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## Smartlab-Videos-Overview



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# Contents

<b>Inhaltsverzeichnis</b>	<b>2</b>
Teaching Videos . . . . .	5
Project Videos . . . . .	5
Public Live Casts . . . . .	6
Privatissimum . . . . .	6
<b>1 Teaching-Videos</b>	<b>7</b>
1.1 Lasercutting . . . . .	7
<b>2 Project-Videos</b>	<b>9</b>
2.1 RobotCar . . . . .	9
Description: . . . . .	9
<b>3 Privatissimum SS18</b>	<b>11</b>
3.1 2018_04_20 Privatissimum Smartlab . . . . .	11
3.2 2018_04_23 Privatissimum BII_06 . . . . .	11
3.3 2018_04_30_SS18_Privatissimum_BII_08 . . . . .	12

## *Contents*

# Introduction

This document shows different activities done in the smartlab or the near ecosystem.

A short overview is given intrinsically in the image-Video „Eigene Ideen im Smartlab verwirklichen“ (s.a. Fig. 0.1 )

"Eigene Ideen im Smartlab verwirklichen"

URL: <https://www.youtube.com/embed/h5bxMwJhbHY>

Description: Image Video of the Smartlab

The document is divided in the following sections:

- Teaching Videos
- Public Live Casts (in future - soob coming)
- Project Videos (in future - soon coming)
- Privatissimum

**Teaching Videos** describes the different machines in the smartlab.

**Project Videos** contains videos regarding the individual projects done mostly by students in the smartlab.

## Contents

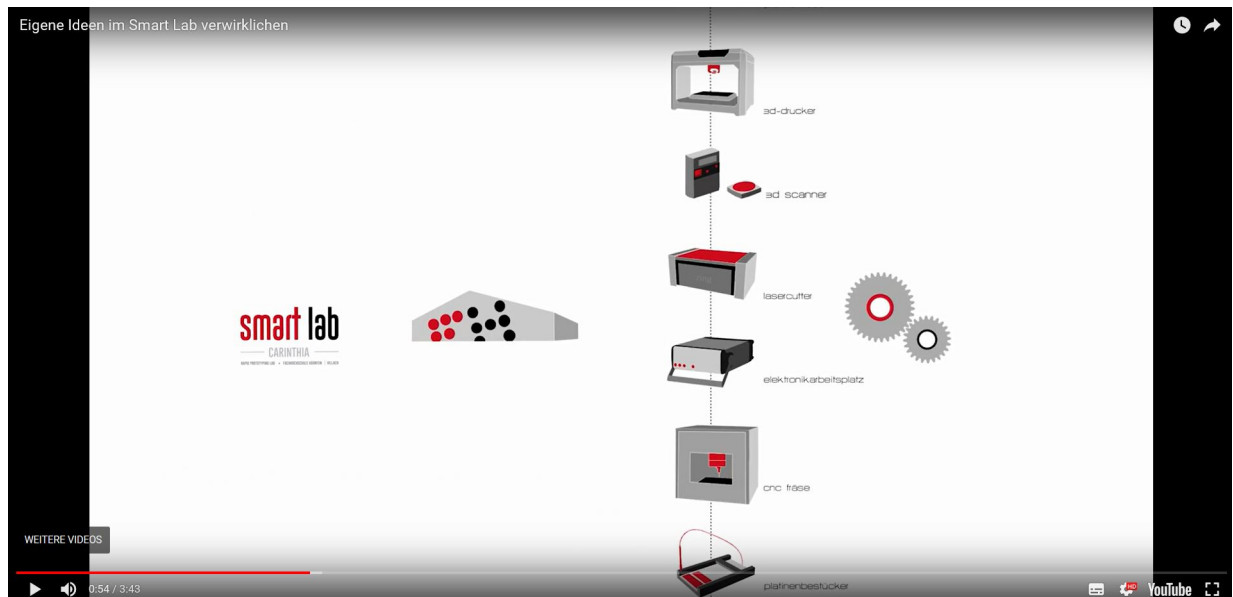


Fig. 0.1: Smartlab - overview of machine - types

**Public Live Casts** contains videos that shall show in a live cast manner, activities or typical possible things that can be done in the smartlab by nearly everyone.

