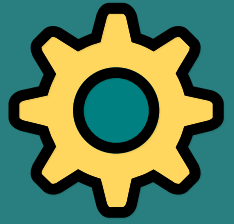




MACHINEKIT

BASICS WORKSHOP

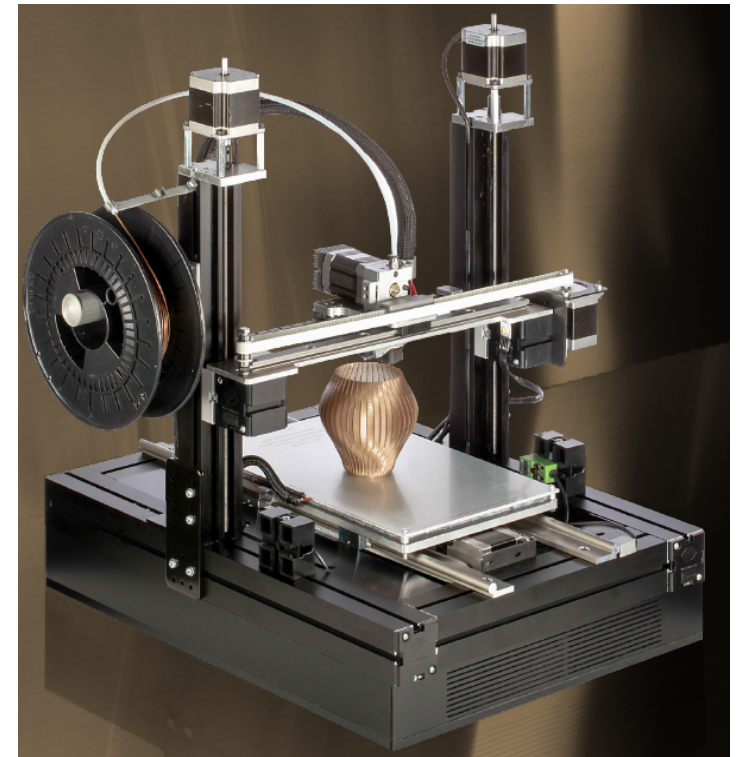
Alexander Rössler



- **About Me**
- **Vagrant Box**
- **Files**
- **HAL**
- **CNC**
- **Machinetalk**



- **Alexander Rössler**
- **Embedded Systems**
- **OpenSource community**
- **3D printing**
- **Zühlke Engineering**





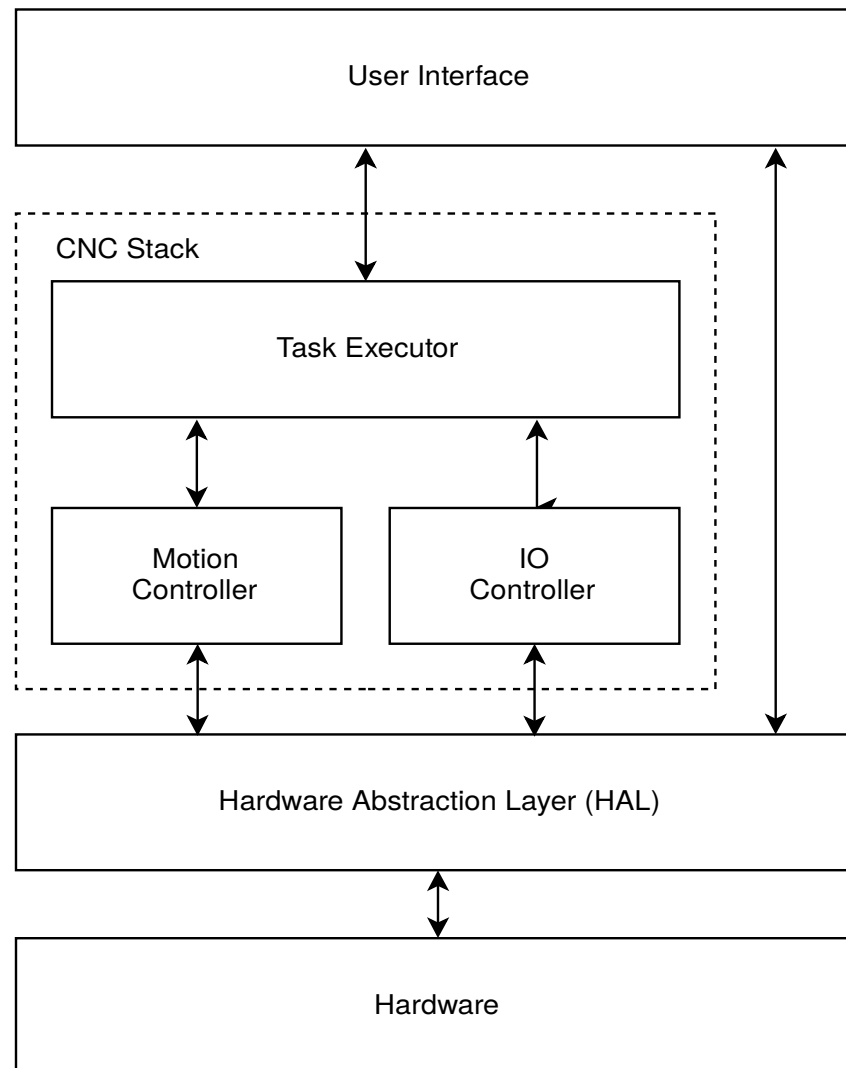
- **VirtualBox**
- **Jessie**
- **LXDE**
- **Machinekit packages**
- **Qt SDK**
- **Git repostories**
- **<https://github.com/strahlex/machinekit-vagrant>**





- **.hal – HAL configuration**
- **.ini – Machine parameters**
- **run.py – Run-file**
- **launcher.ini – mklauncher file**

MACHINEKIT ARCHITECTURE





- **Demo created during workshop**
 - https://github.com/strahlex/machinekit-workshop-demo_electrolab_july-2016
- **Git repositories and resources used during workshop**
 - https://github.com/cdsteinkuehler/bobc_hardware/blob/CRAMPS/CRAMPS/CRAMPS.v1.0.sch.pdf
 - <https://github.com/machinekit/machinekit/blob/master/configs/ARM/BeagleBone/CRAMPS/CRAMPS.hal>
 - <https://github.com/strahlex/MendelMax-CRAMPS/blob/master/cramps.py>
 - https://github.com/machinekit/machinekit/blob/master/src/hal/i_components/sum2.icomp
 - <https://github.com/strahlex/anddemo>
 - <https://github.com/strahlex/BBIOConfig>
 - <https://github.com/cdsteinkuehler/beaglebone-universal-io>
- **Machinekit website**
 - <http://machinekit.io>