# Ceramic Profile Extrusion; New Tooling Approaches to Re-Appropriate the Use of a Heritage Medium in Architecture

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### Center for Fine Print Research University of the West of England, Bristol

Project funded by an AHRC Leadership Fellow award 24 month initial funding, reporting on interim findings





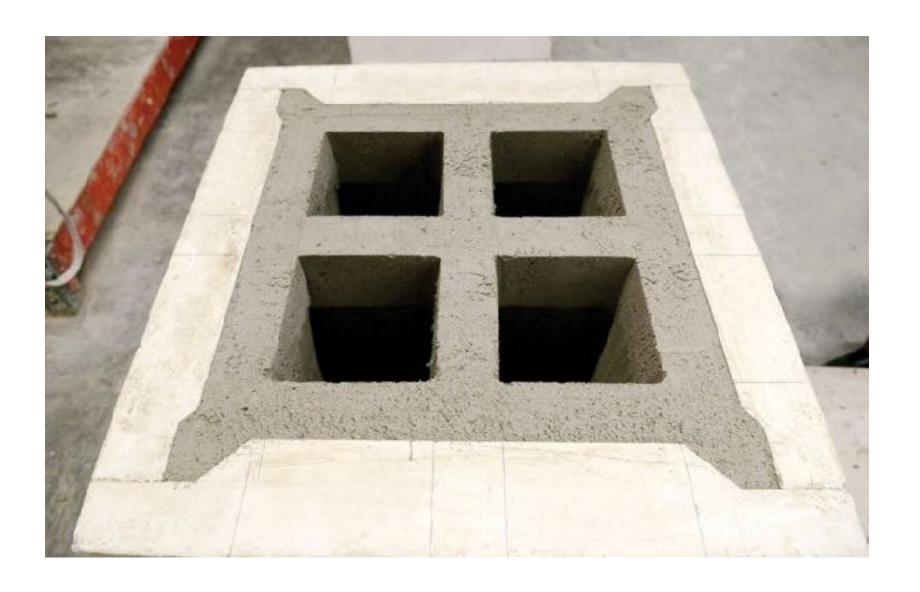


# ceramics in architecture: our heritage









Press Moulding (by hand)



Slipcasting



Die Pressing (mechanical)

