

PRUSA RESEARCH INTRODUCTION & CASE STUDIES

Štěpán Feik & Jakub Kmošek

Once upon a time in 1984...



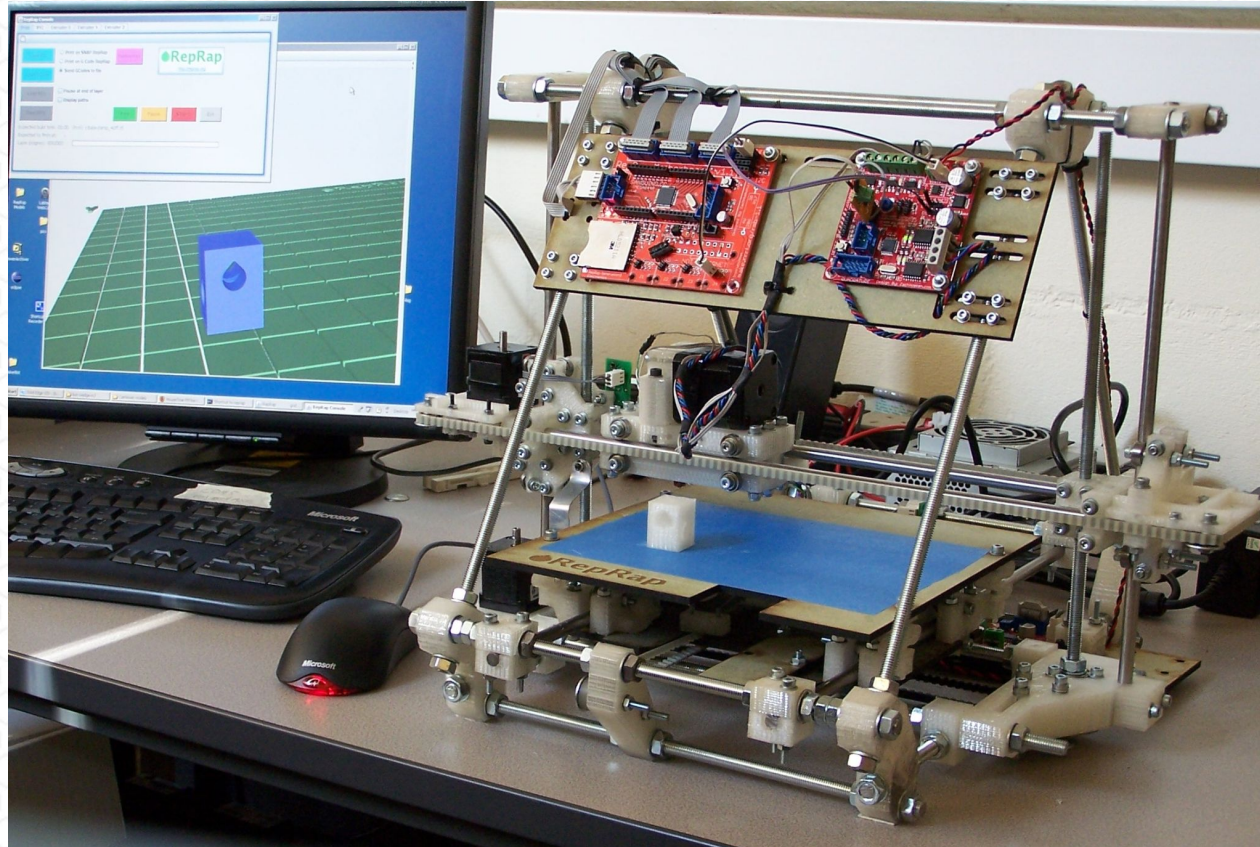
'90s - Come as you are...



