

## CR10 conversion, V-SLOT, CoreXY, Stealthburner, V2

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updated 8. 10. 2022 | published 8. 10. 2022

### Summary

Conversion of CR10 V2 to a CoreXY with V-Slot wheels Updated Version -  
Mostly inspired by V-King/V-Baby Z-Carriage...

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Conversion of CR10 V2 to a CoreXY with V-Slot wheels

- Updated Version -

Mostly inspired by V-King/V-Baby

Z-Carriage D/C-Bot

Hardware:

additional 8x 400mm 2020 V-Slot or T-Slot Profiles (some could be longer with minor changes in design), additional 2x 520mm V-Slot Profiles (for Z-Axis)

all stock profiles are reused w/o shortening

connected all profiles by tapping center holes and connected them with m5 button head screws

Board housing can be equipped with 4010 Fan in the front

Motors are Stock

Stock Heatbed

-20 Tooth GT2 6mm idlers (2), 20 Toothed 6mm Idlers (6)

For Z-Axis Sync i had some 20T 4mm Idlers

2x Stock Z Axis (with the rectangular nuts), shrtened to ~500mm

- UPDATE: 3rd z-axis, with 20t idlers, belts and 608 bearings

760+860mm Closed Belt for the Z Synchronization, 2x 20T Idlers (I had with 4mm Axis, so you could tap for 5mm)

All Profiles, most Screws and Wheels from a CR10 (V2)

Stock power supply, mounted below

Stock V-Slot Wheels (11x ~24mm), additional 7 15x9mm V-Slot Mini Wheels

1mm Shims for the Mini Wheels

You need to extend all cables

-Stock Z Axis upper bearings

Stock Z Braces are mounted on the back

Optional MKS mini 12864 , mini 12864 V3Housing

MKS E3, E3D Board and SKR 1.4 holes in Control Box

Full Build area

99% of CR10 V2 reused

Compact outer dimensions

Board is for SKR1.4,E3D, Display is Stock CR10, MKS1284 Mini or V3

Board housing with lid, can be opened from the top

X-Carriage fits Afterburner, Stealthburner with CW1 (Motor Plate is integrated)

X-Carriage has integrated BLTOUCH for Stealthburner V6

All Parts in ABS/PETG, maybe PLA+ for some

Lower Part of Feet can be printed optionally with TPU

Z-Axis Sync

XY Motors in Front, belts and tensioner on the back

Board housing with fan (40x0)

I dont remember all sources, if I forgot to add your work as a Remix please give me a notice

There is no BOM or Instructions, you need a lot of fasteners, and you need to connect all profiles (not only with plastic parts)

Category: 3D Printers

## Model files



**z-axis\_carriage.stl**



**distanceplates.stl**



**zaxis\_upper.stl**



**yarlmc\_v4\_assembly\_v15.step**



**carriage\_front\_3.stl**



**carriage\_rear.stl**



**carriage\_front.stl**

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**carriage\_rear\_3.stl**

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**connector.stl**

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**zaxis\_lower.stl**

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**tensioner3.stl**

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**tensioner\_z\_1.stl**

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**tensioner\_z\_2\_triple.stl**

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**motor\_holder\_lower.stl**

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**corner\_idler\_spacer.stl**

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**xy\_motor\_buddy\_r.stl**

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**y\_carrier\_outer.stl**

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**xy\_tension\_base\_r.stl**

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**y\_carrier\_inner.stl**

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**xy\_tension\_base\_l.stl**

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**xy\_tension\_fork\_2x.stl**

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**xy\_motor\_buddy\_l.stl**

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**m5\_fork\_thumbscrew.stl**

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**bltouch.stl**

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**clamp.stl**

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**carriage\_rear.stl**

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**carriage\_front.stl**

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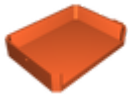
**damper\_front.stl**

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**lcd\_12864\_mini\_v3.stl**

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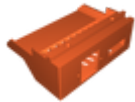
**left\_rear\_cover\_closed.stl**

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**restrain.stl**

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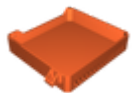
**power\_lid.stl**

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**yarlmc\_tpu\_fuss\_v1.stl**

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**right\_rear\_cover.stl**

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**lcd\_crealitiy\_cr10.stl**

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**left\_middle\_cover.stl**

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**feet\_front.stl**

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**leg\_extension.stl**

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**yarlmc\_z\_brace\_distance.stl**

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**lid.stl**

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**left\_front\_cover.stl**

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**yarlmc\_fuss\_v3.stl**

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**lcd\_crealty\_cr10\_back.stl**

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**right\_front\_cover.stl**

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**lcd\_12864.stl**

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