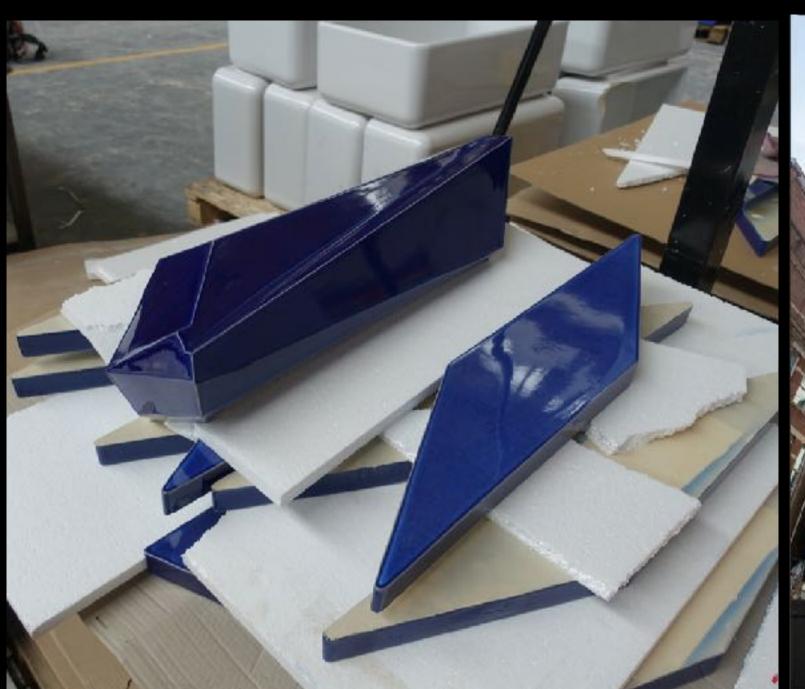


**Extrusion** 

Images: Boston Valley Terra Cotta

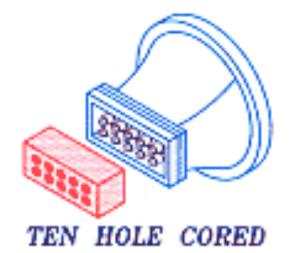


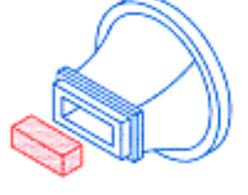




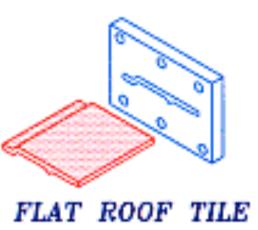






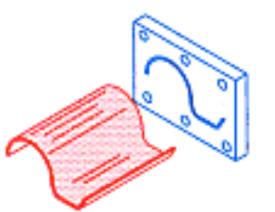