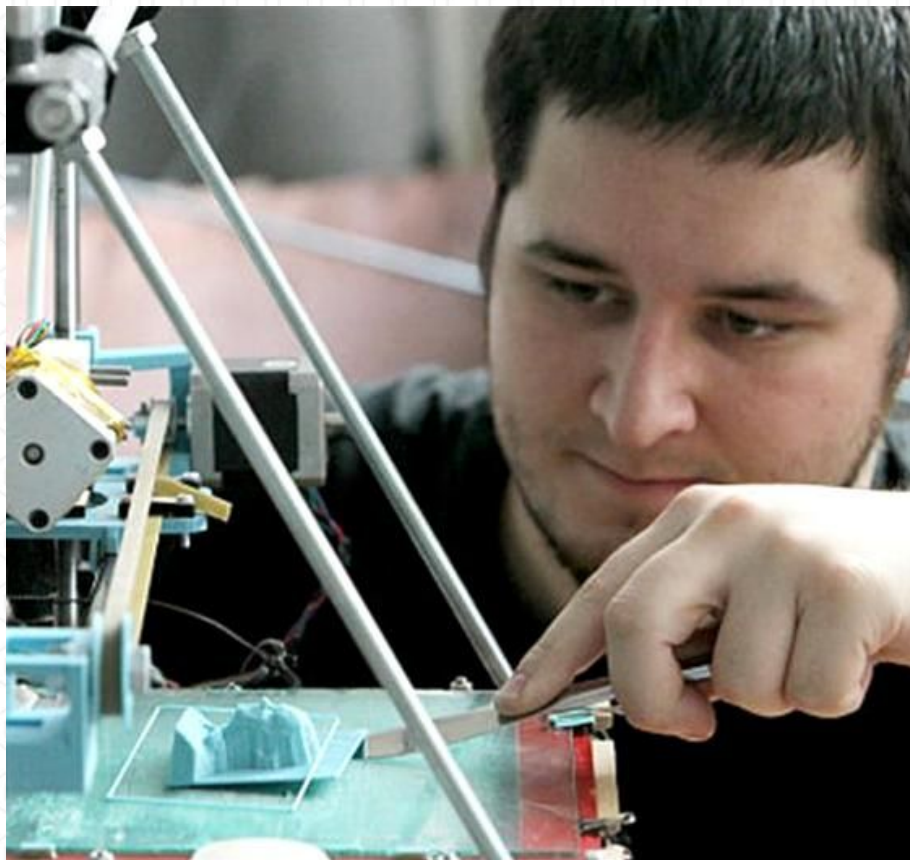
2005 - Adrian Bowyer



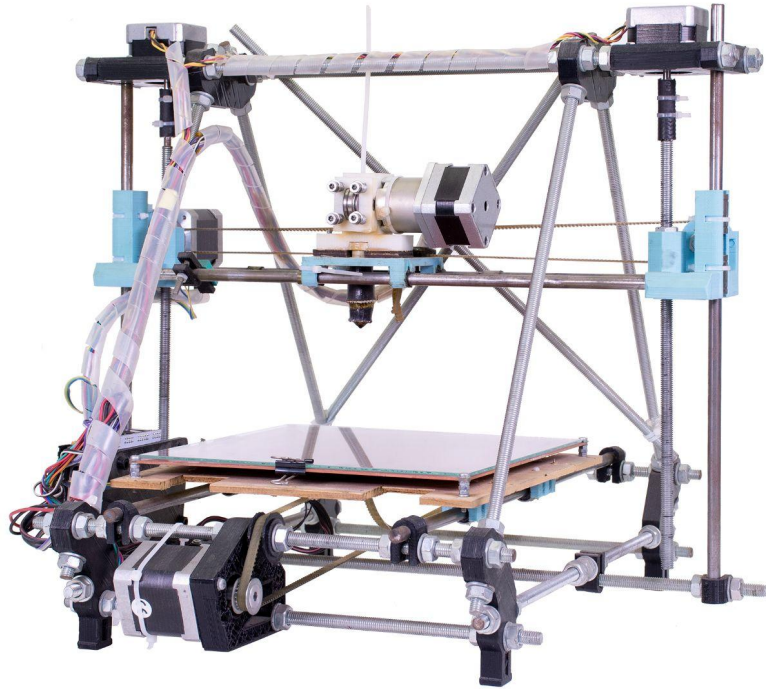
RepRap



2009 - Jo Prusa



Prusa Mendel



2012 - Prusa Research



2022 - Prusa Research

- 800 employees
- 80+ million euros turnover
- 10 000 3D printers shipped per month
- over 400 000 3D printers sold



Our customers:



SIEMENS



UCLA



Google



Zürich University of Applied Sciences

zhaw

abbvie



facebook



Caltech SKODA

AstraZeneca

NOVARTIS

COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

Honeywell

ETH zürich SPACEX

TEXAS
The University of Texas at Austin

Johnson & Johnson

Microsoft

SANOI

PURDUE UNIVERSITY

BASF
We create chemistry

LOCKHEED MARTIN

MITSUBISHI ELECTRIC

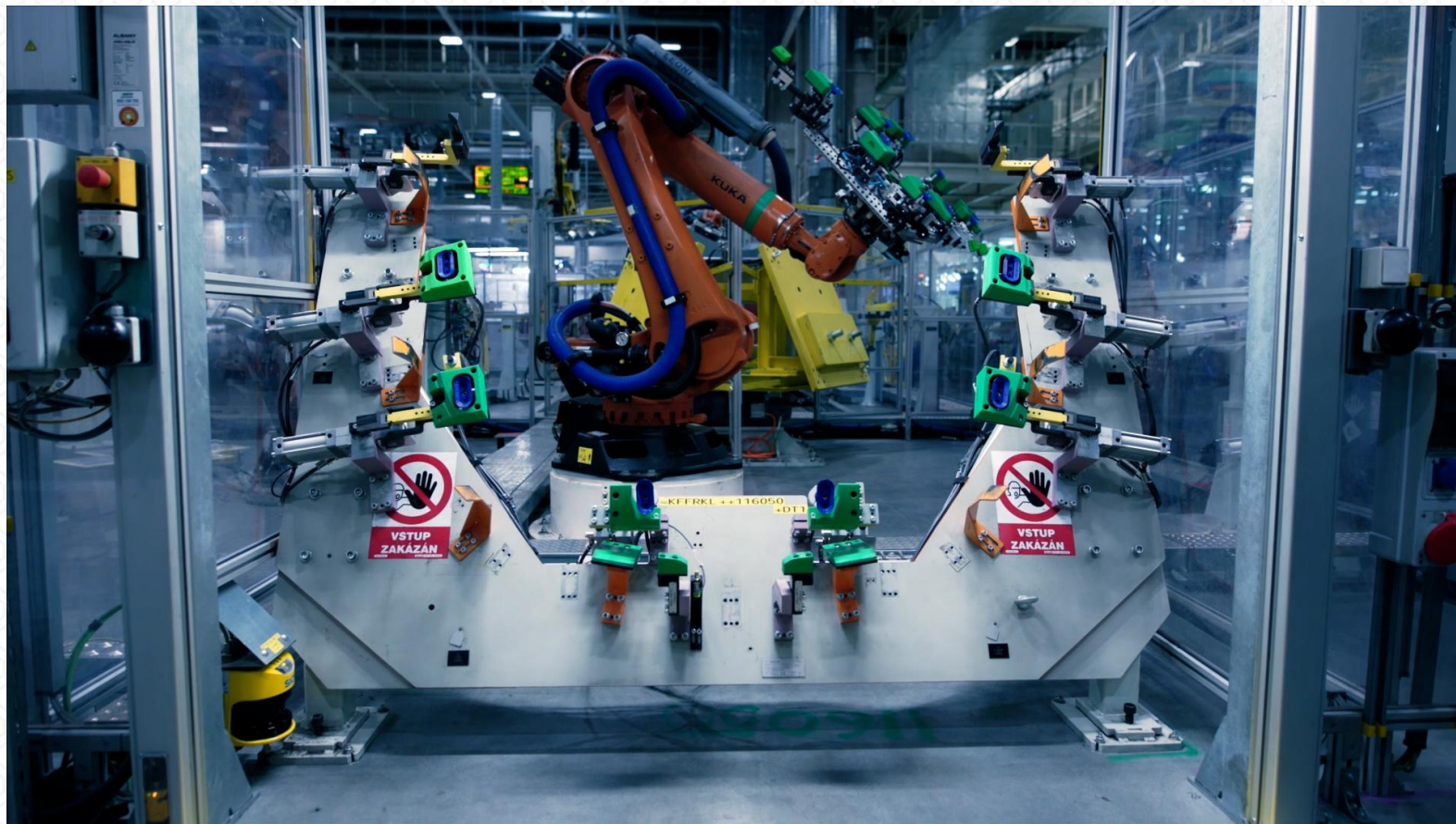
Mit

Porsche Engineering
