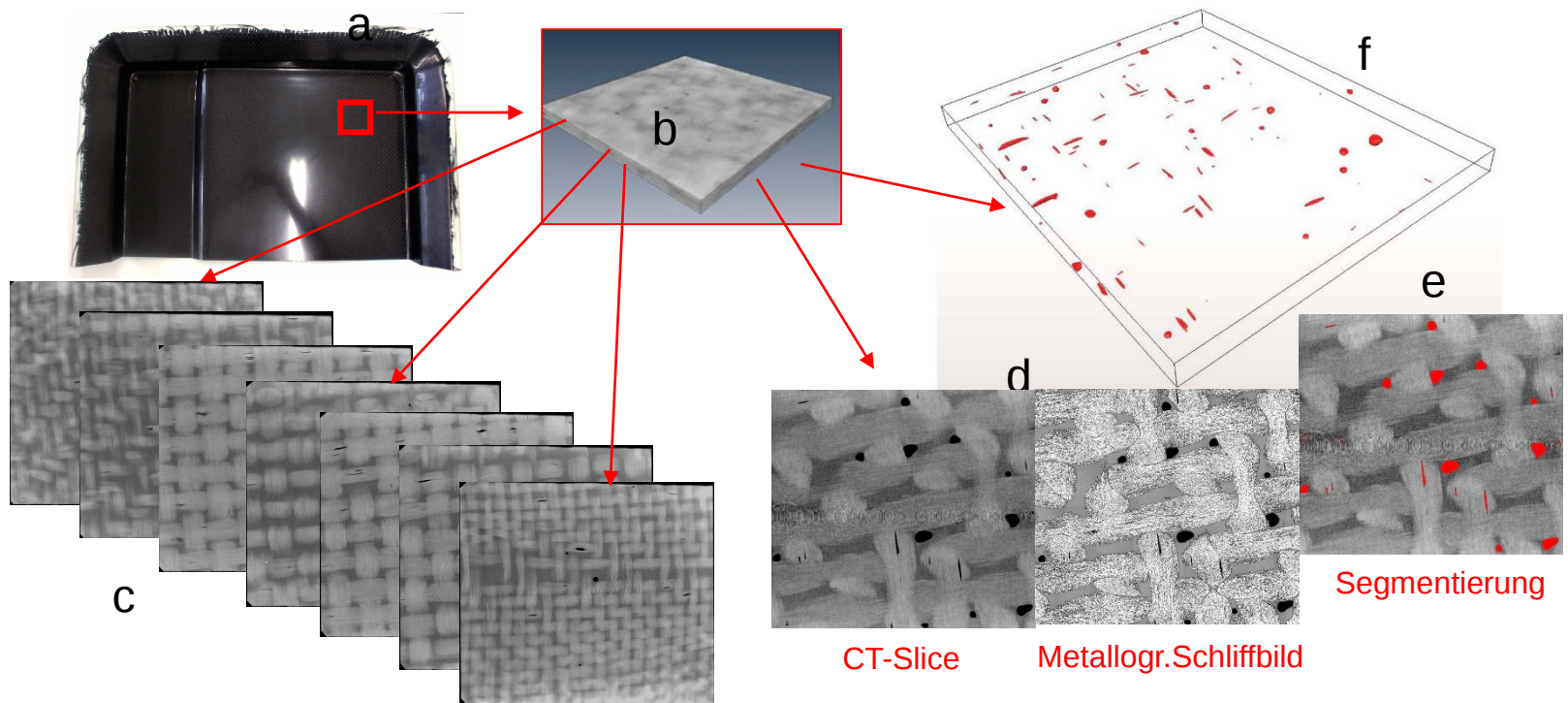




Schuhmacher, Ockert, Schmidt, Fartely, Schön: Auszüge aus Bachelorarbeiten



Abb

Röntgencomputertomografische Aufnahme einer Probe aus dem Automobilbau

a) aus dem Testbauteil entnommene Probe, Abmessungen 30mmx30mm

b) CT-Darstellung

c) virtuelle Schnittbilder (CT-Slices) aus unterschiedlichen Tiefenlagen, Voxelgröße 60 µm

d) Virtuelles Schnittbild (CT-Slice, Voxelgröße 10 µm) im Vergleich zum metallografischen Schliffbild

