INDTECH2018

Innovative industries for smart growth

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Session 2.3

Early upstream collaboration selecting materials, processes and the design approach to get the best product

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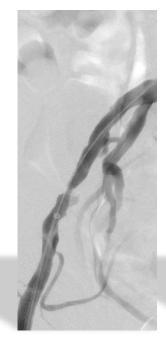
Role of design

"Form follows function"

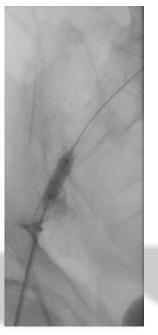
-Louis Sullivan, 1896



Source: NeuroNews, January 2017



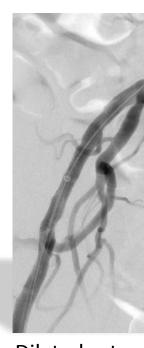
Stenosis



Stent with balloon



Dilated stent



Dilated artery







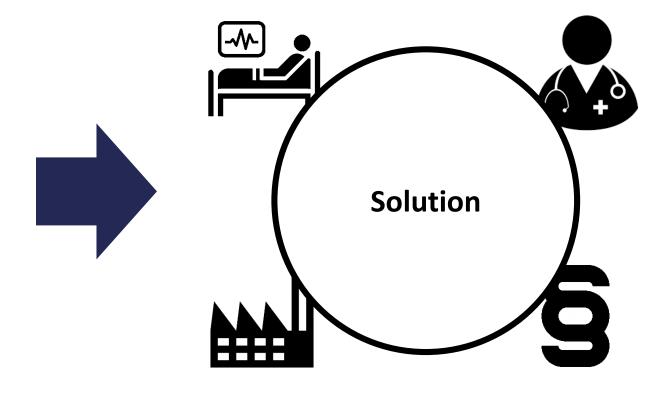




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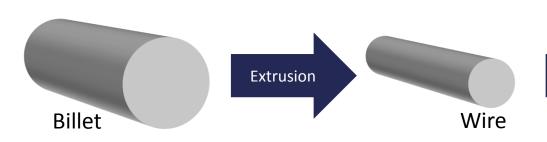
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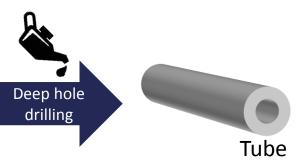


Feed stock material

- Final shape is produced by laser cutting
- Feed stock material are tubes
 - Outer diameter: 1.5 4.5 mm
 - Wall thickness: 0.3 0.5 mm

Conventional production route









Feed stock for stents





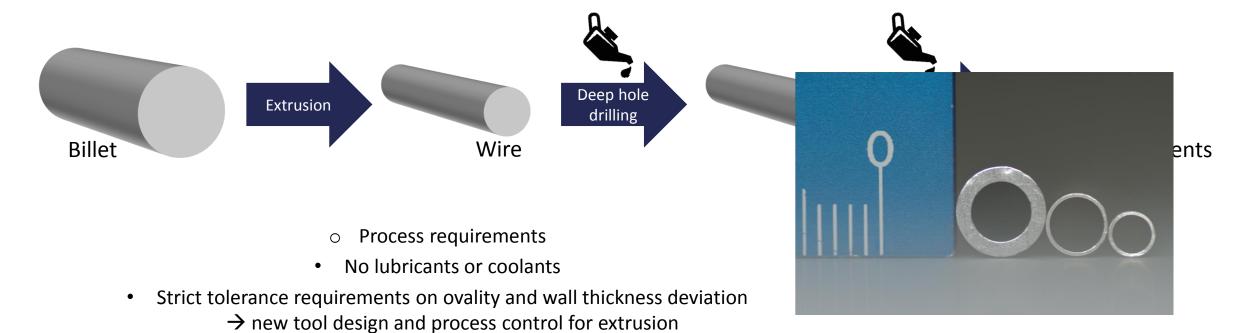








New production route for Magnesium stents

















Thank you for your attention

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