driving technologies



Applications of 3D printing

Škoda Auto



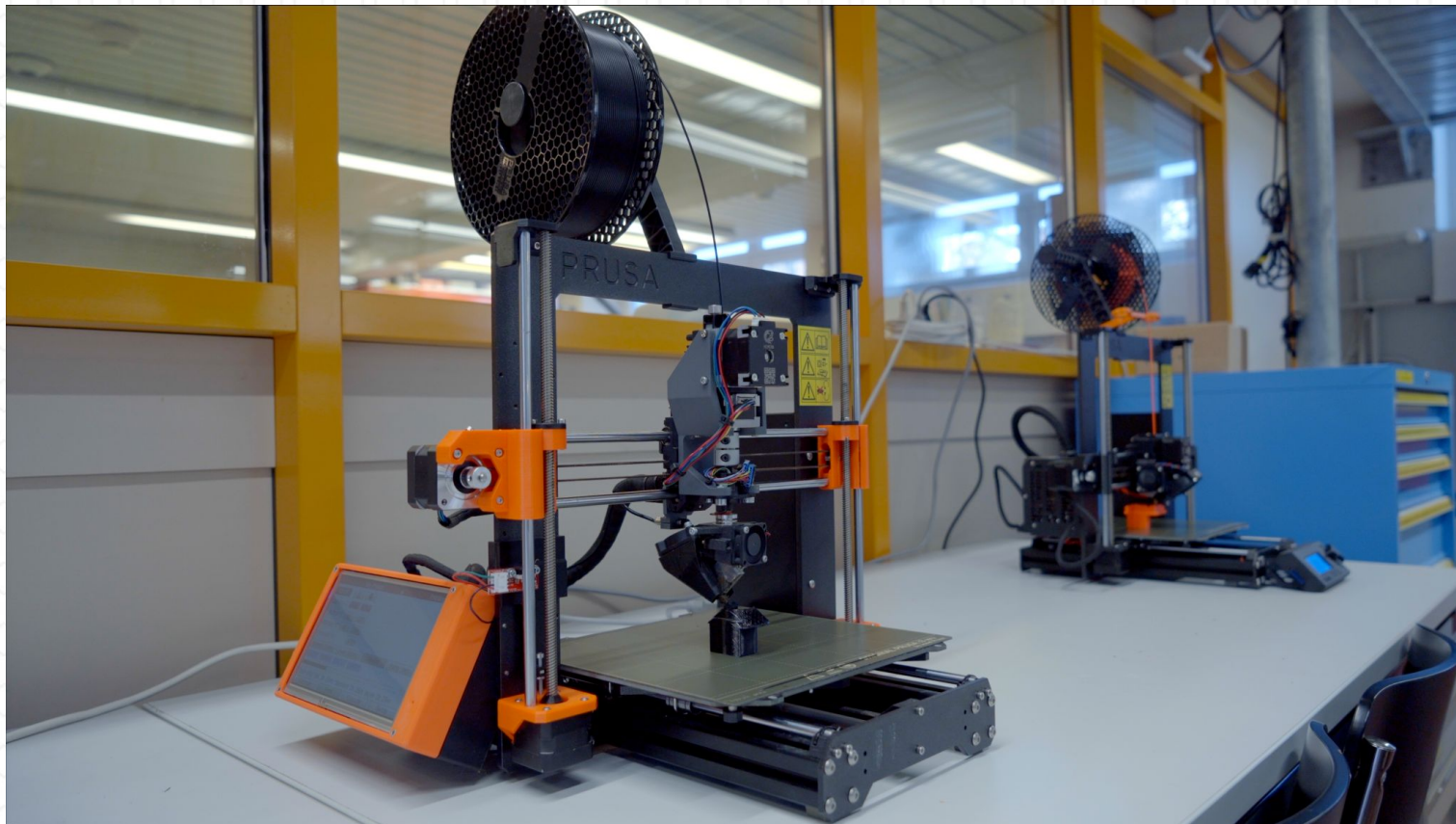


ETH Zürich





ZHAW



Lasvit

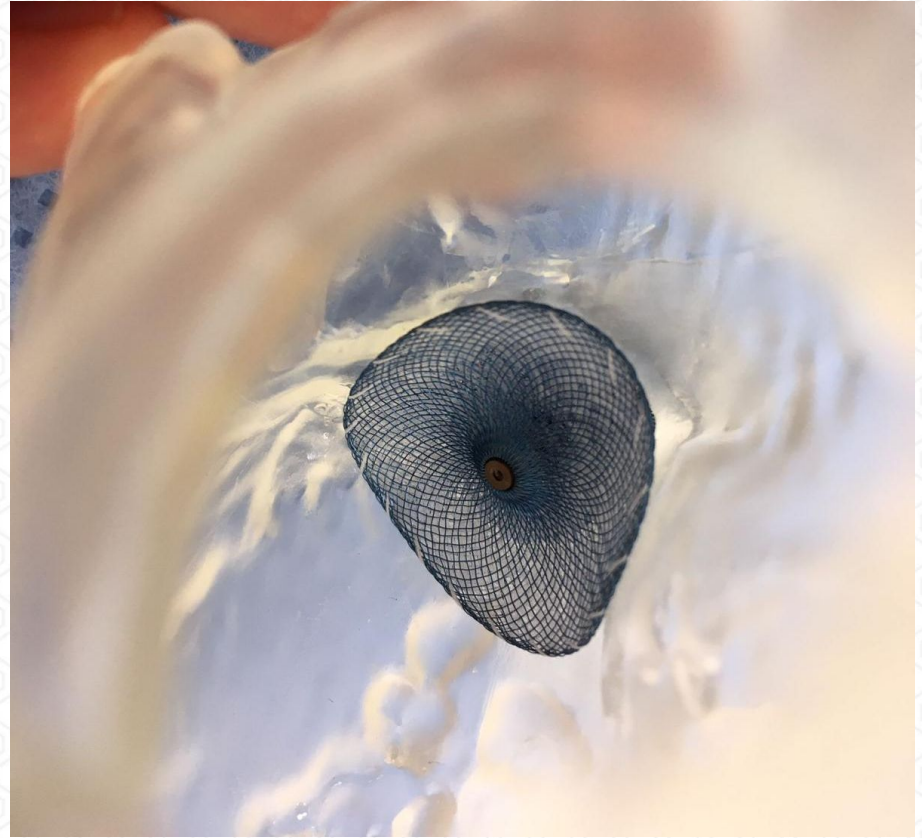
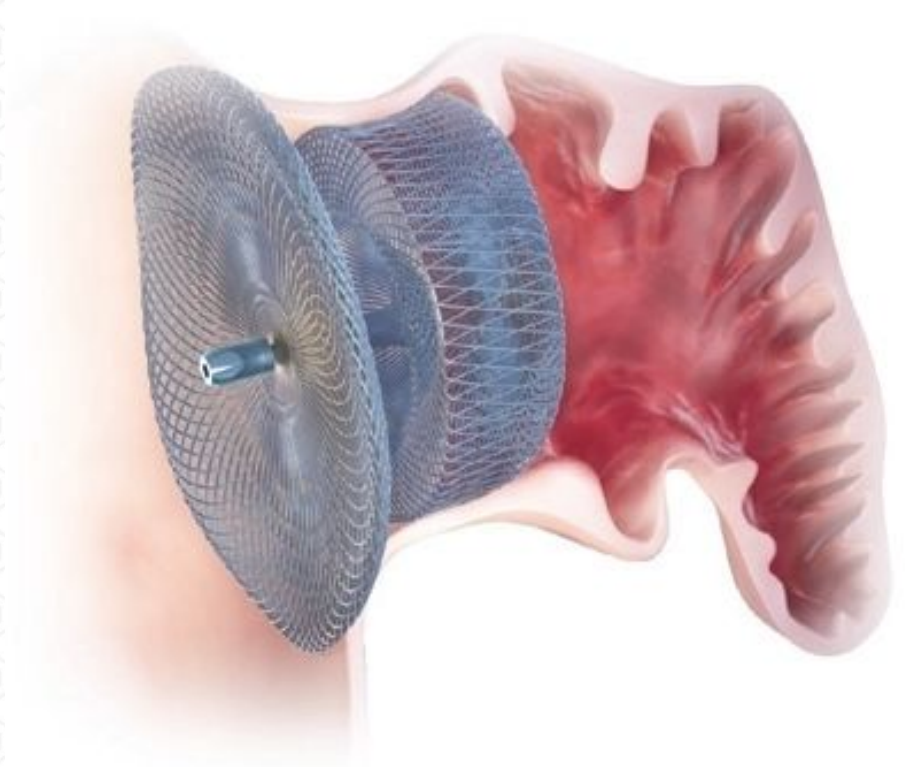