e) Segmentierung der Poren im CT-Slice mit 3-D-Bildanalyse

f) Darstellung der Volumenporosität, Voxelgröße 20 µm

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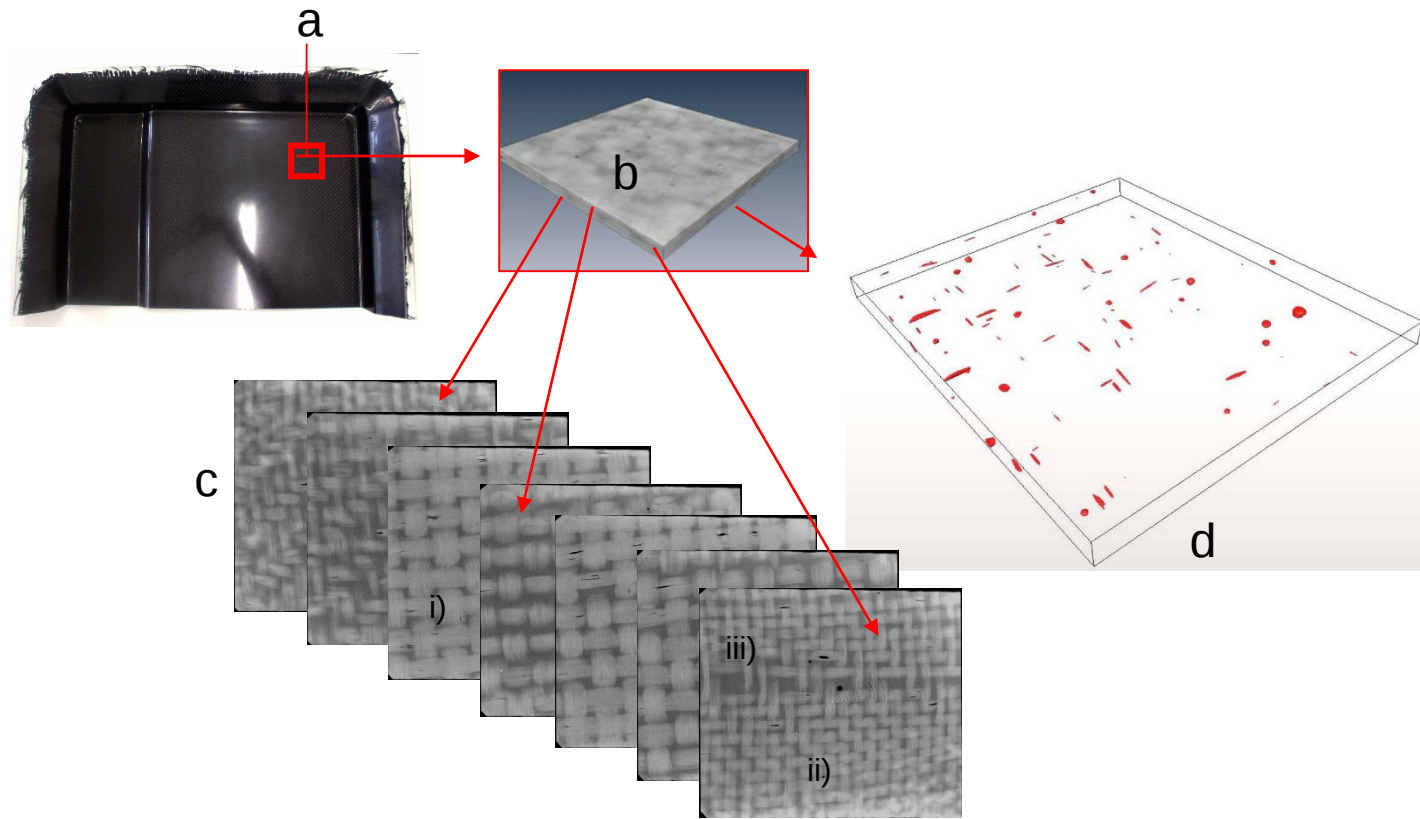
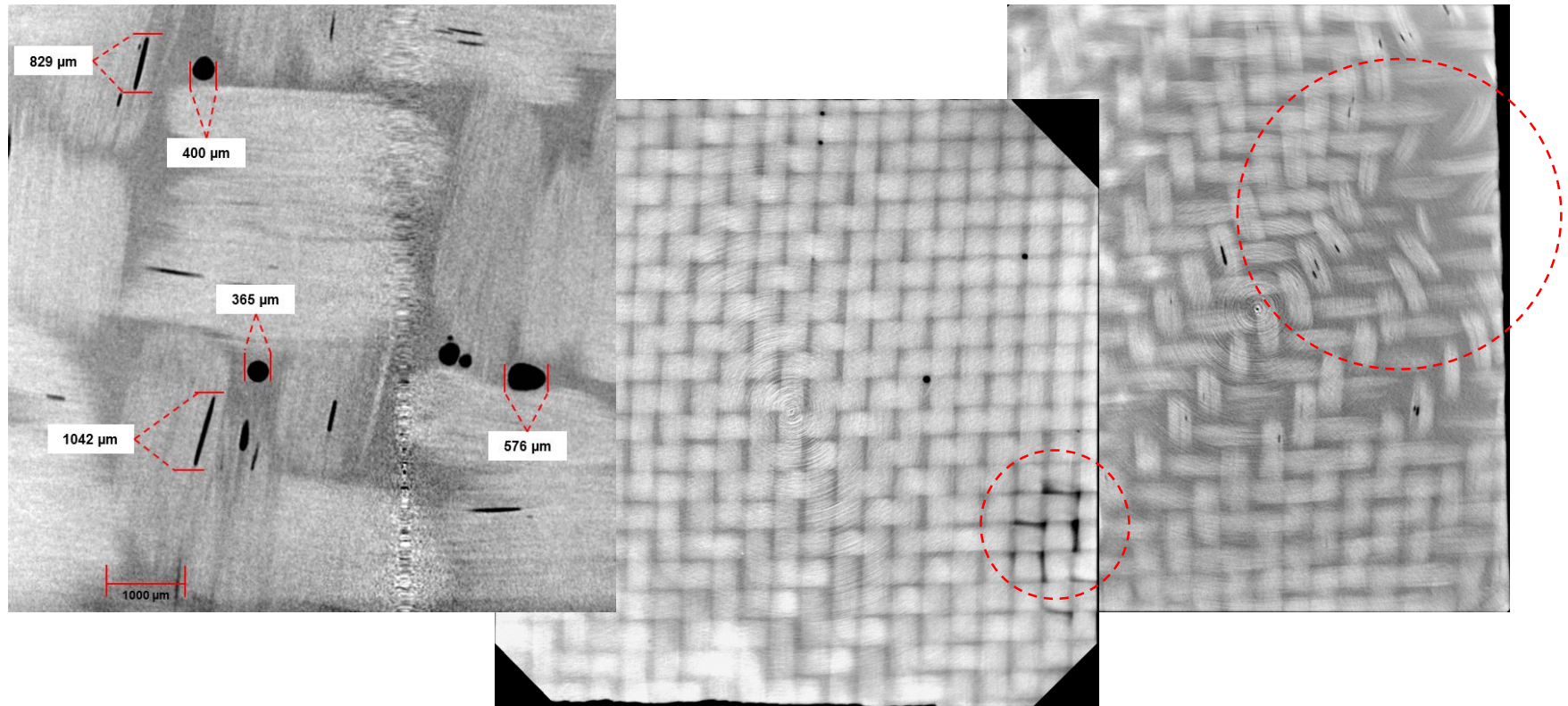
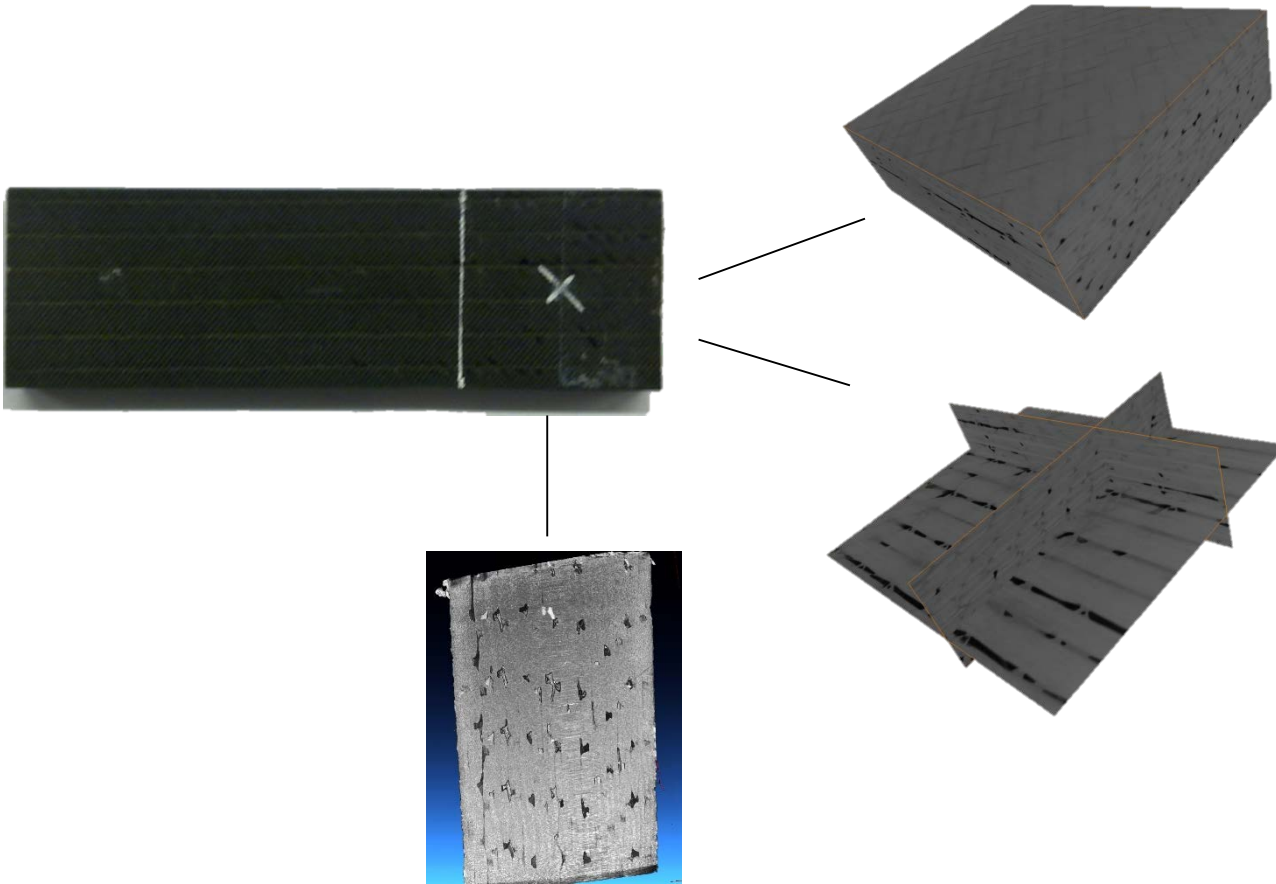


