

Additive Fertigungsverfahren (AM)

Fertigung metallischer Bauteile mit Laser-Strahlschmelzen

Concept Laser, Mlab

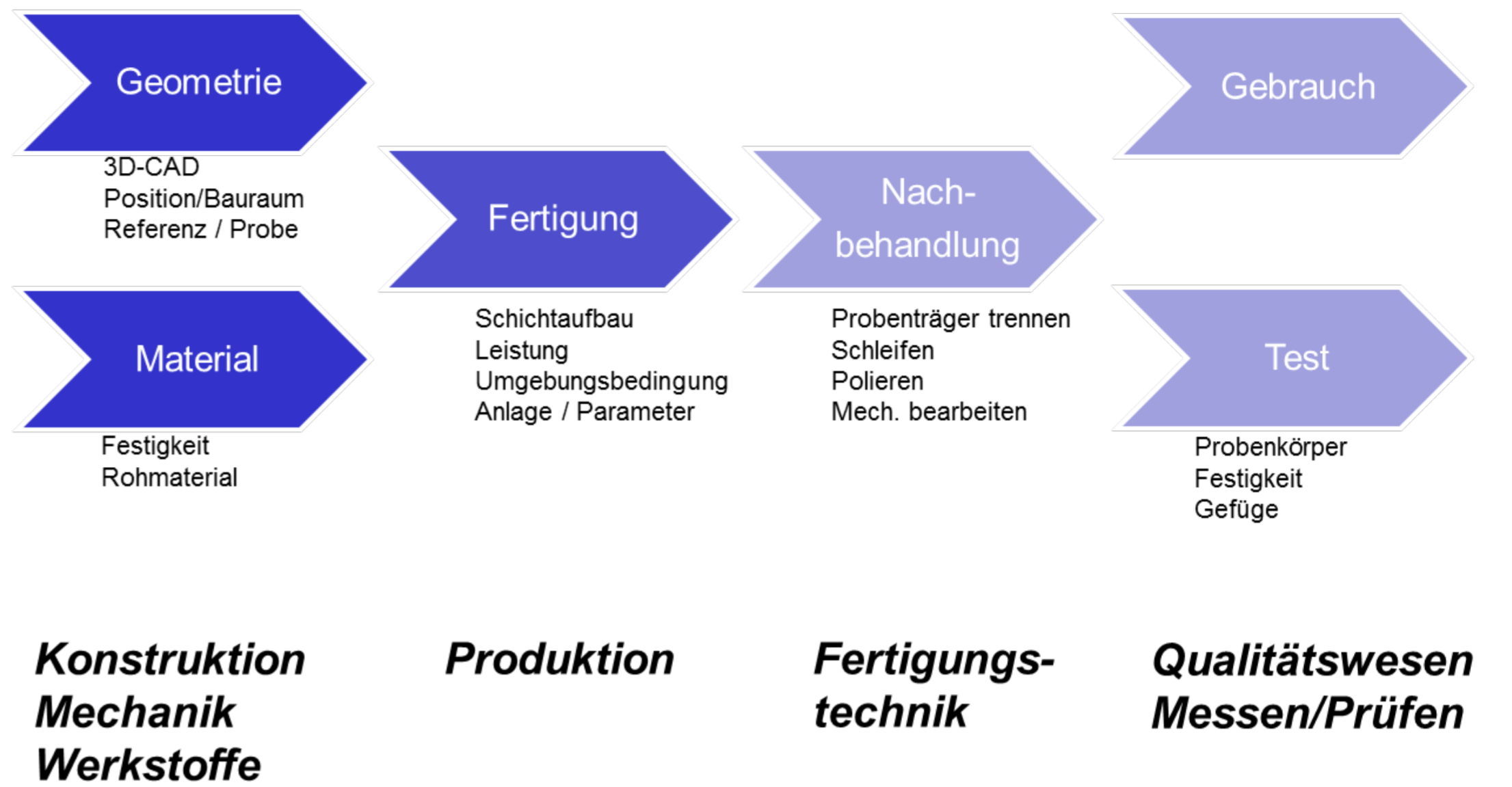
LaserCUSING®

90 x 90 x 80 mm³ (x,y,z)