Film industry and special effects



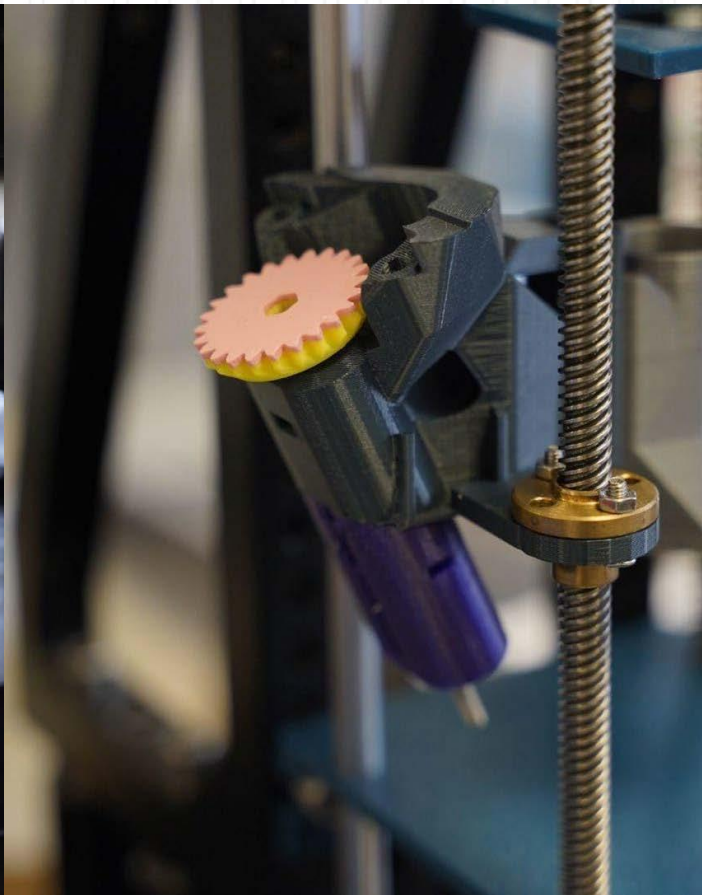
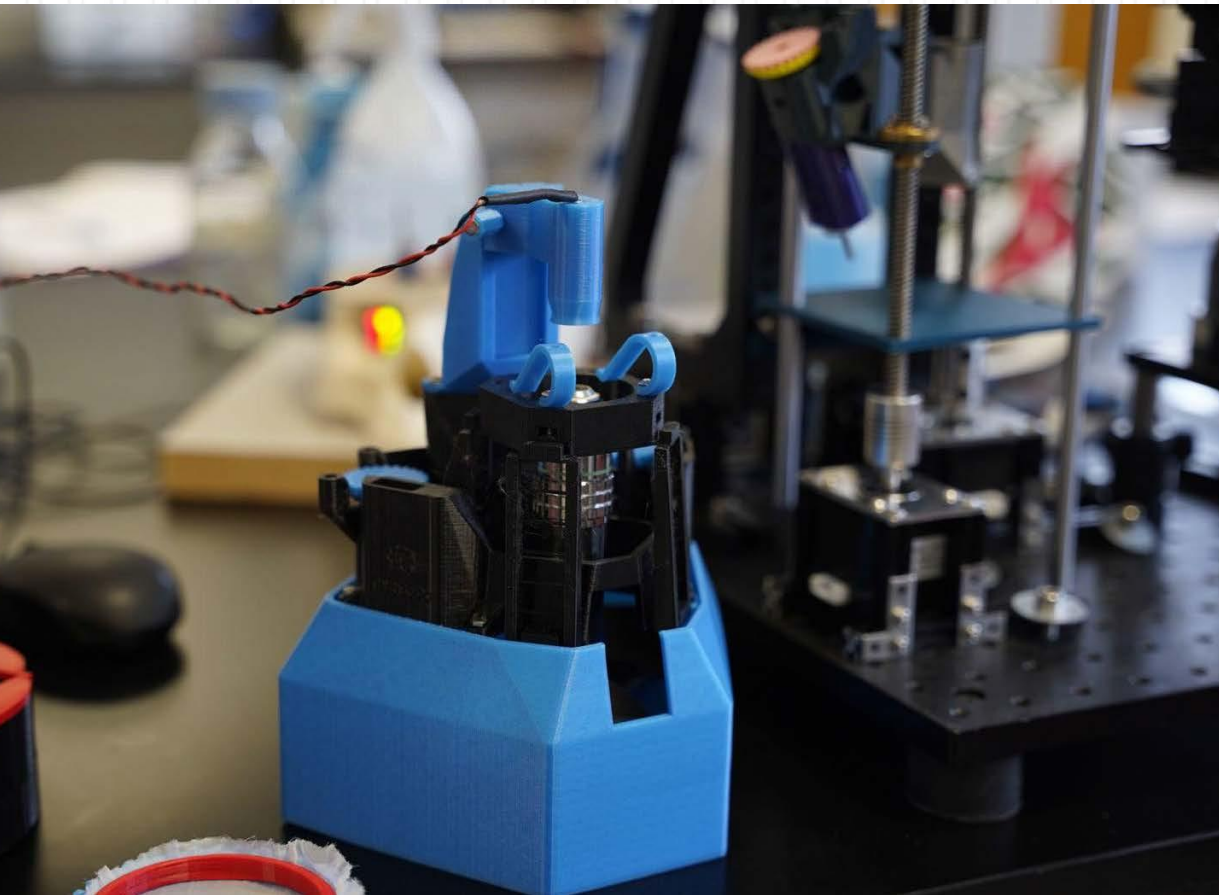
Healthcare