Abb. 2
 Röntgencomputertomografische Aufnahme einer Probe aus dem
 Automobilbau
 a) entnommene Probe, b) virtuelle Schnittbilder (CT-Slices) aus
 unterschiedlichen Tiefenlagen, c) Darstellung der
 Volumenporosität

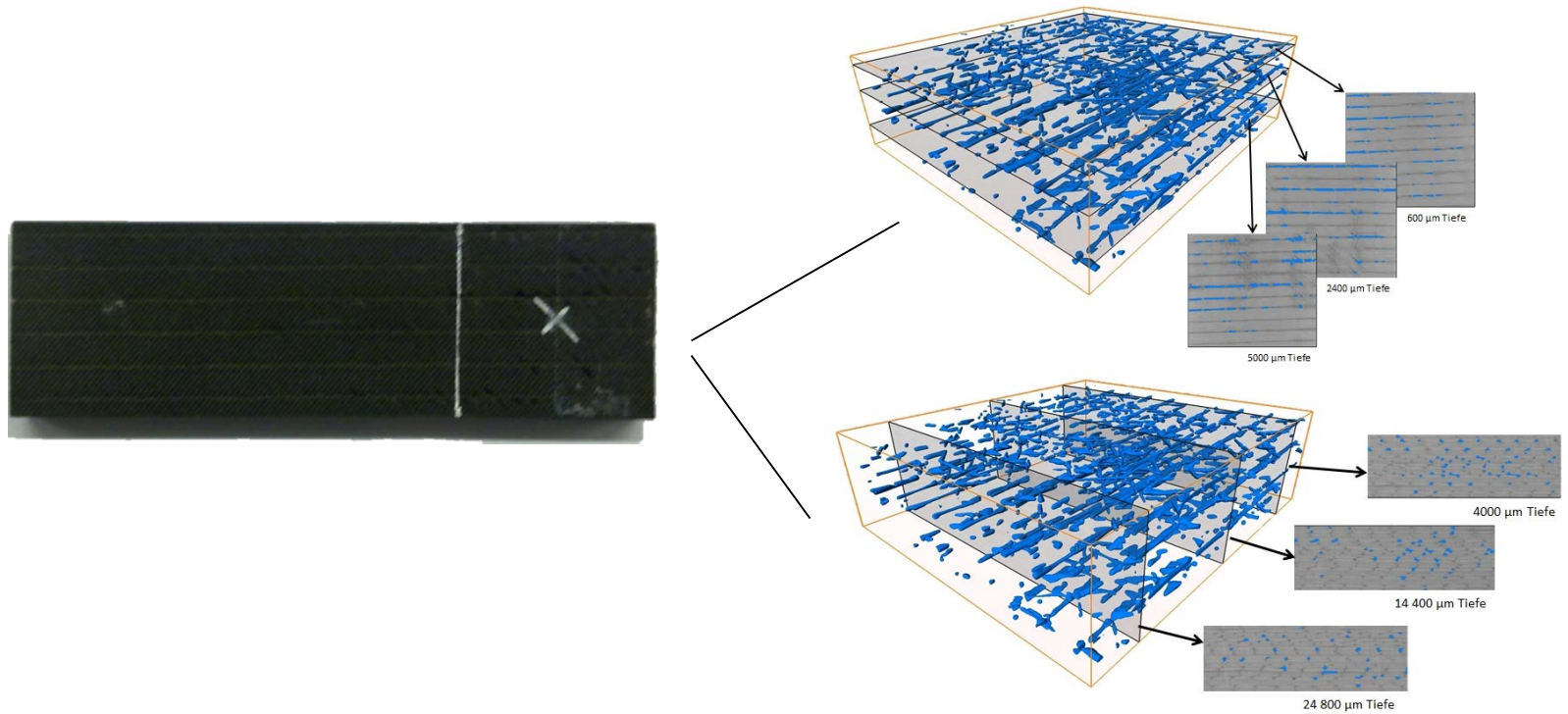
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3-D-Porendarstellung