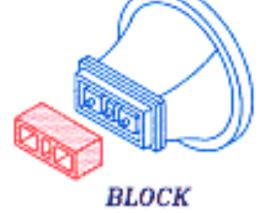








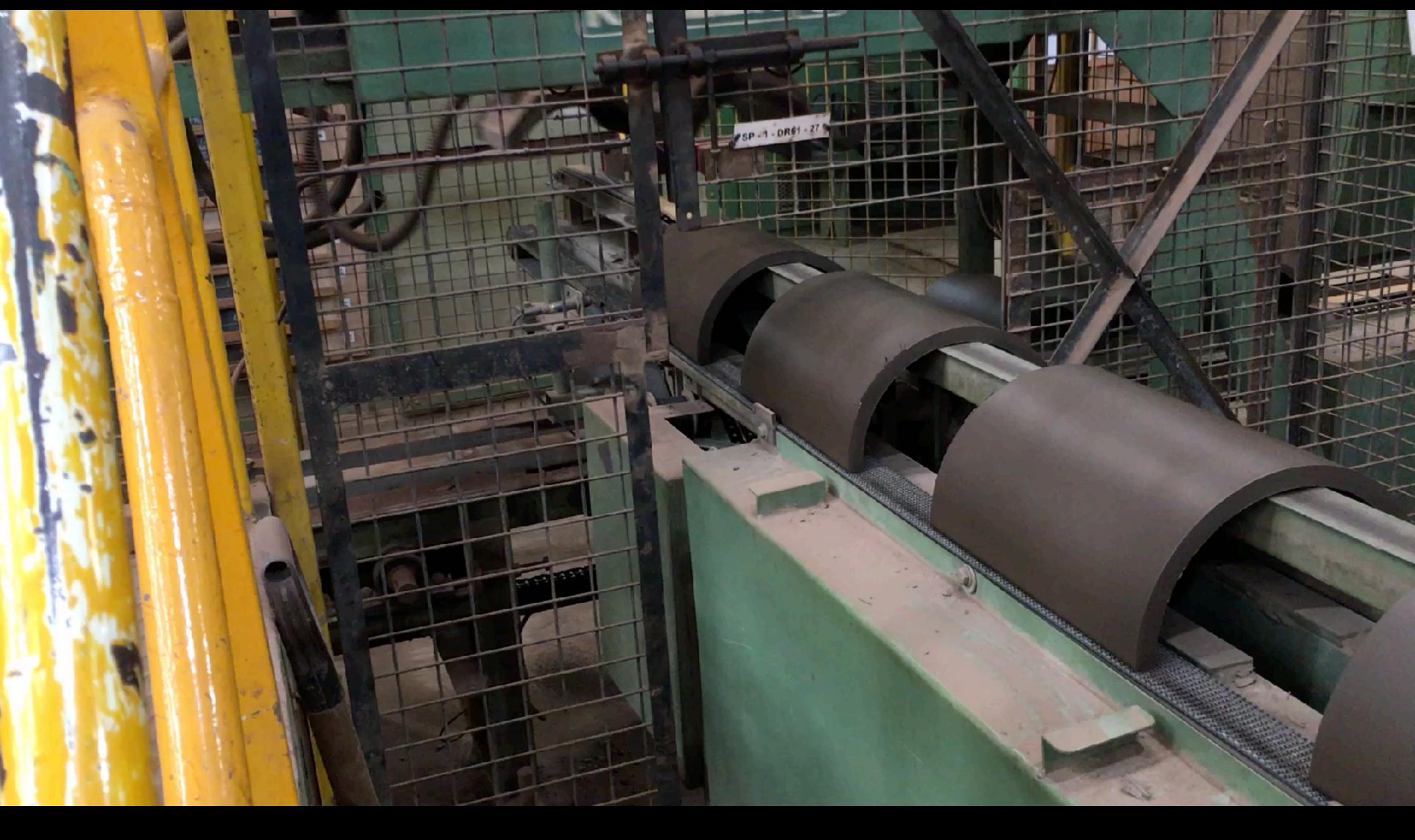




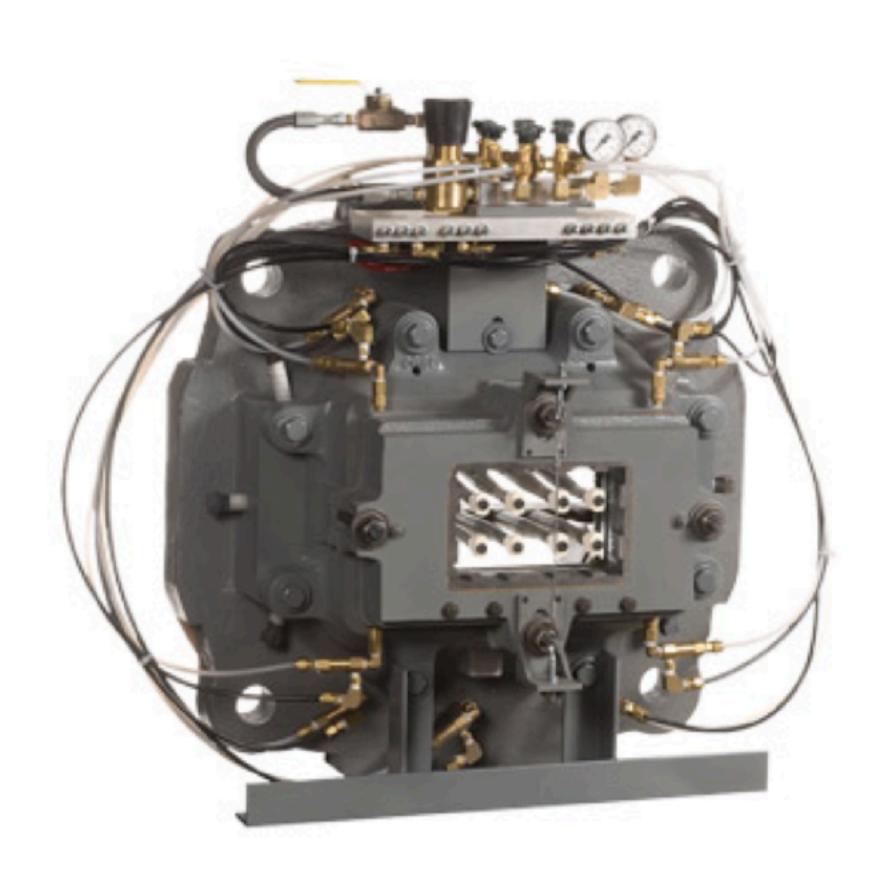
FLAT "S" TILE



Ridge tile production, Wienerberger Sandtoft site

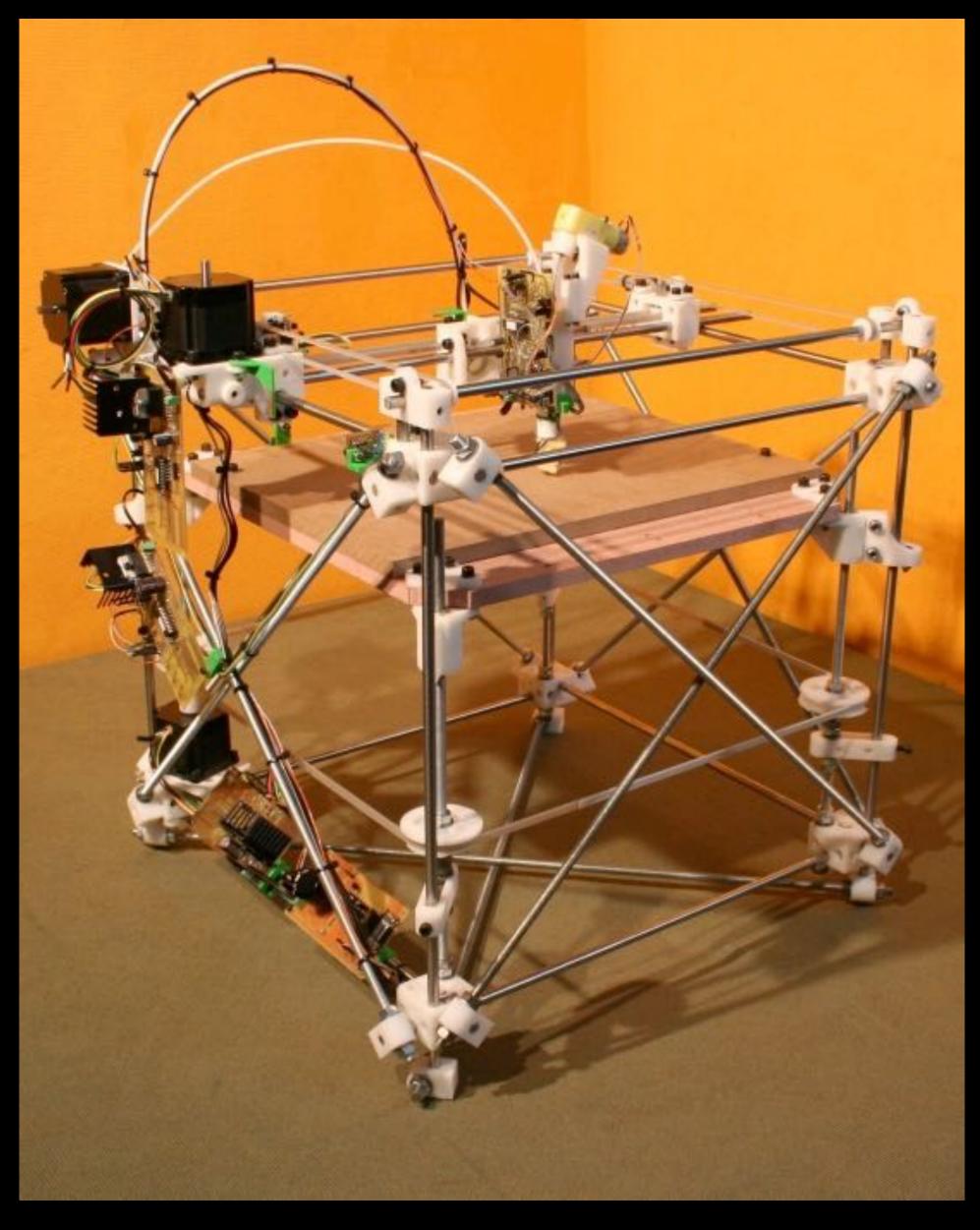


Ridge tile production, Wienerberger Sandtoft site

