FACHHOCHSCHULE KÄRNTEN
WIRTSCHAFTSINGENIEURWESEN

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Smartlab-Videos-Overview

smart lab
CARINTHIA
RAPID PROTOTYPING LAB • FACHHOCHSCHULE KÄRNTEN | VILLACH

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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 - soon coming)
- Project Videos (in future - soon coming)
- Privatissimunm

Teaching Videos describes the different machines in the smartlab.

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

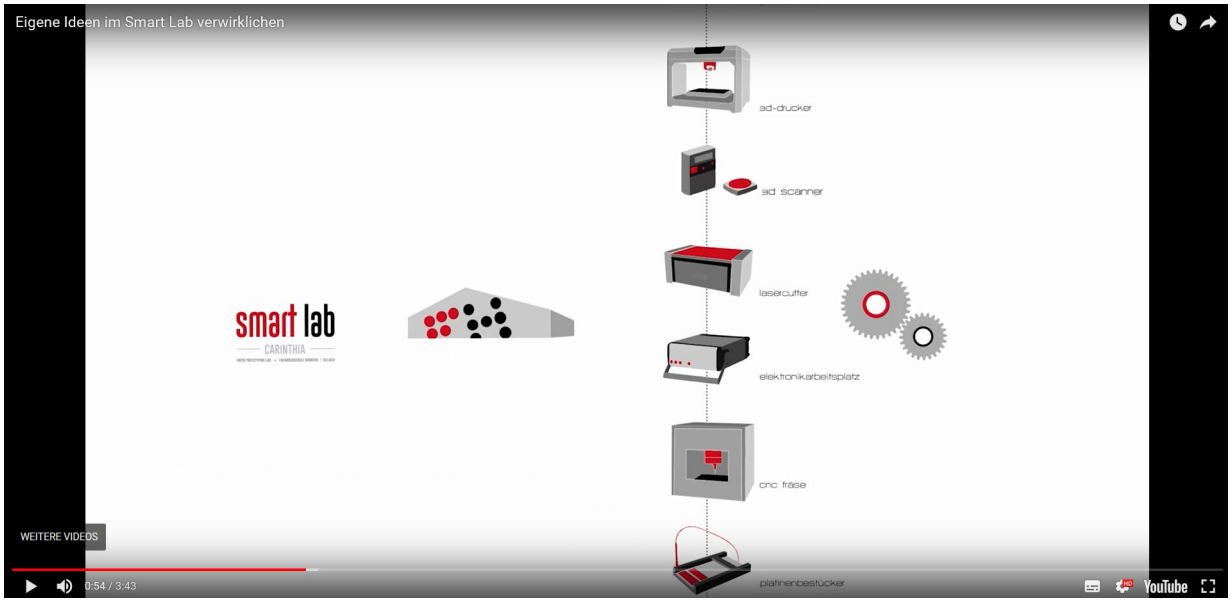

Fig. 0.1: Smartlab - overview of machine - types

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

   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 prototypes are made as well as as workshop to build it.

"2018_04_25_RobotCar_EllipseandLine" URL:https://youtu.be/fqgjylL5hfc

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

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

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