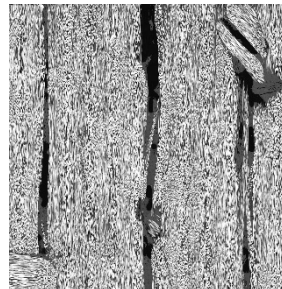
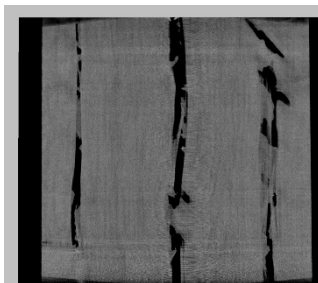
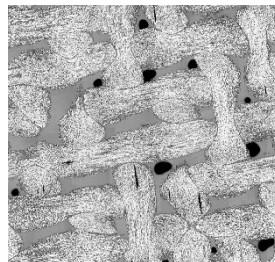
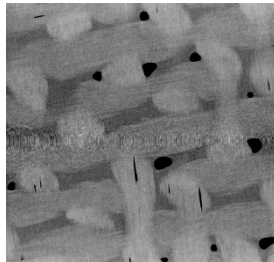
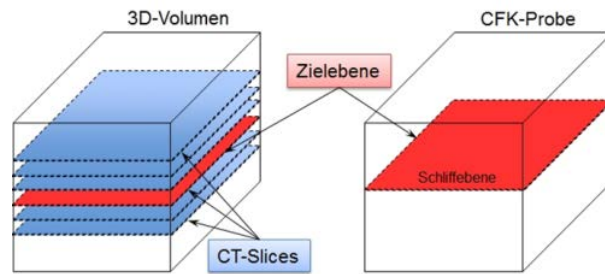




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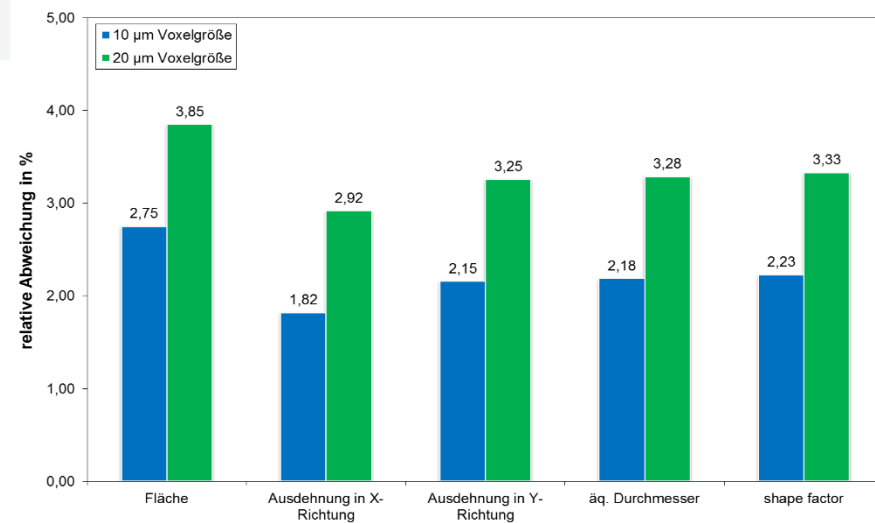
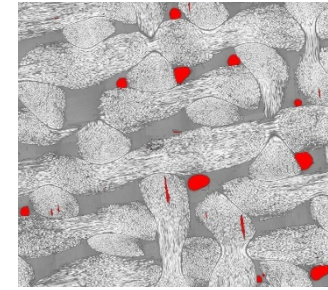
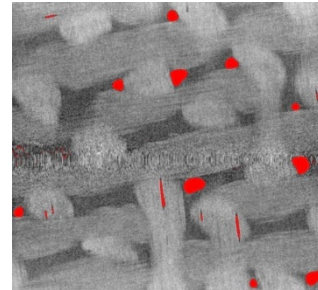
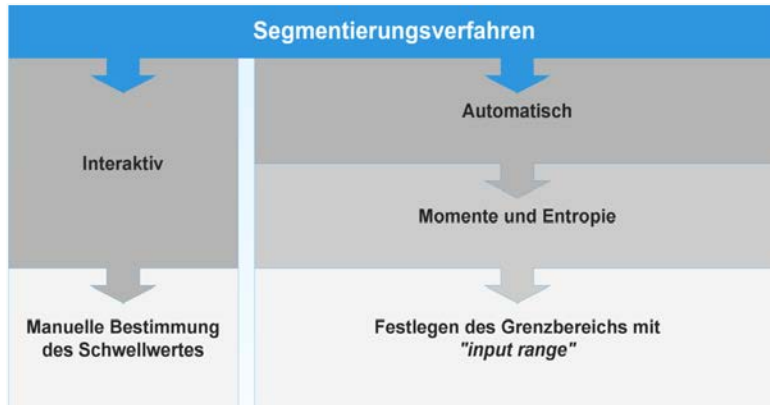