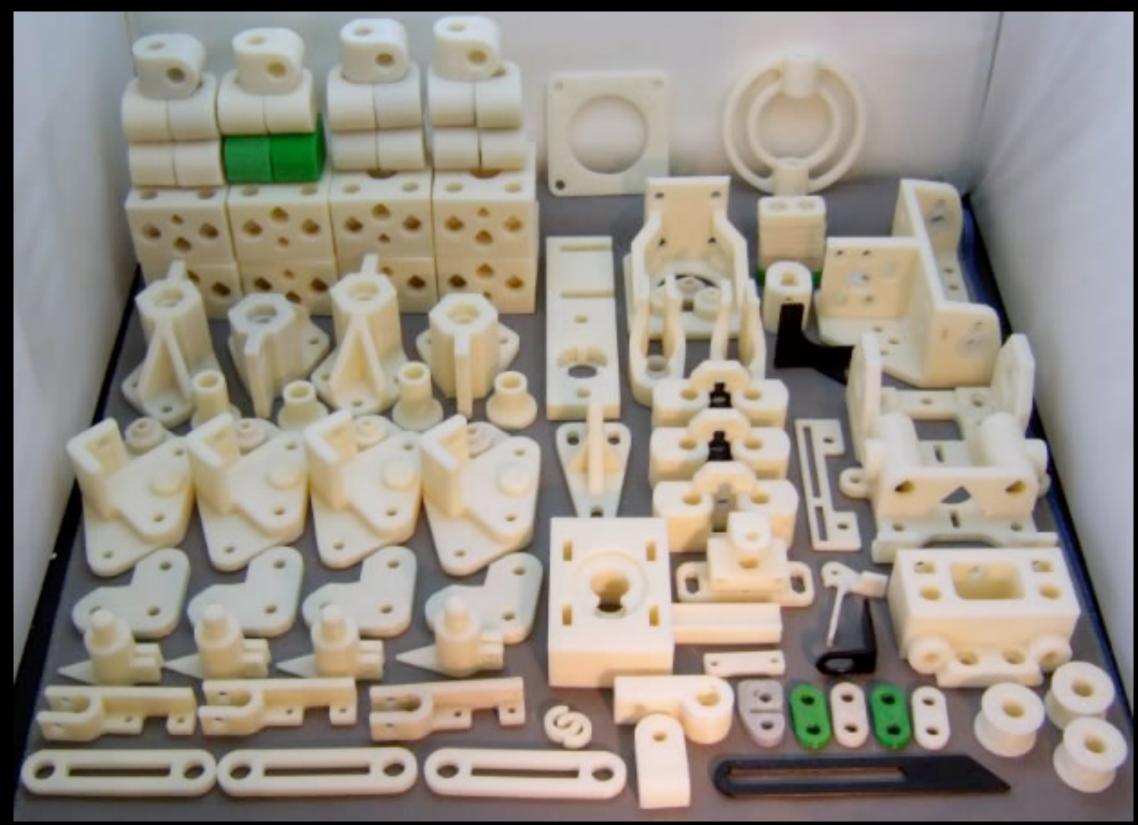




Extrusion Dies



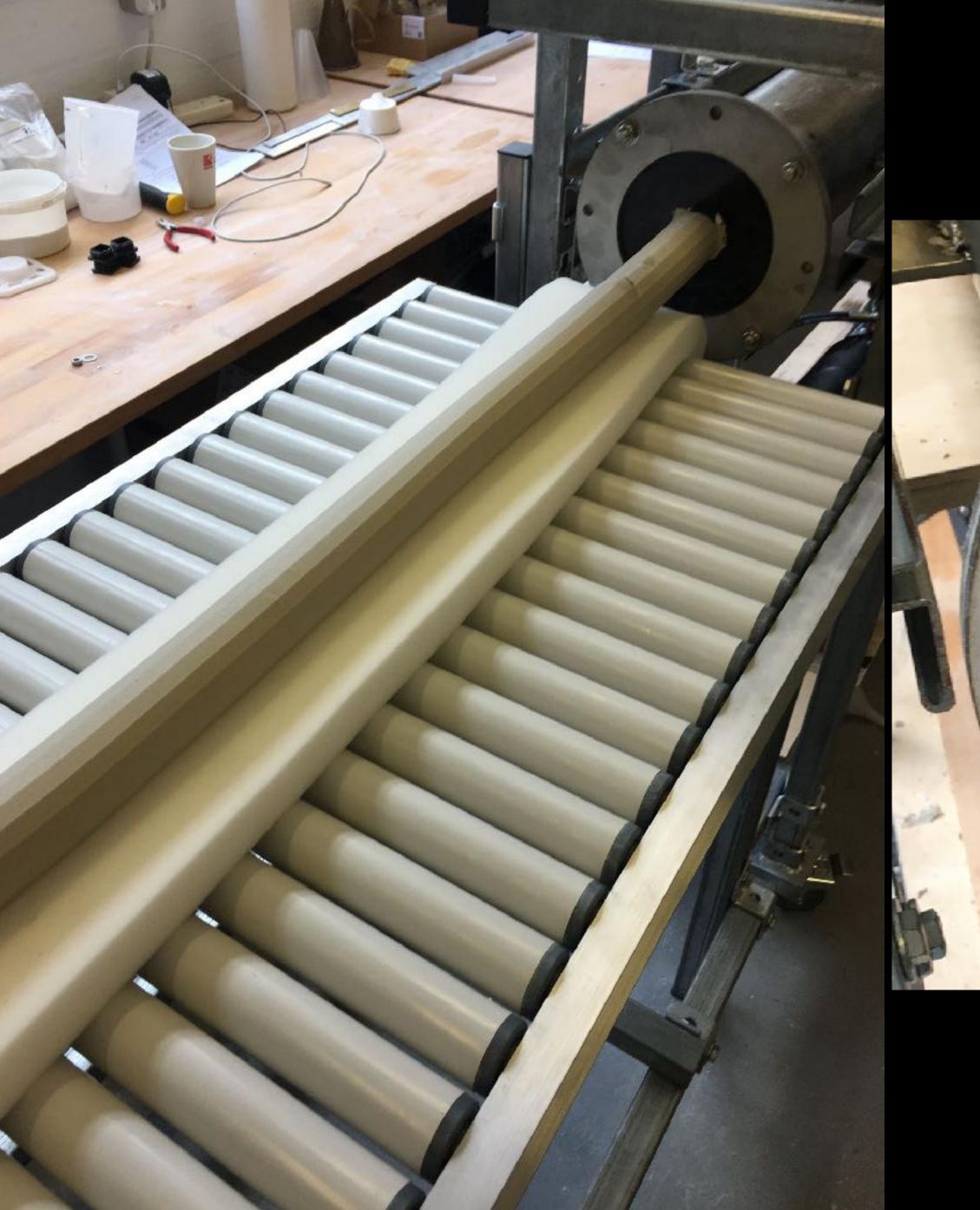
### 3D Printing: New Industrial Revolution

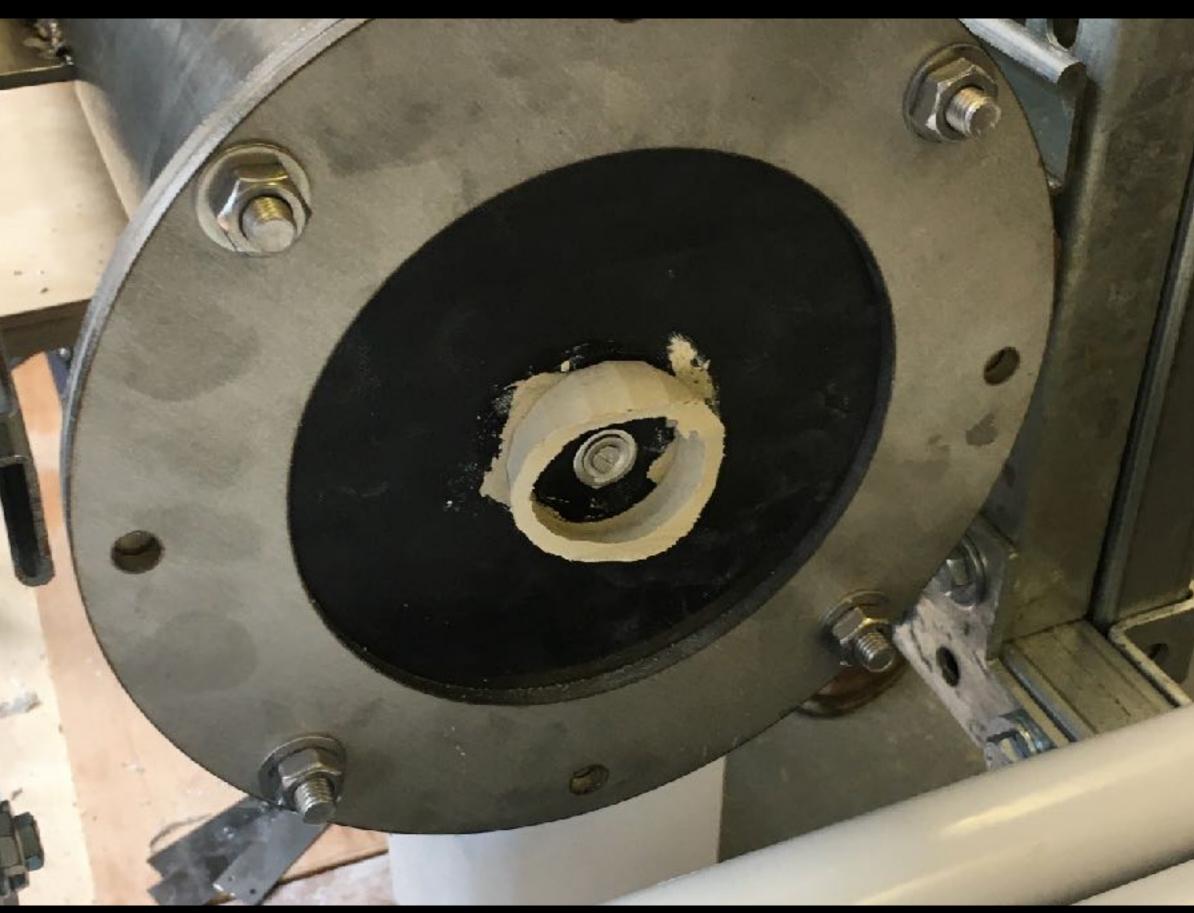


The REPRAP - open source Rapid Prototyping Project Andrian Bowyer, University of Bath 2006