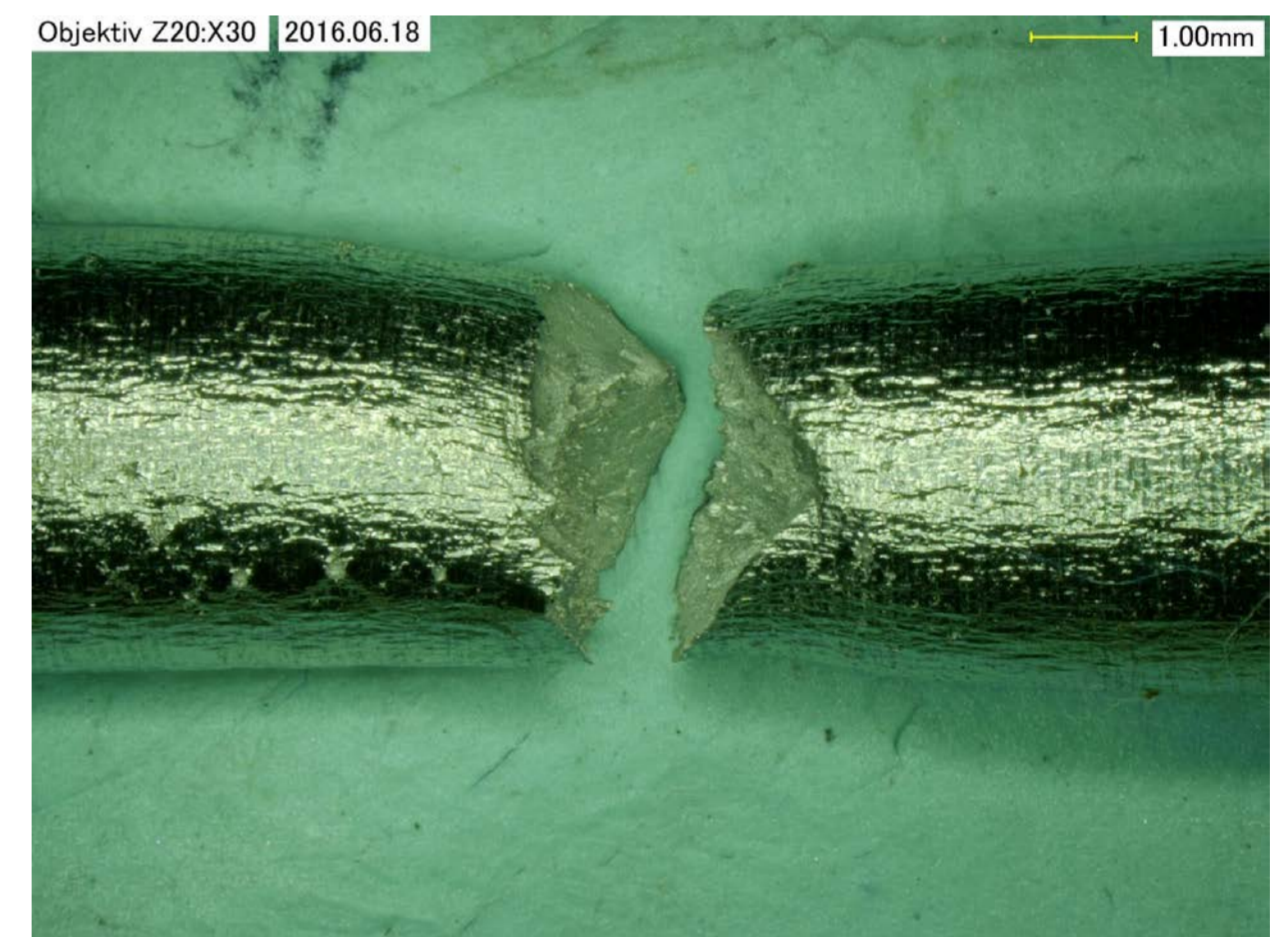
besuchen Sie uns:
AMX Messe Luzern
Halle 2, Stand F2210

Prozesskette / Ingenieursdisziplinen / Ausbildung



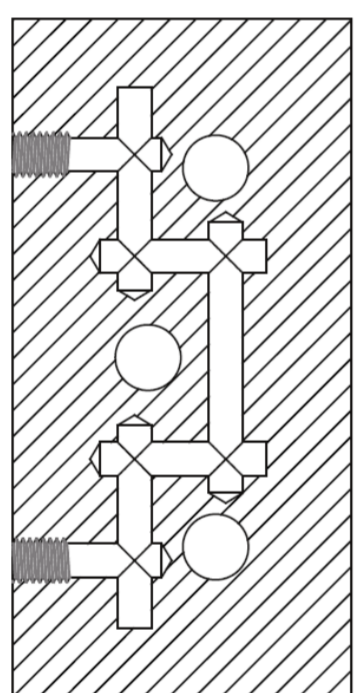
Material (*mit Schutzgas)

Stahl	1.4404 nichtrostend 1.2709 Warmarbeitsstahl
Aluminium*	AISI12 AISI10
Titan*	Ti6Al4V