**Privatissimun** contains the live workflow of the project work, which casually documents the student's project work in the smartlab and around.

# 1 Teaching-Videos

## 1.1 Lasercutting

1. "Mit dem Lasercutter im Smartlab schneiden und gravieren - erste Beispiele" URL: [https://youtu.be/sNek\\_bmBhno](https://youtu.be/sNek_bmBhno)

Description: It is shown how to cut a simple geometry, a star and how to engrave a photo in the smartlab with the Epilog Laser.

## *1 Teaching-Videos*



## 2 Project-Videos

### 2.1 RobotCar

**Description:** This Project from Mr. Shi Yuhao is about a robot car that can be made in the smartlab. Several protototypes are made as well as as workshop to build it.

"2018\_04\_25\_RobotCar\_EllipseandLine" URL:<https://youtu.be/fqgjylL5hfc>

## *2 Project-Videos*

## 3 Privatissimum SS18

### 3.1 2018\_04\_20 Privatissimum Smartlab

"2018\_04\_20 Privatissimum Smartlab" URL:<https://youtu.be/GYzbqOBqjh4>

Description: Experiment for the Triangulation with the FabsScan 100  
- first live Cast in the smartlab (s.a. Fig. 3.1).

- Experiment for the Triangulation with the FabsScan 100 from Mr. F. Yuchen
- Sensor news with the robot car from Mr. Y. Shi

### 3.2 2018\_04\_23 Privatissimum BII\_06

2018\_04\_23 Privatissimum BII\_06 "Url: <https://vc.fh-kaernten.at/pu5rme745q3n>  
and

2018\_04\_23 Privatissimum BII\_06 "Url:<https://youtu.be/-QwOoLBjIZU>"

Description: Discussion of Ukulele Project, Triangulation Experiments,  
RobotCar

### 3 Privatissimum SS18

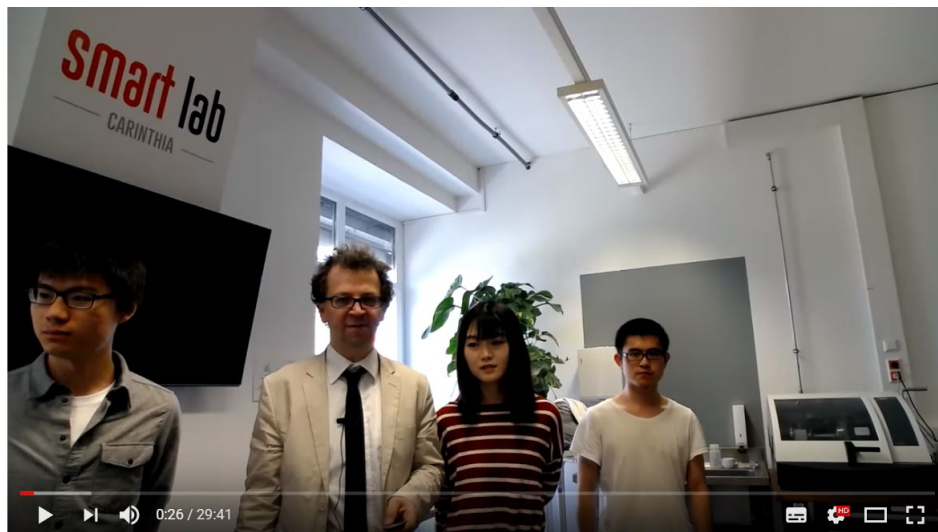


Fig. 3.1: Smartlab - Privatissimum - Triangulation Tests - 23.4.2018  
live cast

## 3.3 2018\_04\_30\_SS18\_Privatissimum\_BII\_08

2018\_04\_30\_SS18\_Privatissimum\_BII\_08

"Url: <https://vc.fh-kaernten.at/ps5vgrnv711b/>"

Description: Privatissimum 30.4.2018

# List of Figures

0.1	Smartlab - overview of machine - types . . . . .	6
3.1	Smartlab - Privatissimum - Triangulation Tests - 23.4.2018 live cast . . . . .	12