Schuhmacher, Ockert, Schmidt, Fartely, Schön: Auszüge aus Bachelorarbeiten

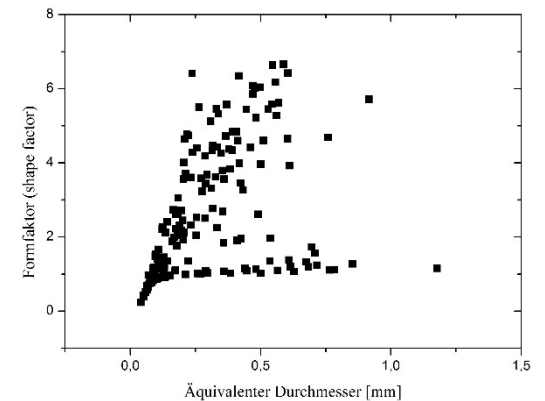
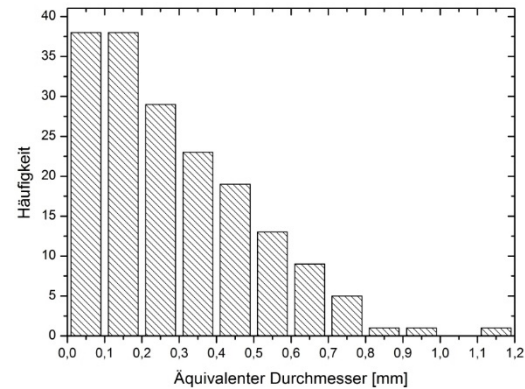
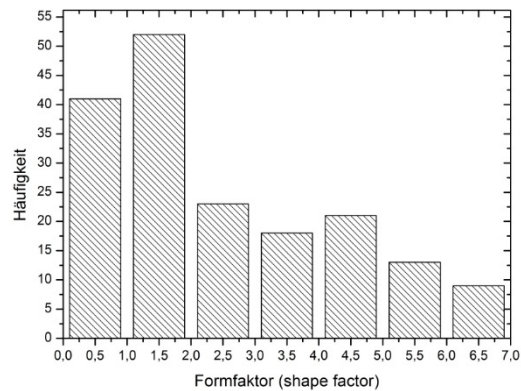
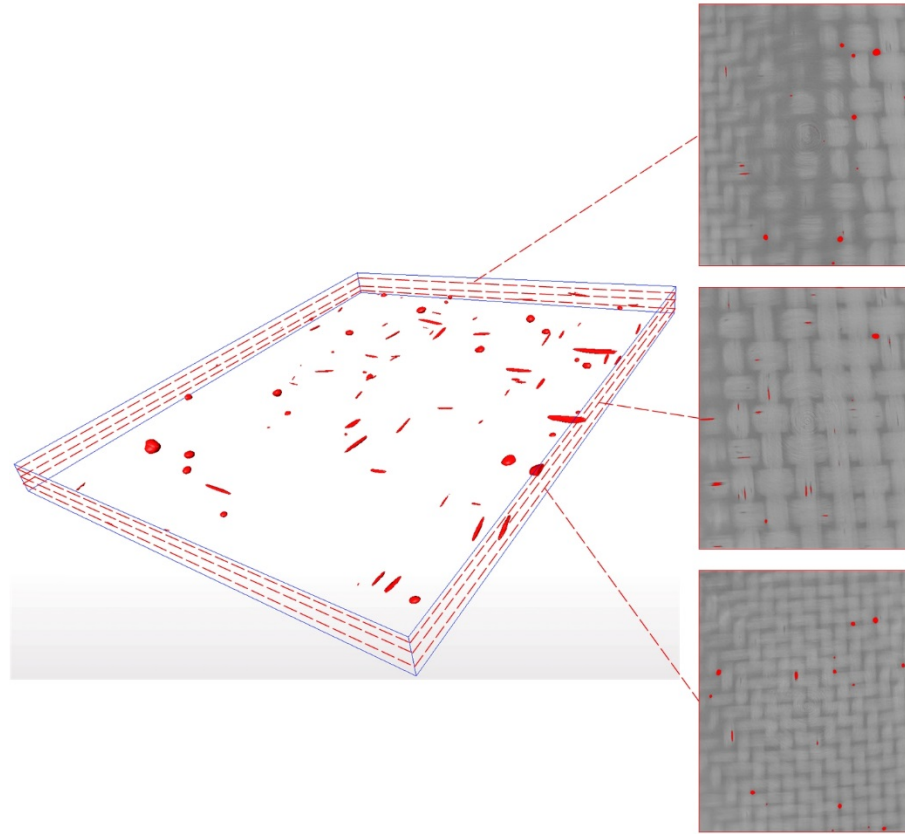