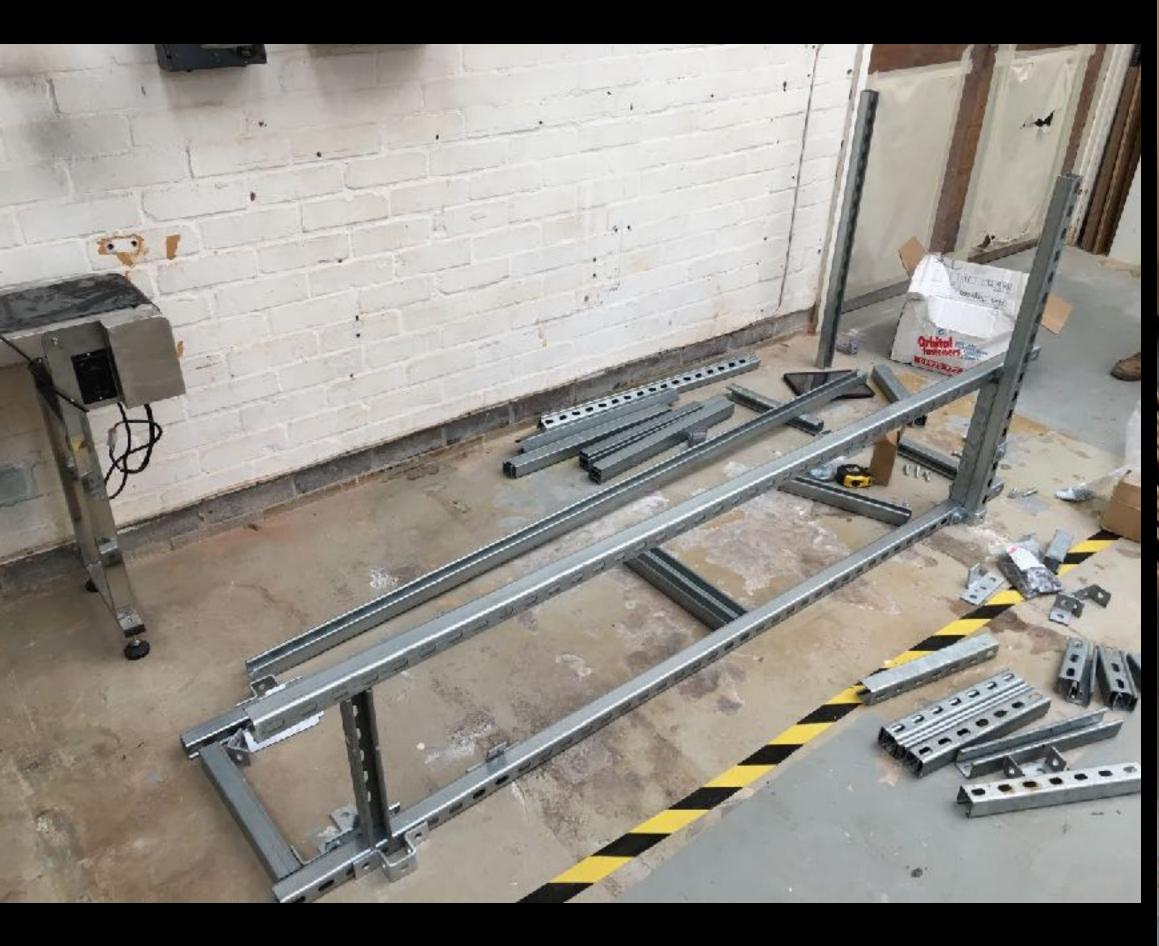








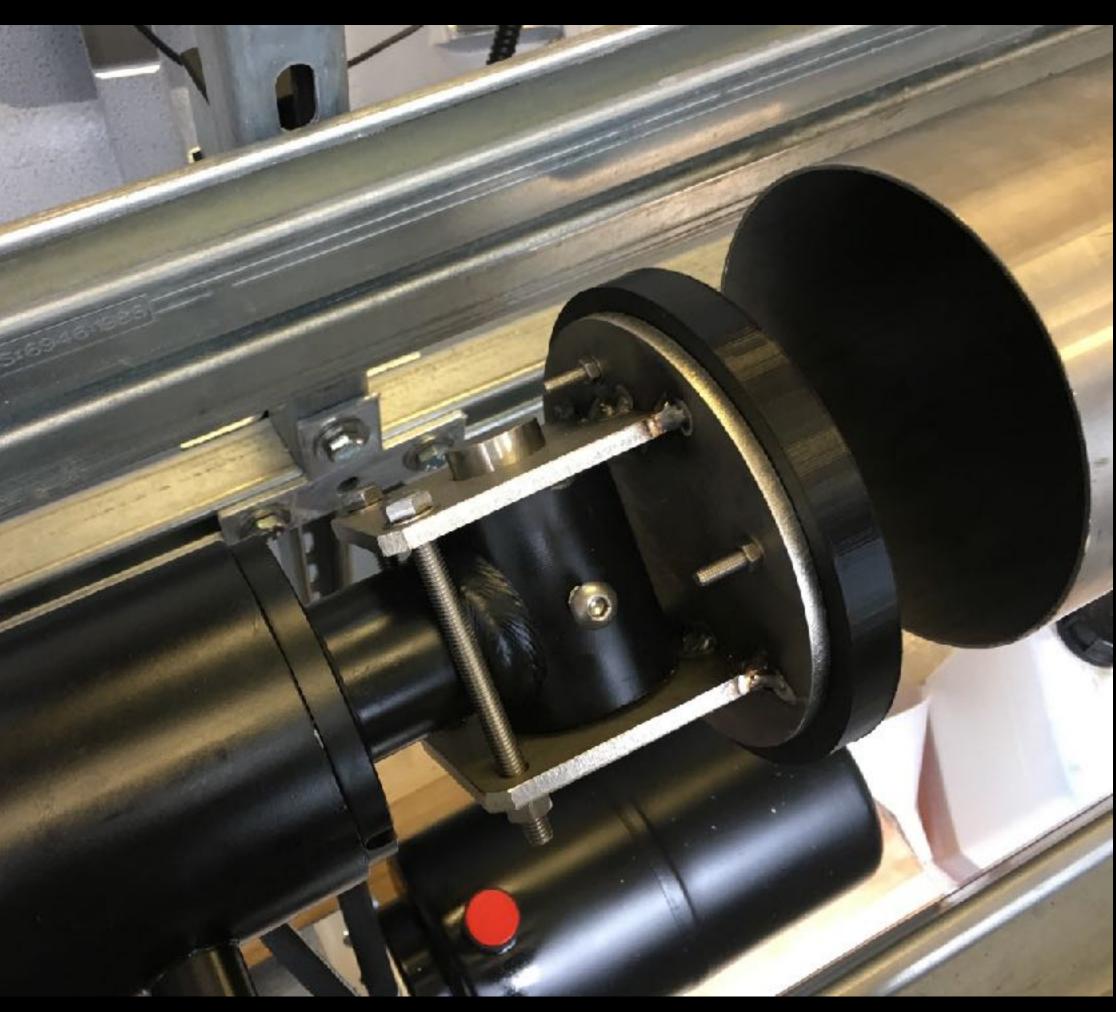


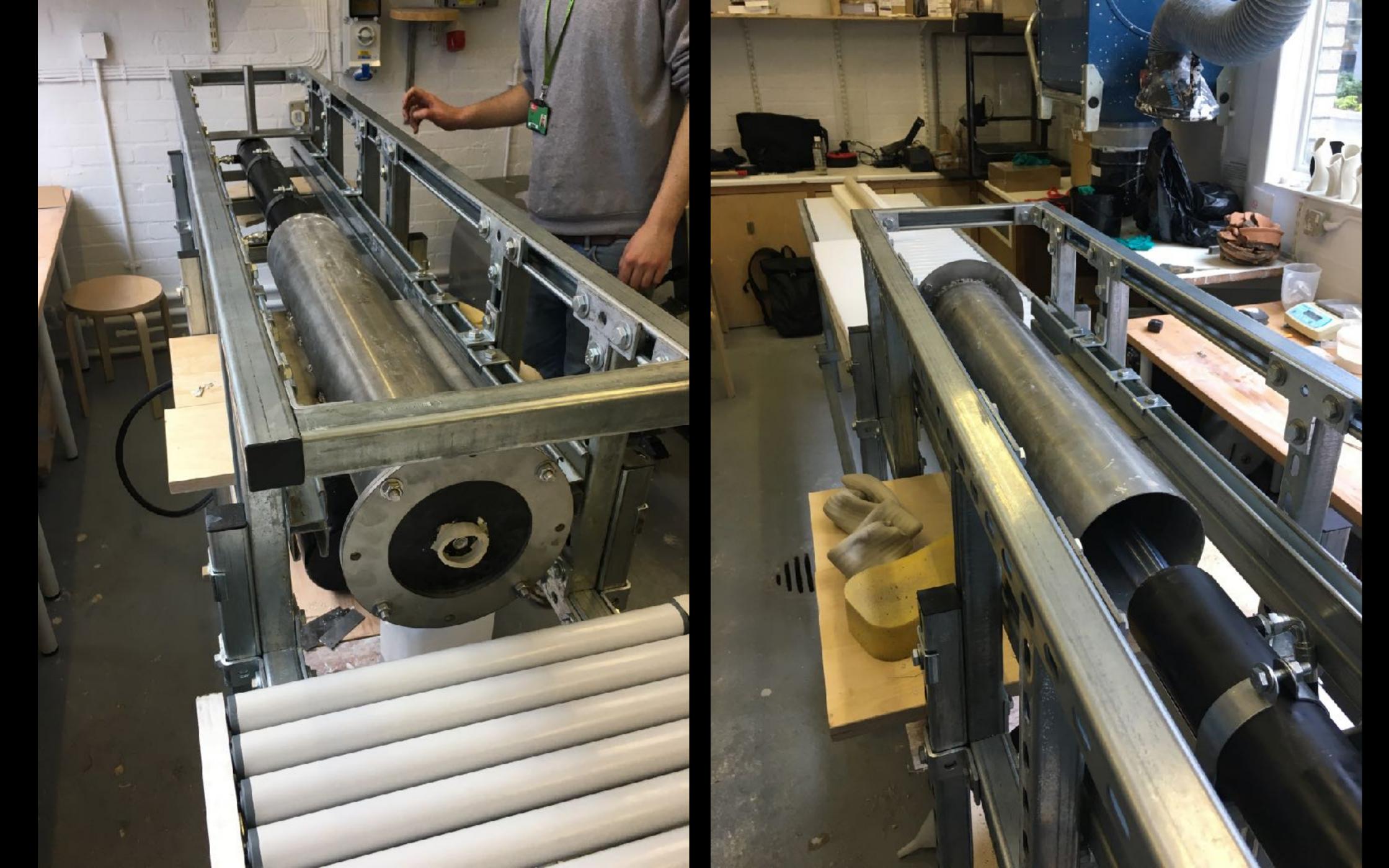


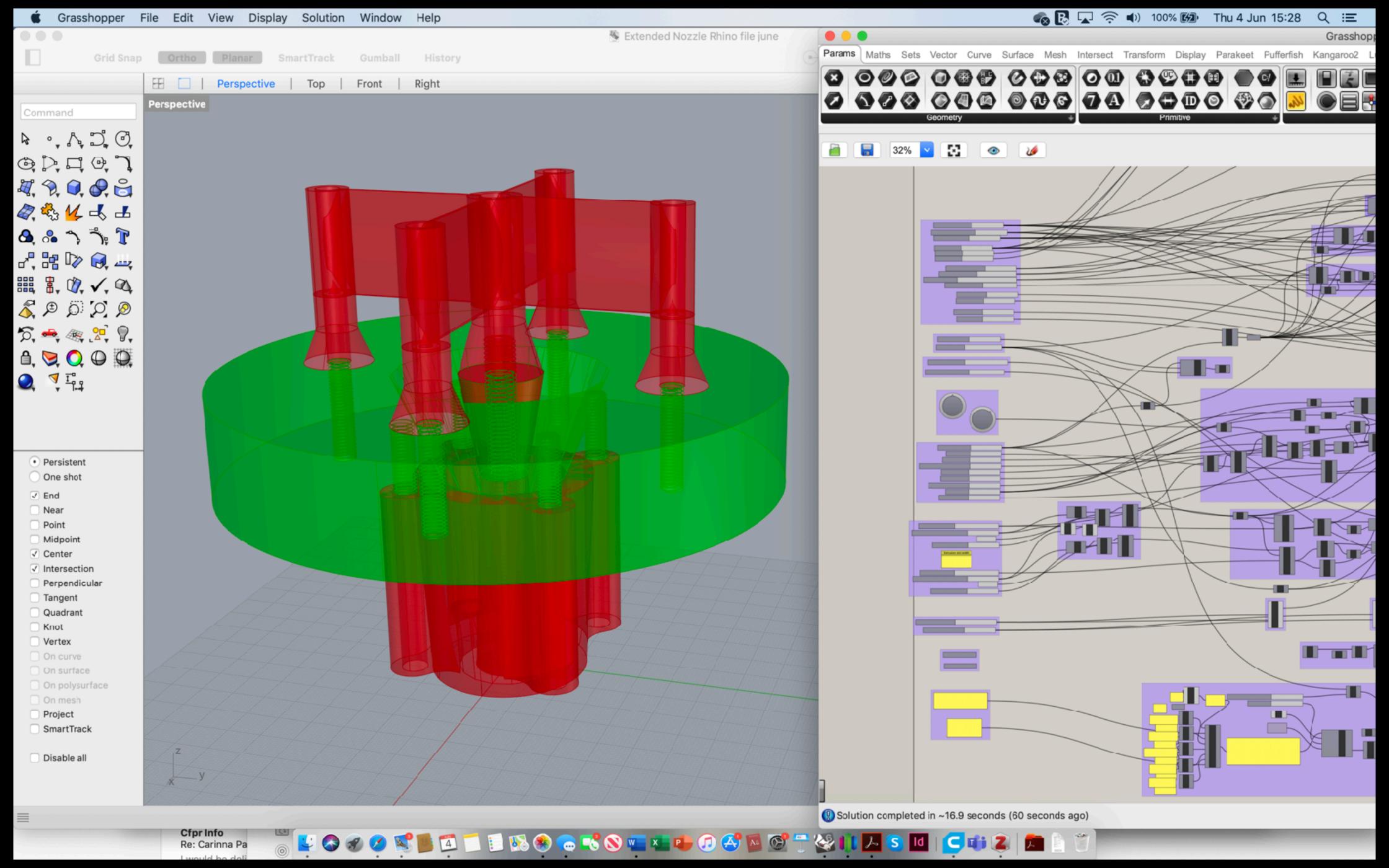


