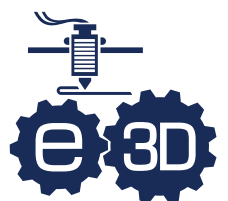


# ToolChanger Datasheet



E3D-ONLINE



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The values recommended here are calculated to avoid losing accuracy due to the compliance of the locking mechanism. These are valid for E3D's Motion System platform, your values may vary.

## Movements & Acceleration

- Maximum travel speed : 600mm/s
- Maximum acceleration : 200mm/s<sup>2</sup>

## Mechanism

- Holding force :45N (~4.5kgf)
- Positional accuracy : 5µm
- Maximum tool mass : 1000g
- Recommended tool mass : 500g
- Expected lifetime in tool changes : 1 800 000

## Maintenance

- Every 20 prints / 50h, whichever comes first:
  - Clean tool and grabber kinematic couplings from debris
  - Clean ramp tool and grabber T-bar from debris
  - Lubricate kinematic coupling balls and dowel pins with magnalube/lithium grease
  - Lubricate grabber thrust bearing with magna lube/lithium grease
  
- Every 100 prints / 200h, whichever comes first:
  - Inspect kinematic coupling dowel pins for wear/pitting
  - Inspect T-bar for wear
  - Inspect gearbox gears for wear
  - Inspect ramp for wear
  - Inspect kinematic coupling balls for wear/pitting
  - lubricate gearbox with magnalube/lithium grease