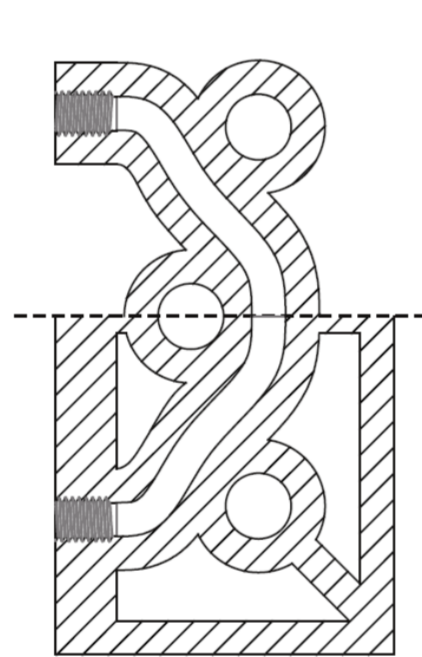


Zugprobe, 1.4404

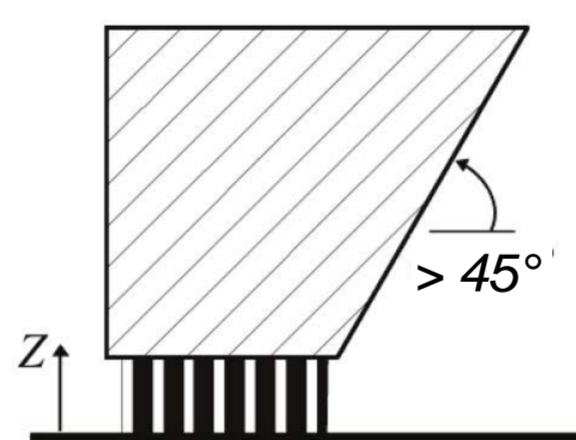
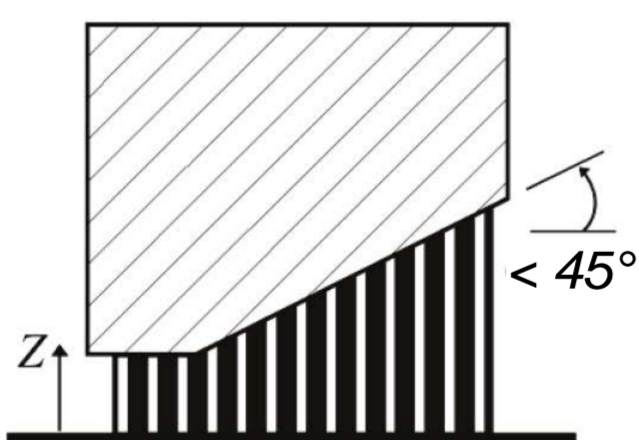
schlecht