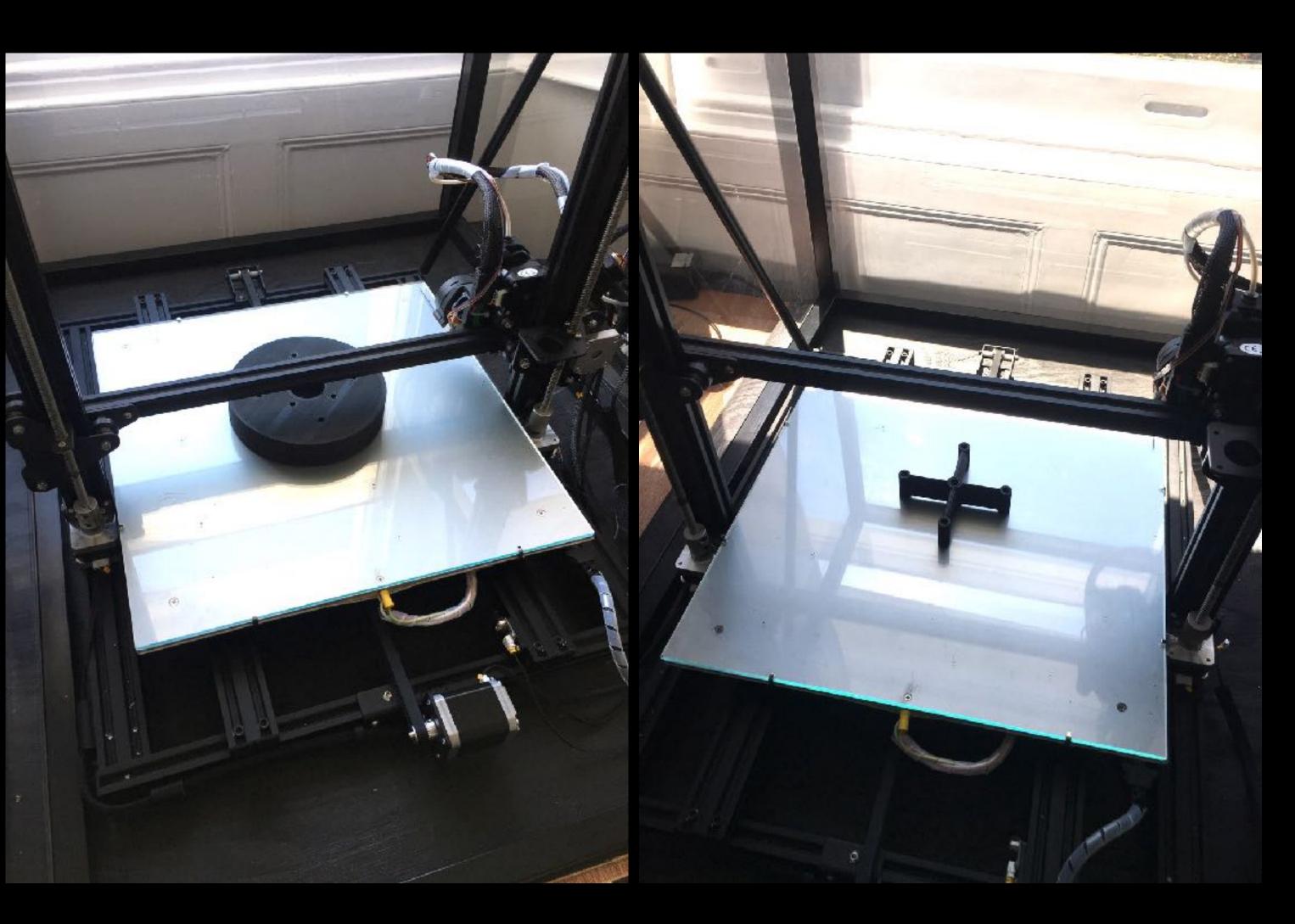














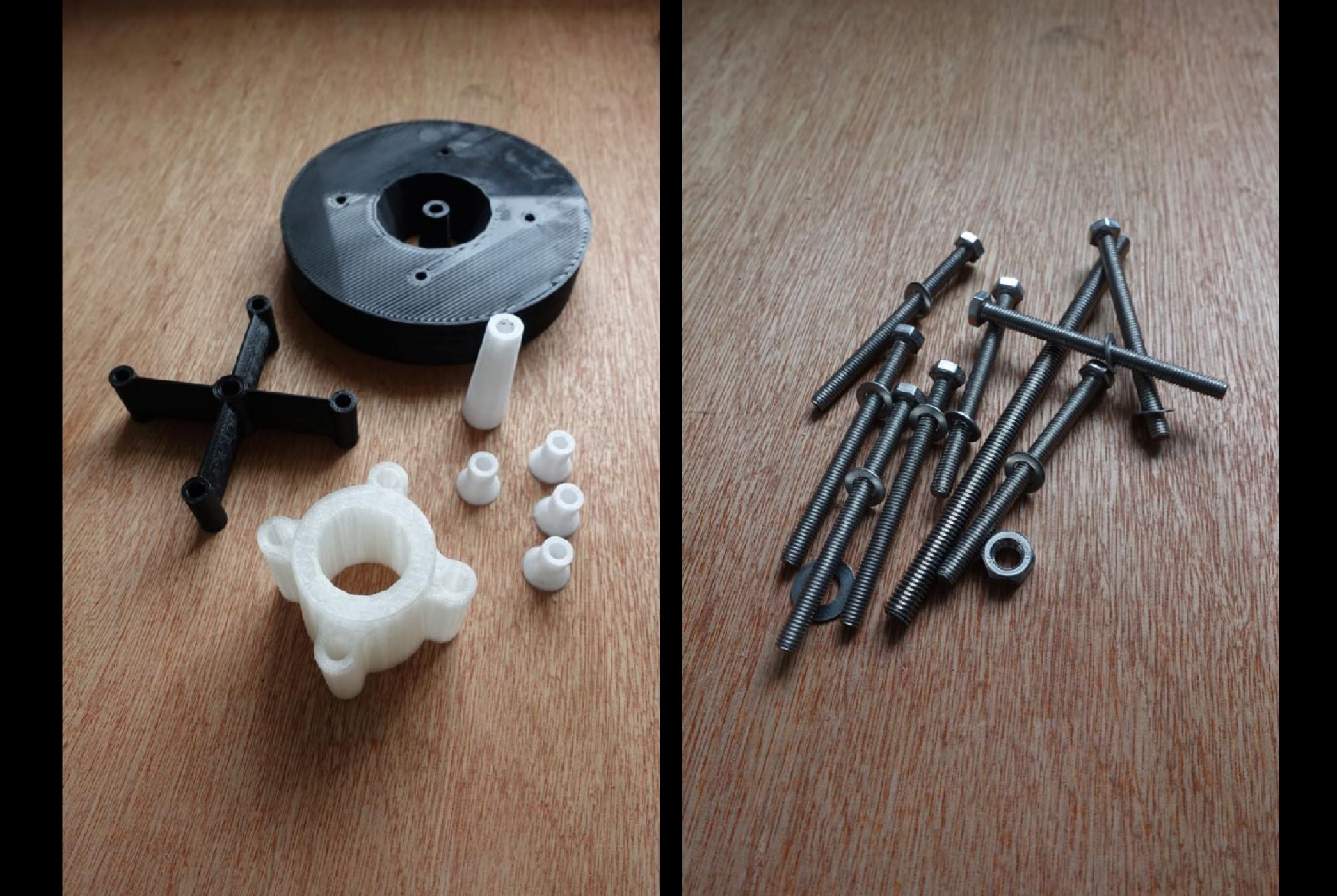
#### Creality3D Printer Larg 400x400x4 Color) CREALITY 3D

€599,00 €509,99 Sal

Warehouse

EU (In Stock)