TATRA Metalurgie





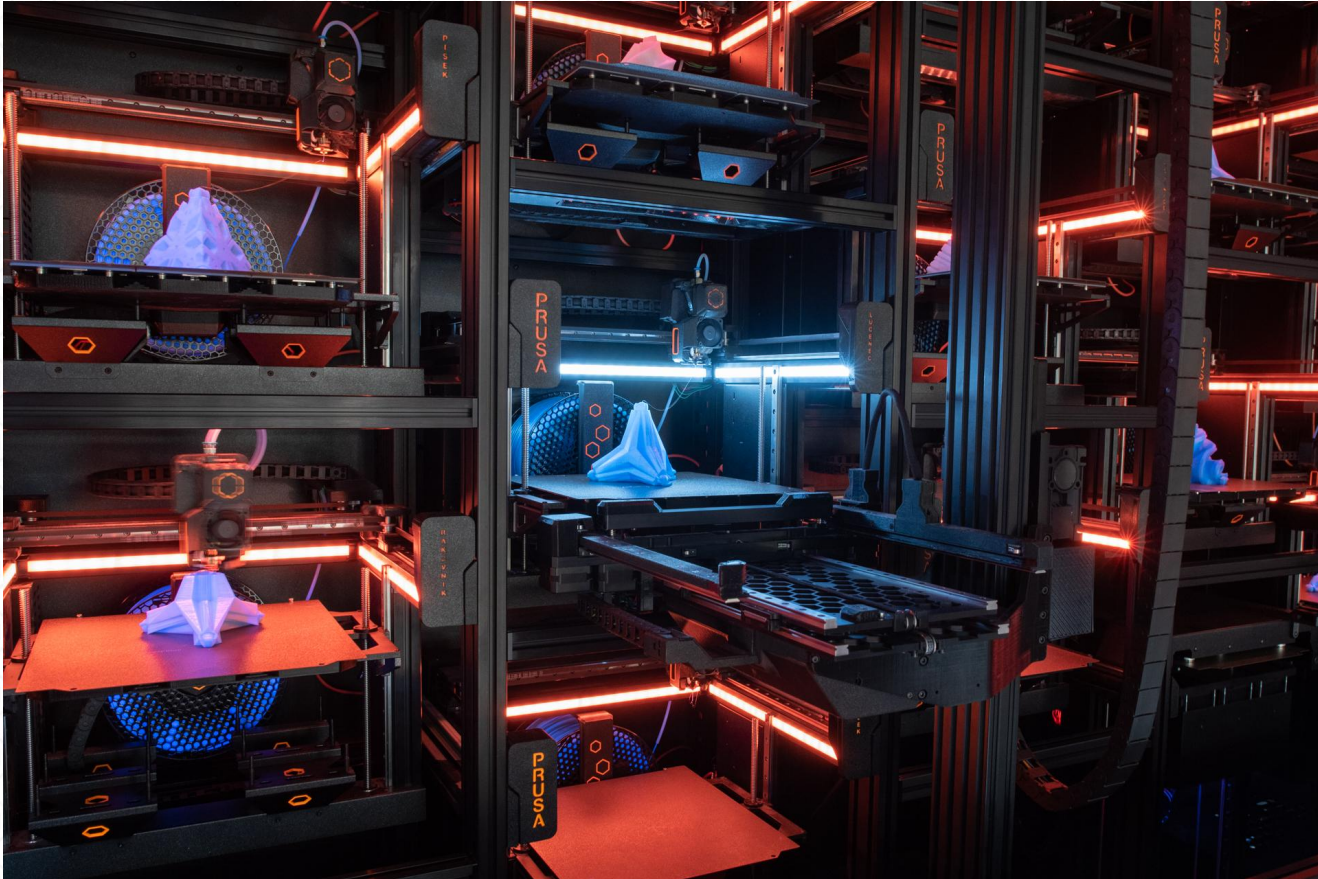
Charouz Racing System

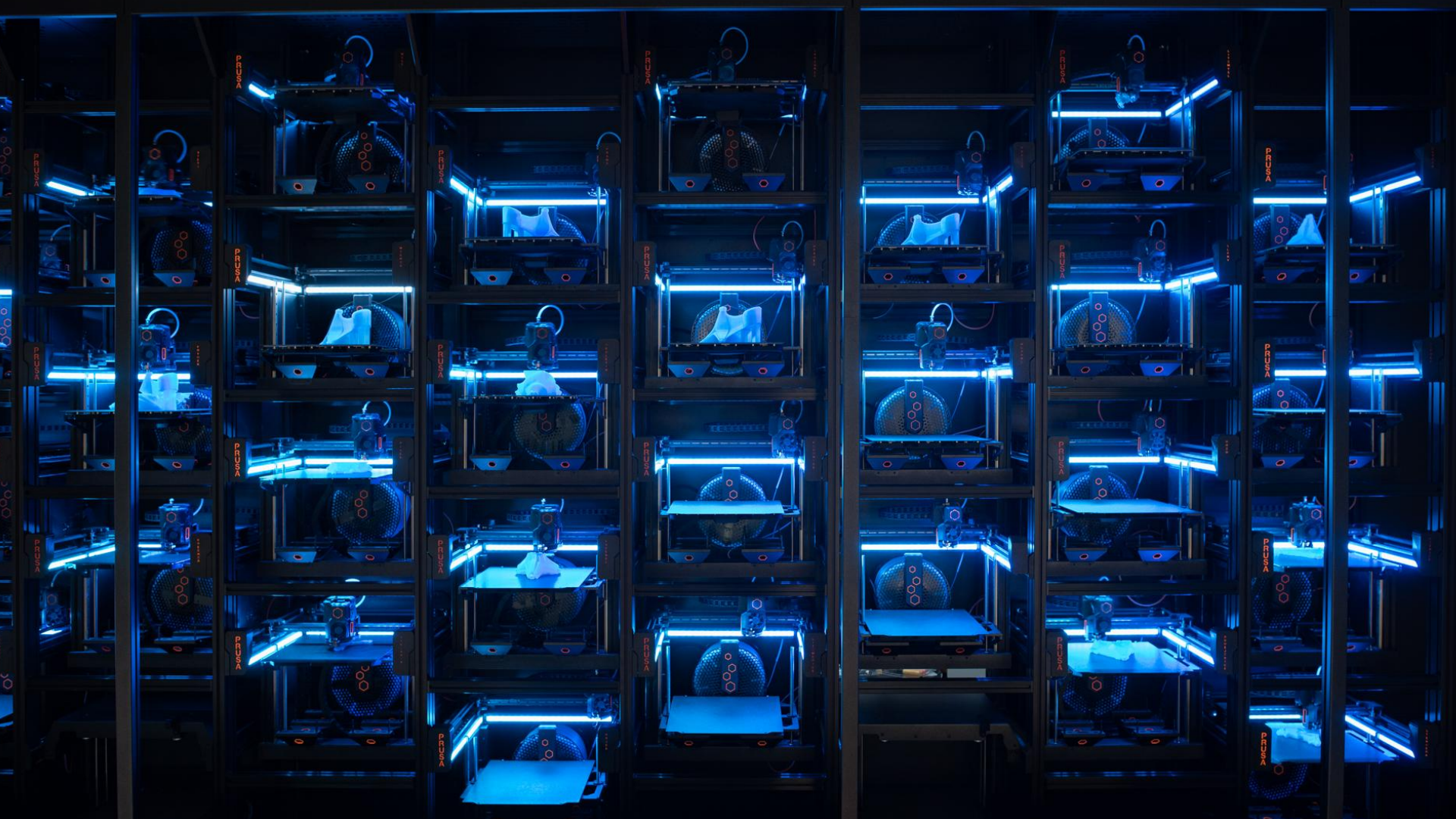




The Future...?

AFS





Prusa Connect

VIEW

FILTERS *Printer state*

Team

SORT BY *Column*

Demo PiTest PRINTING

FILE *5c_131g_12h_0.2mm_PLA_MK3S_12h8m.gcode*

PROGRESS	REMAINING TIME	PRINTING TIME
20%	9h 43m	2h 30m
	ESTIMATED END	
	10:41 PM	

McBig Black FINISHED

Original Prusa i3 MK3S/+
Firmware: 4.4.0-BETA+9326.BRANCH-private.B1790

NOZZLE	SPEED	MATERIAL
27 °C	100%	PETG
HEATBED	Z AXIS	
25 °C	63.77mm	

Original Prusa i3 MK3S IDLE

Original Prusa i3 MK3S/+
Firmware: 3.11.0-4955