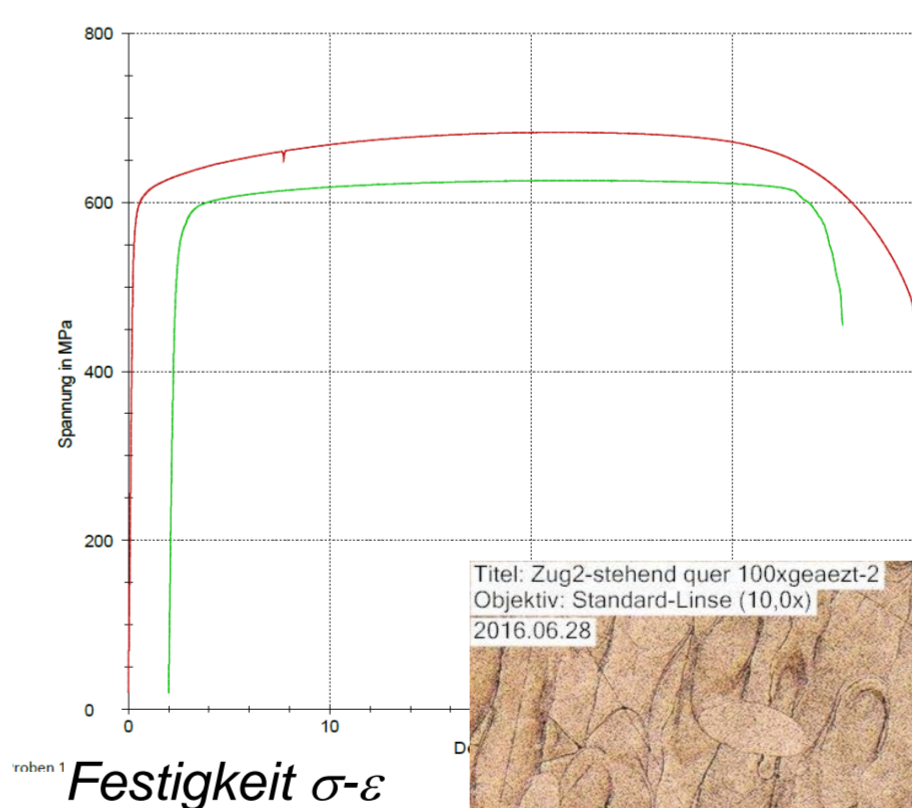
gut



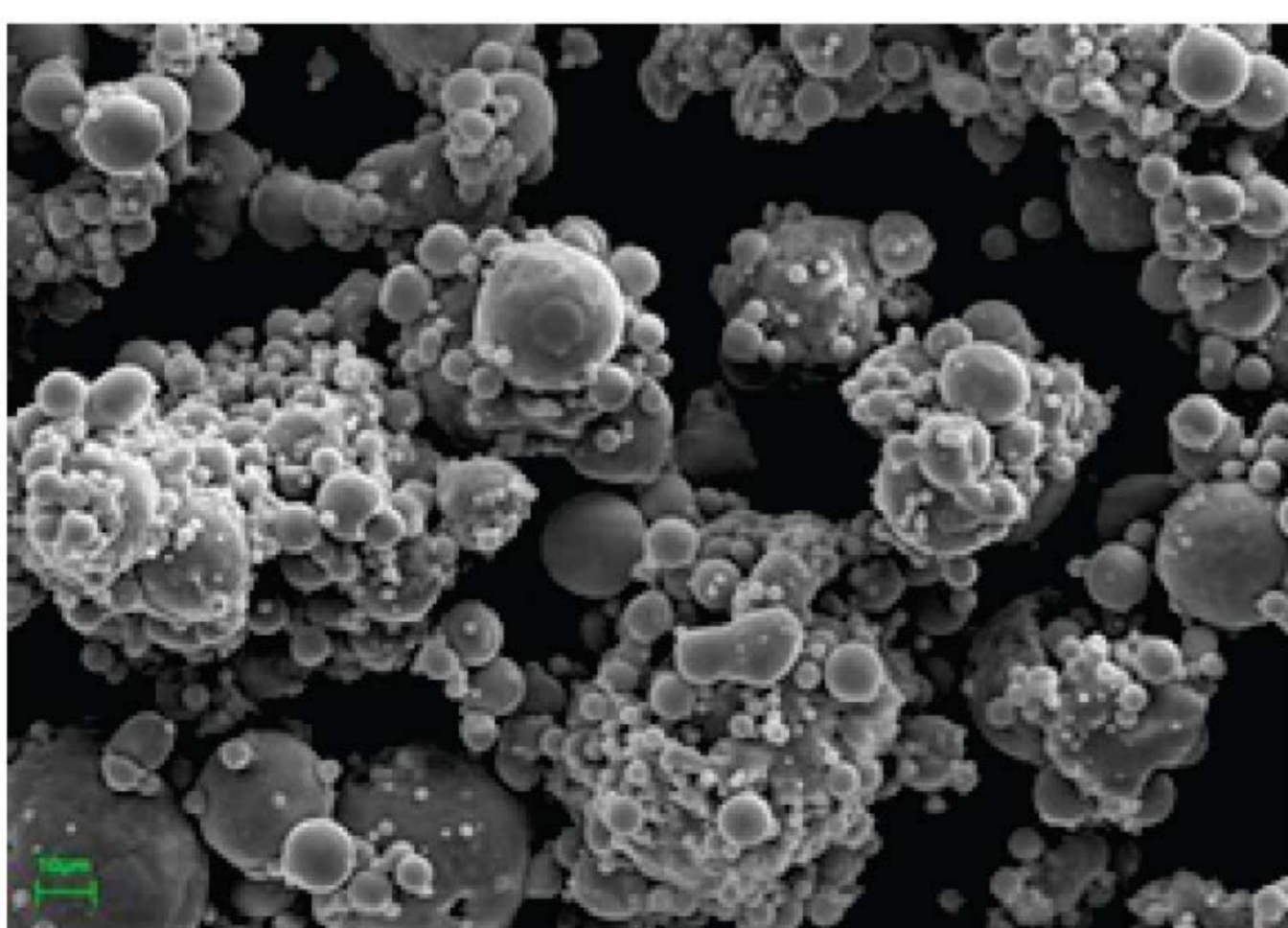
neue konstruktive
Möglichkeiten, VDI-3405



neue Konstruktionsregeln
Stützwinkel/-strukturen



Schliffbild (geätzt)



REM von Metallpulver
Quelle: BMW