## extruding straight

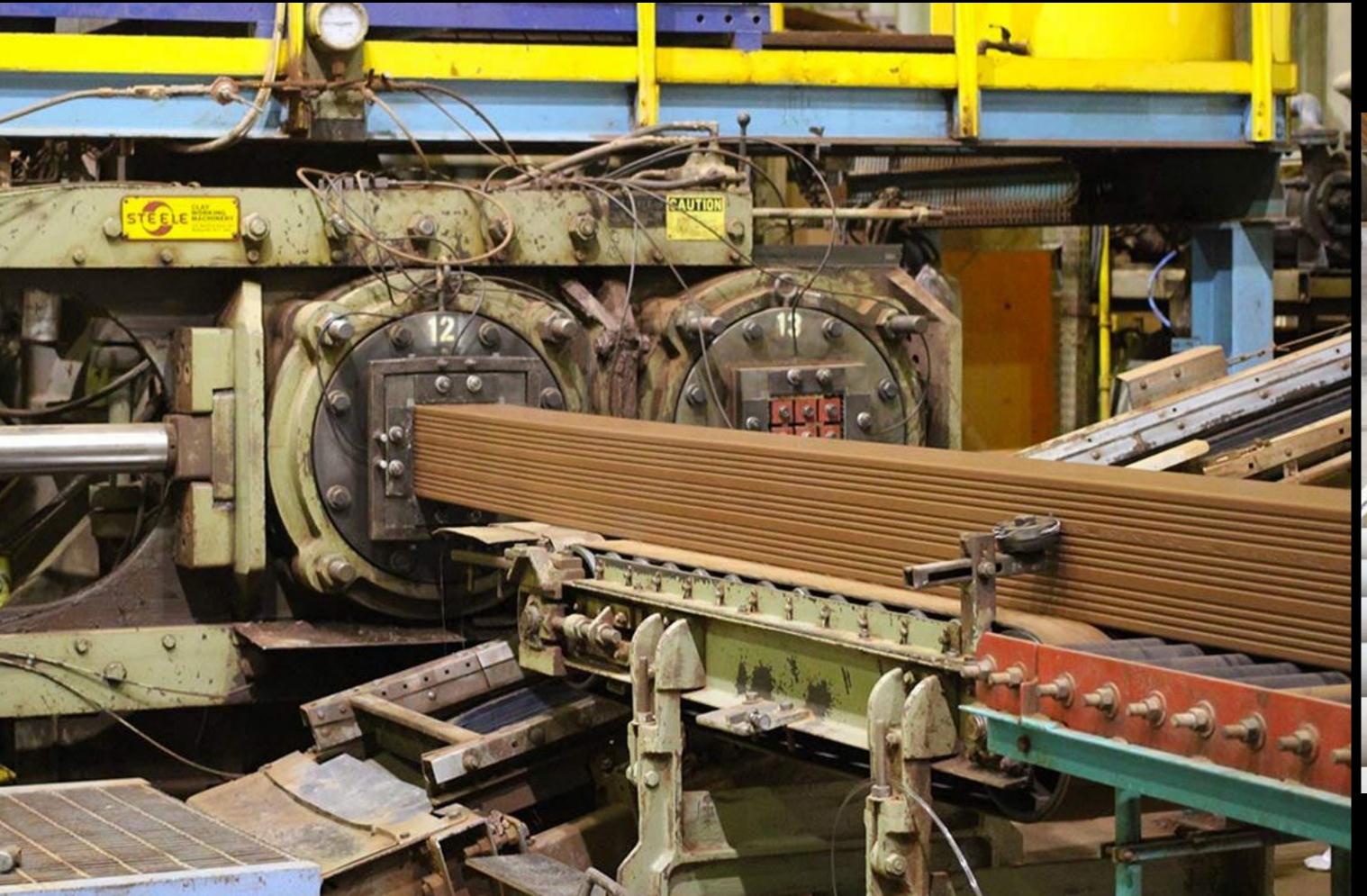


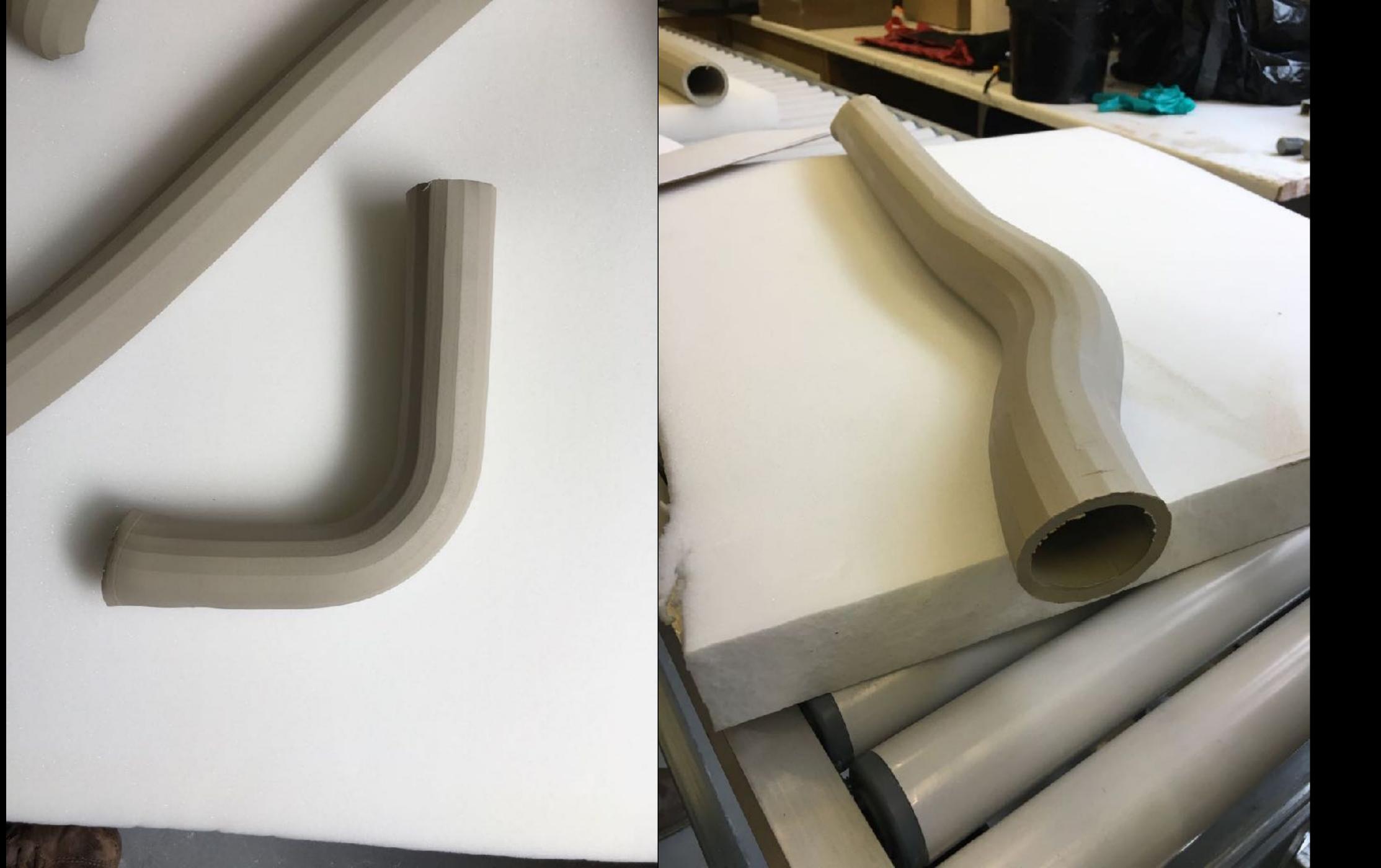


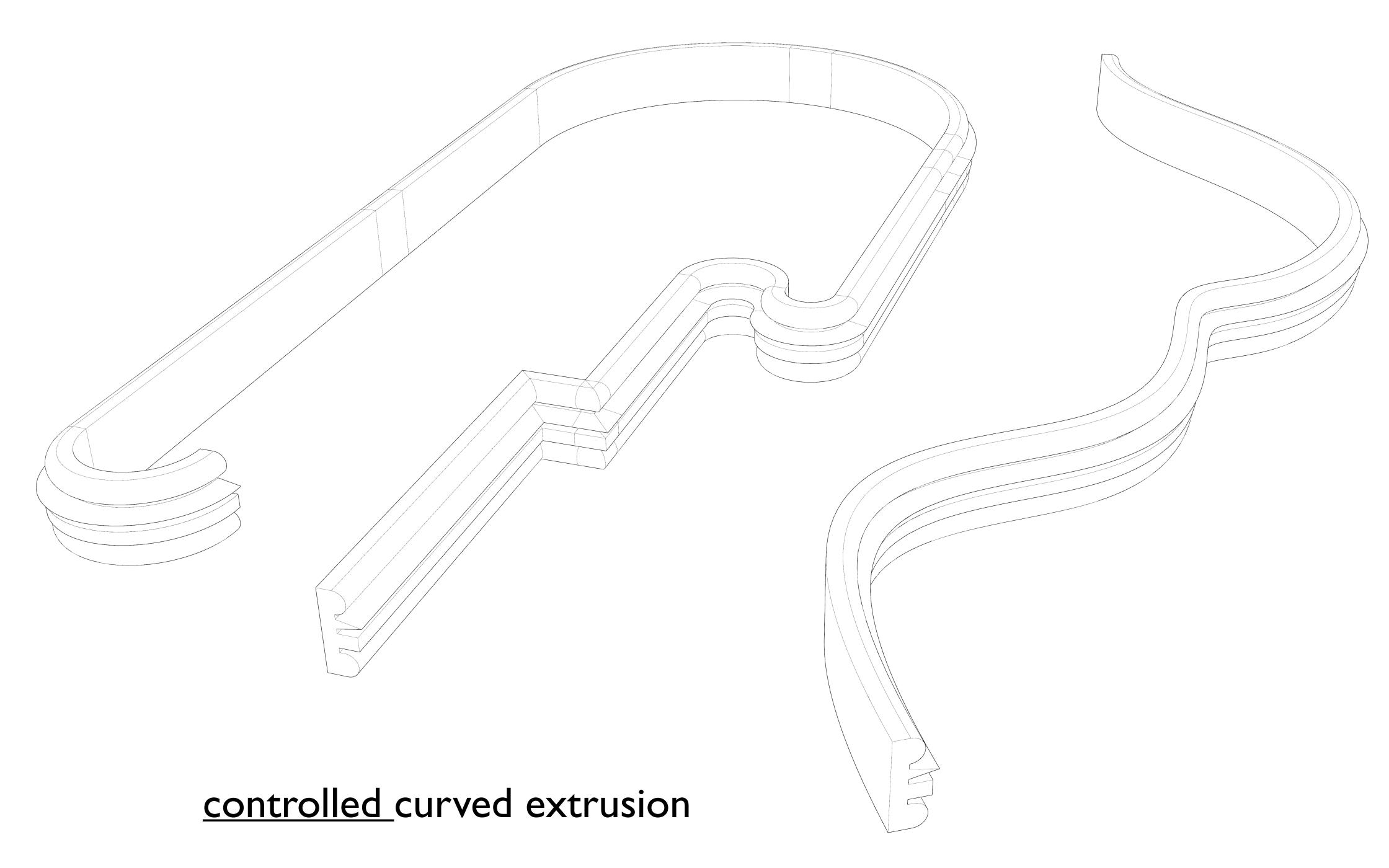
Image: Ceramica Cumella

Image: JCS Steele









#### **GET TO KNOW OUR COLLABORATIVE ROBOTS BY COMPARING THEM**

Compare our robots by selecting them below







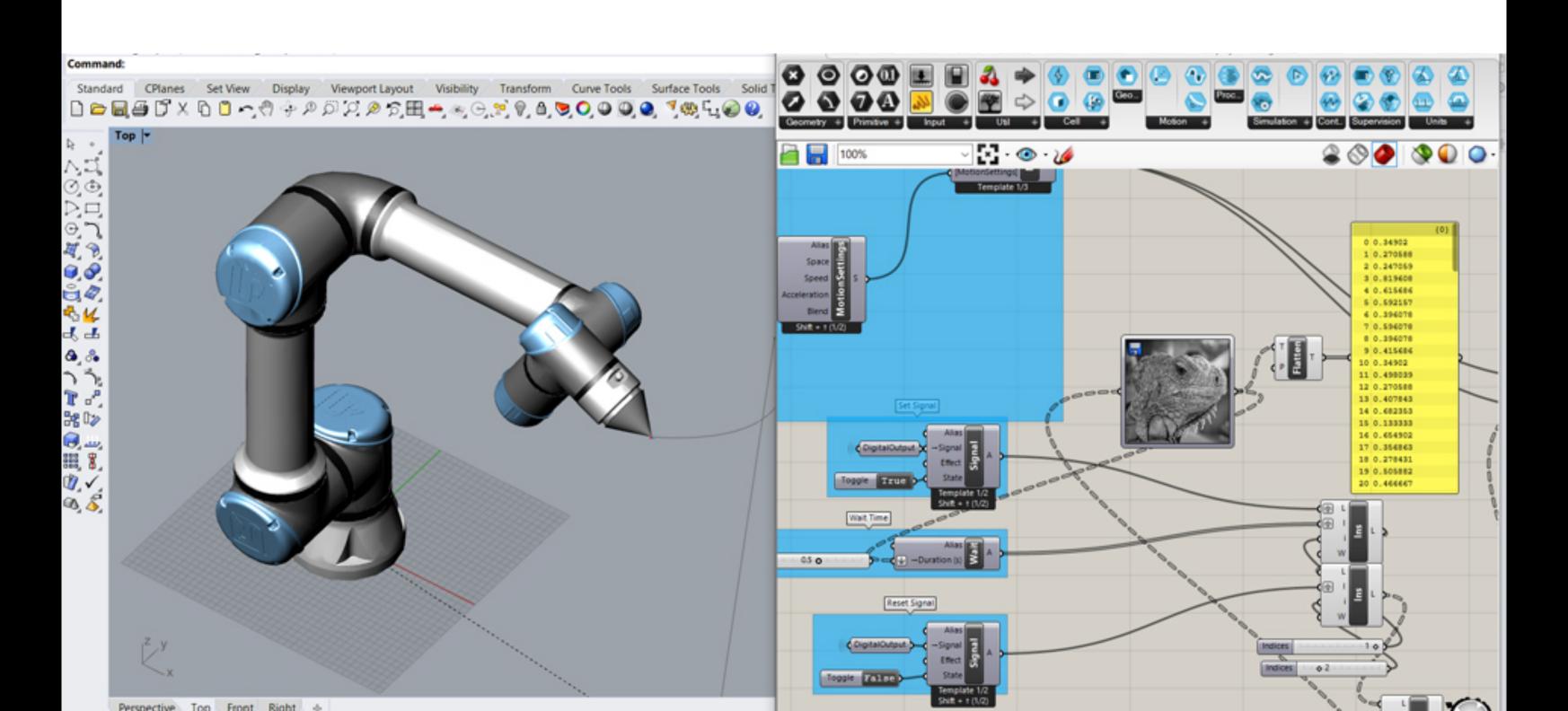
**UR5**e



**UR10**e



**UR16**e **■** 



application, use, collaborators?