NOZZLE	SPEED	HEATBED
24 °C	100%	25 °C
Z AXIS		
200.4mm		

Original Prusa MINI FINISHED

Original Prusa MINI
Firmware: 4.4.0-BETA+5093.BRANCH-master.B228

NOZZLE	SPEED	MATERIAL
22 °C	100%	PETG
HEATBED	Z AXIS	
25 °C	59.15mm	

4 items was found

Items per page **25** 50 100

Current job



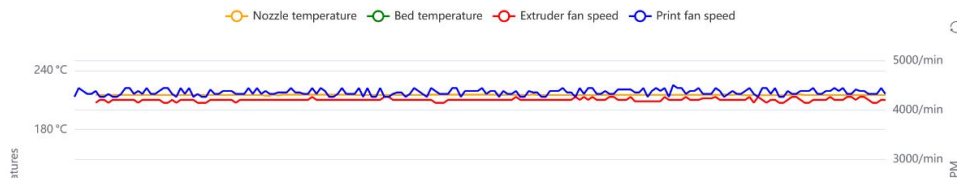
Velke_120ks_PLA65c_131g_12h_0.2mm_PLA_MK3S_12h8m.gcode

PRINTING

Print started Today at 10:27 AM
Printing time 2h 31m
Remaining time 9h 41m
Estimated end Today at 10:40 PM

Print queue Jobs Storage Cameras Control Telemetry Statistics Settings

Telemetry data



The beginning!