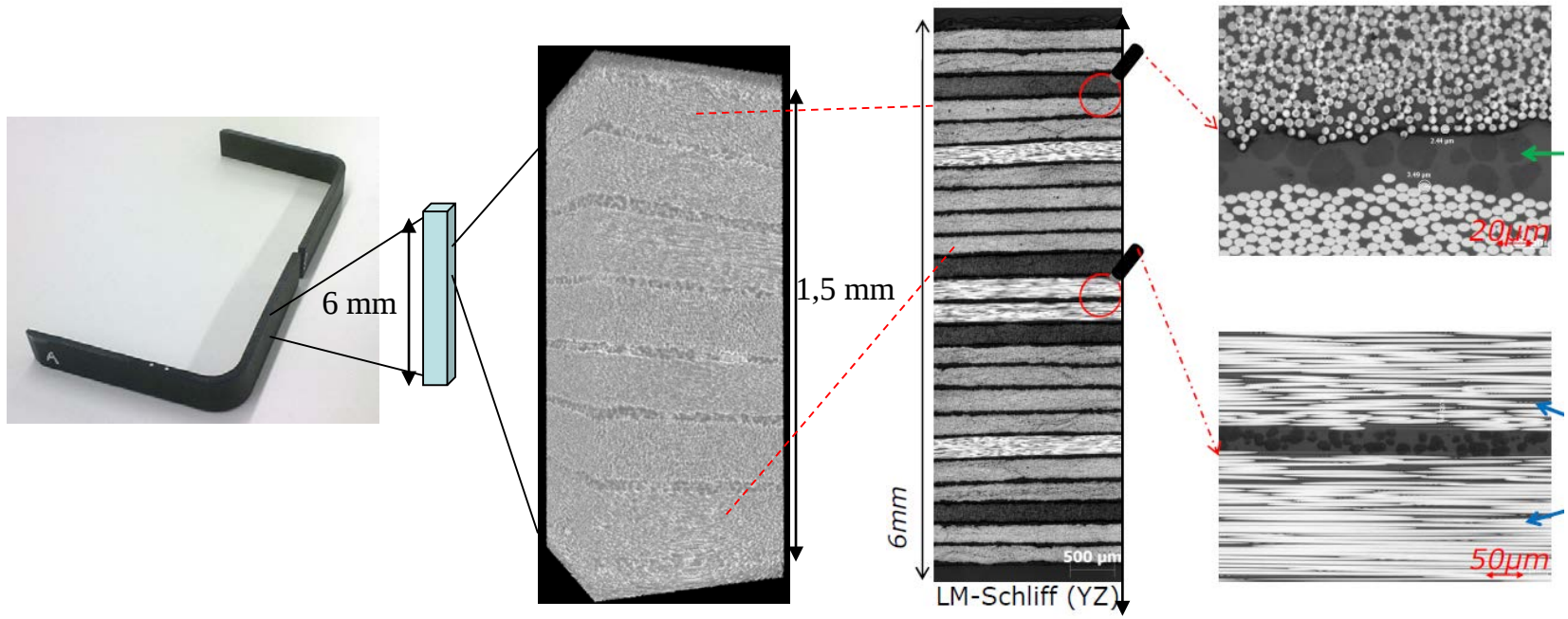
Schuhmacher, Ockert, Schmidt, Fartely, Schön: Auszüge aus Bachelorarbeiten

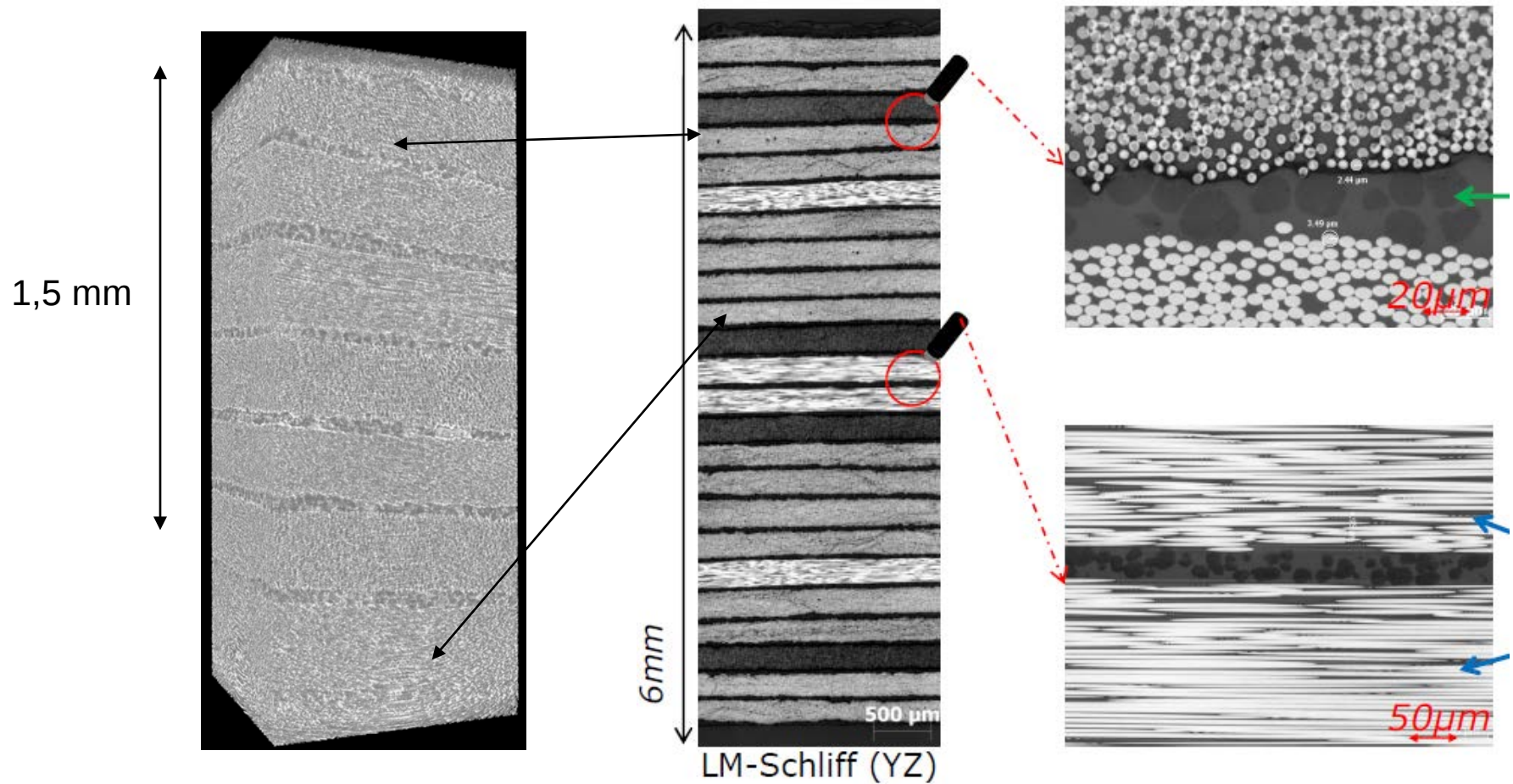
Quantitative Bestimmung von Fehlstellen, Schwerpunkt Porosität

