




Used Software / Firmware stack

Overview of used firmware and software + where to donate

What?	Why	Version	Source	License	Donate / Sponsor
Line Collision Detector	<ul style="list-style-type: none">• Simulation		https://gitlab.com/hangprinter/line-collision-detector	GPL v3	
Auto Calibration Simulation	<ul style="list-style-type: none">• Simulation		https://gitlab.com/tobben/auto-calibration-simulation-for-hangprinter	MIT	
RepRapFirmware Fork Torbjørn	<ul style="list-style-type: none">• Firmware	2.02(RTOS) (2018-12-24b1)	https://gitlab.com/tobben/hangprinter/-/tree/version_4_dev/firmware/RepRapFirmware	GPL v3	
RepRapFirmware Official (not used for Trikarus)	<ul style="list-style-type: none">• Firmware	2 or 3		GNU GPL v3	
Smart Stepper Fork (not used for Trikarus)	<ul style="list-style-type: none">• Firmware with torque mode	0.38FW	https://gitlab.com/tobben/Smart-Stepper-for-Hangprinter	CC-BY-SA 4.0	

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Smart Stepper Original (Mechaduino Fork) - not used for Trikarus	<ul style="list-style-type: none"> Firmware 		https://github.com/Misfittech/nano_stepper	CC-BY-SA 4.0	
Smart Stepper Fork Trikarus	<ul style="list-style-type: none"> Firmware with torque mode, without I2C 	0.40	https://gitea.fablabchemnitz.de/vmario/Trikarus/src/branch/master/firmware_smartstepper_trikarus/stepper_nano_zero	CC-BY-SA 4.0	
PrusaSlicer	<ul style="list-style-type: none"> GCoder Generator / Slicer 		https://github.com/prusa3d/PrusaSlicer	AGPL v3.0	
Repetier Server Pro	<ul style="list-style-type: none"> Remote Control Monitoring APIs GCoder Job Management 	1.3.0	https://www.repetier-server.com 	Proprietary	repetier

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Repetier Server Monitor	<ul style="list-style-type: none"> • Remote Control • Monitoring / APIs • Job Management 			Proprietary	repetier
Raspbian Stretch Lite	<ul style="list-style-type: none"> • Operating System 		https://www.raspbian.org/RaspbianRepository	GPL v2	raspberrypi
WifiInfoView	<ul style="list-style-type: none"> • tool to find all SSIDs in range and their channel/RSSI/... 				

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Duet Web Control	<ul style="list-style-type: none"> • Configuration of machine parameter (config.g) • legacy controlling 	1.22.6 → belongs to RRF version		GPL v3	
Arduino IDE	<ul style="list-style-type: none"> • Compiling of Smart Stepper Firmware 		https://github.com/arduino/Arduino	LGPL	arduino
MRemoteNG	<ul style="list-style-type: none"> • Accessing services by remote 			GPL v2	mremoteng
Doffen SSH Tunnel	<ul style="list-style-type: none"> • SSH tunneling / port forwarding 			GPL v2	

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KiTTY (PuTTY Implementation)	<ul style="list-style-type: none"> • Accessing services by remote 			https://github.com/cyd01/KiTTY	9bis.net
KeePass	<ul style="list-style-type: none"> • passing SSH keys to SSH clients on a secure way using KeeAgent Plugin 			GPL v2	
KeeAgent	<ul style="list-style-type: none"> • SSH key storing / forwarding 			GPL v2	
InkScape	<ul style="list-style-type: none"> • Stickers, drawings, manufacturing 			GPL	inkscape

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Gitea	<ul style="list-style-type: none"> • Project Files and Versioning 			MIT	gitea
Grafana	<ul style="list-style-type: none"> • Monitoring / Alerting 	8.4.3		Apache 2.0	
Confluence	<ul style="list-style-type: none"> • Project Documentation 			Proprietary	
Freifunk Gluon	<ul style="list-style-type: none"> • using Freifunk Infrastructure to route web traffic 			https://github.com/freifunk-gluon/gluon/blob/master/LICENCE	chemnitz.freifunk.net

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Wireguard	<ul style="list-style-type: none"> • VPN network solution for tunneling network infrastructure 			GPL v2	wireguard
FreeCAD	<ul style="list-style-type: none"> • modeling of different 3D files 			LGPL v2+	freecad
Firefox	<ul style="list-style-type: none"> • displaying the whole web stuff • Communication 			MPL	mozilla

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NotePad++	<ul style="list-style-type: none"> • one of the most important daily ass-savin g utiliti es for editin g and notin g down 			GPL	notepad-plus-plus
draw.io	<ul style="list-style-type: none"> • sche mes and drawi ngs 			Apache 2.0	
Cygwin	<ul style="list-style-type: none"> • helpe rs for netw orkin g stuff and syste m utiliti es 			GPL	cygwin

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CTRL + J Emergency Button Script	<ul style="list-style-type: none"> • API Helper to have the quickest emergency halt access from remote 				
Marlin3Dprinter Tool	<ul style="list-style-type: none"> • using the great STL thumbnail generator for Windows Explorer → https://marlin3dprintertool.se/stl-thumbnail/bnail/ 			Beerware	marlin3dprinter tool.se

Not used / not tested but interesting to make use of

- <https://github.com/wilriker/rfm>
- <https://github.com/gtjoseph/DueUI/wiki>
- <https://github.com/kungergely92/RBD>
- Slicer
 - Simplify3D
 - Cura
 - [IceSL](#)
- Server
 - Octoprint

Version #1

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