#### Industrial collaborators:

# ARUP





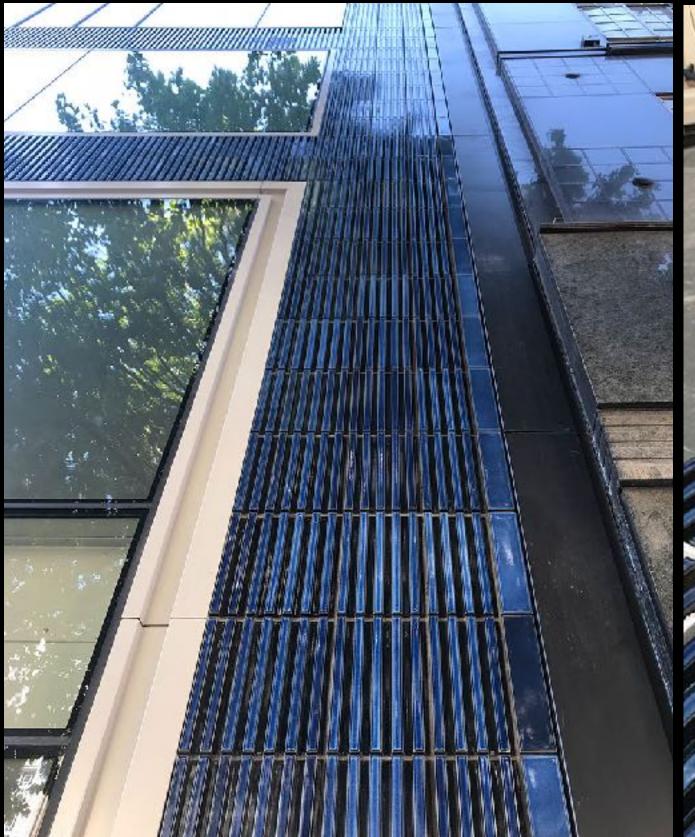






#### ACADEMY HOUSE, OXFORD STREET JOHN ROBERTSON ARCHITECTS



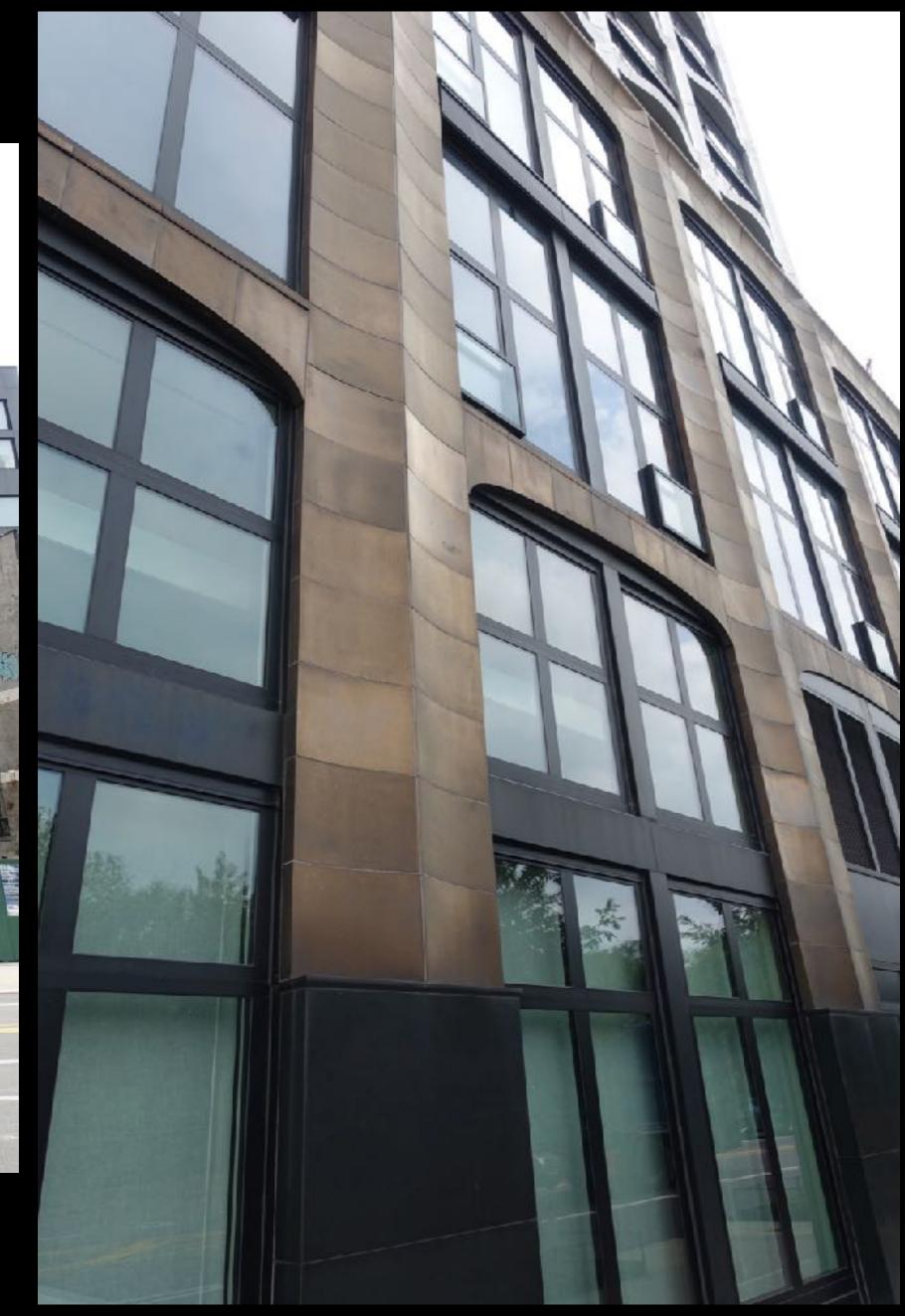




Images: Darwen Terracotta

#### **200 ELEVENTH AVENUE**





Manufactorer: Boston Valley Terracotta - Architects: Selldorf Architects

#### Thank you

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