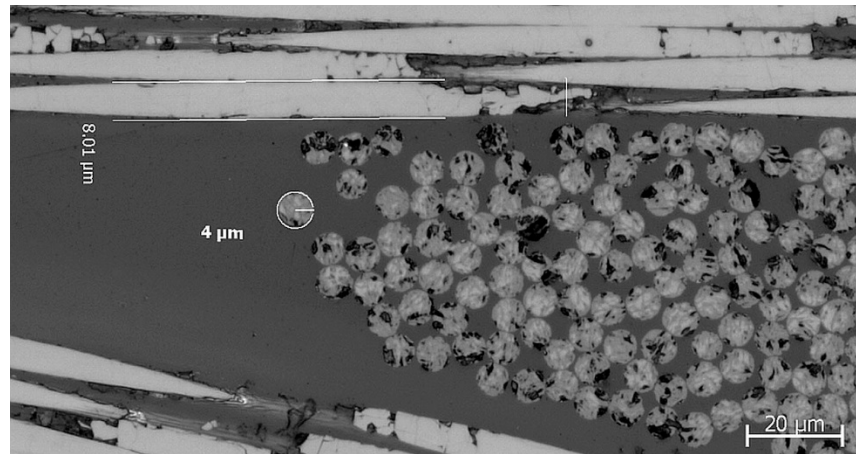
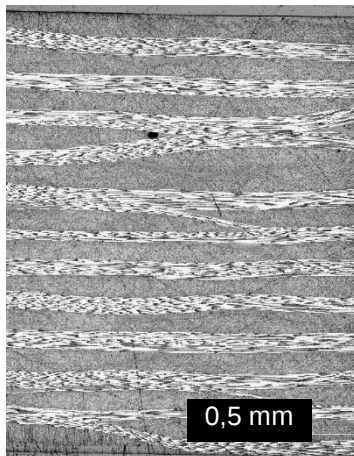
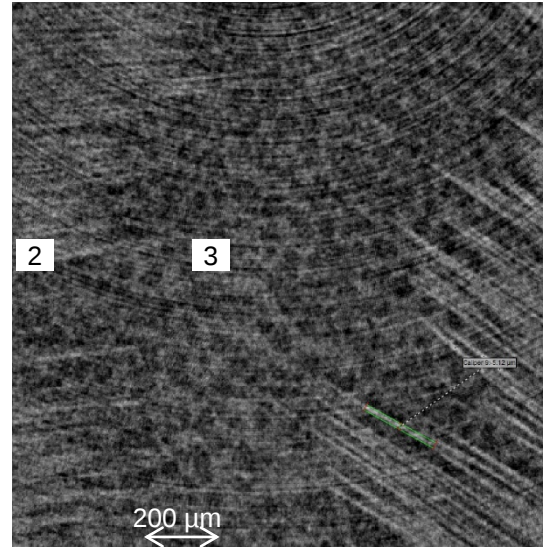
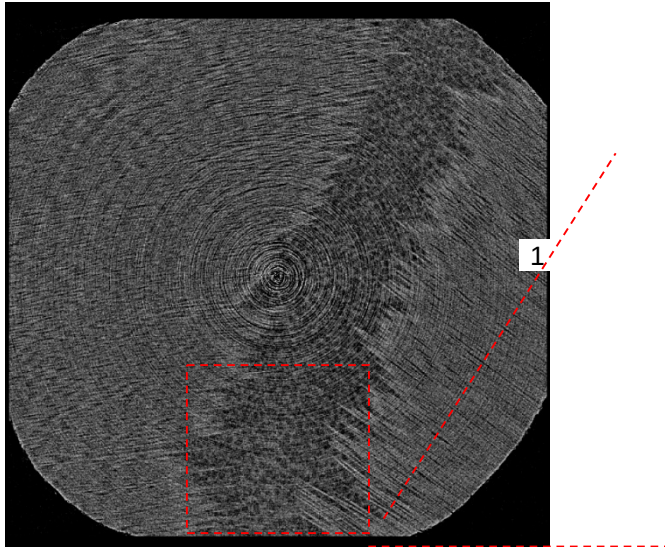


Quantitative Bestimmung von Fehlstellen, Schwerpunkt Porosität









Schuhmacher, Ockert, Schmidt, Fartely, Schön: Auszüge aus Bachelorarbeiten