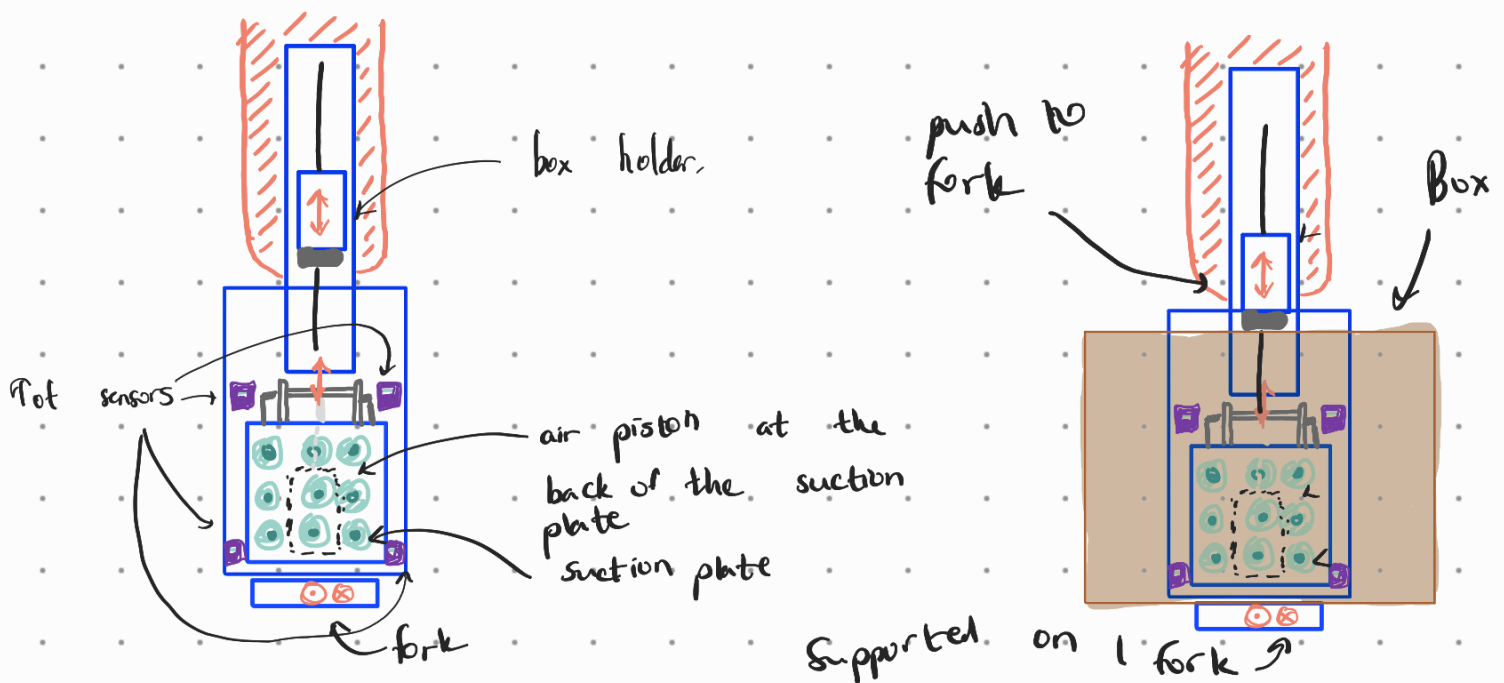
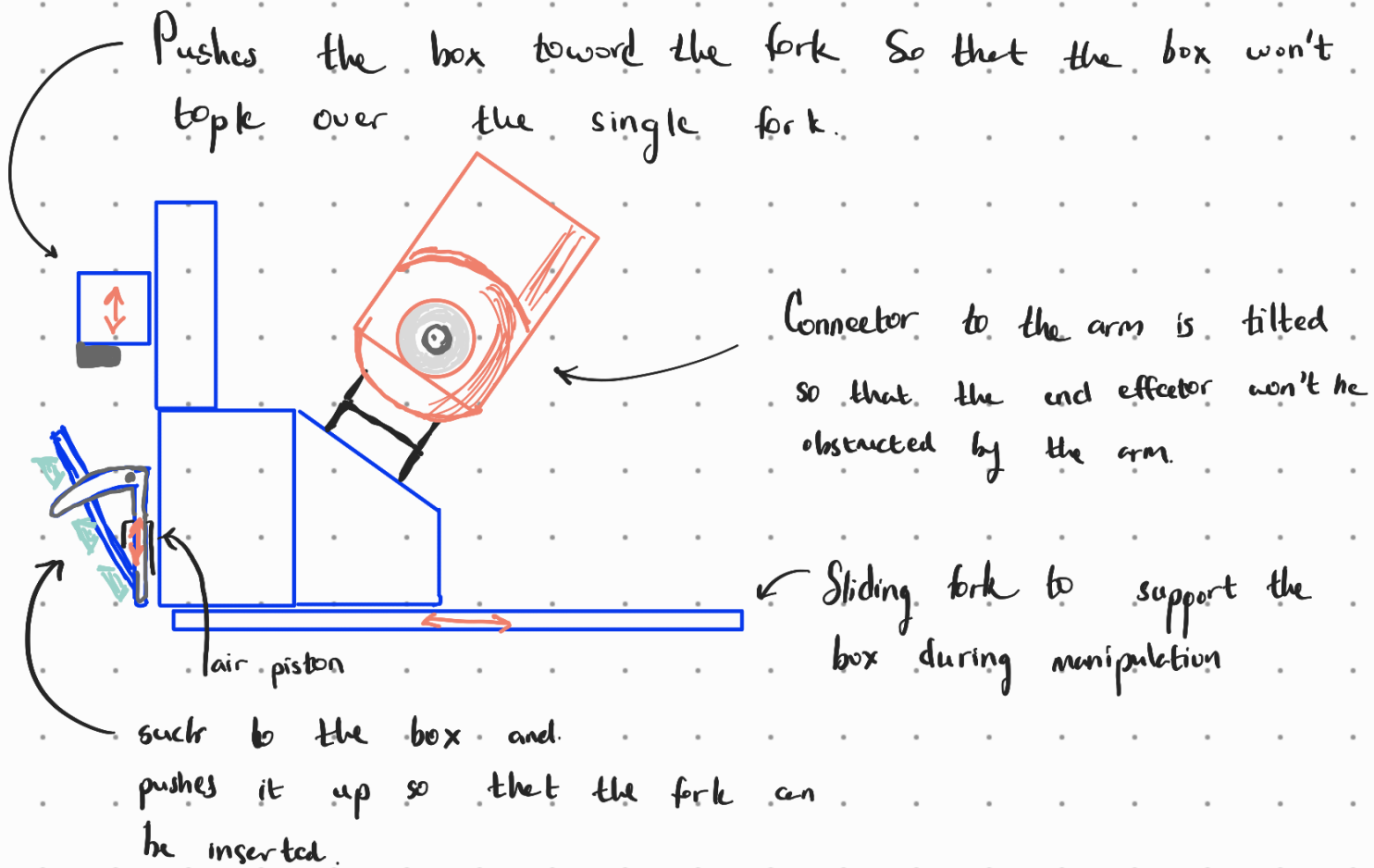


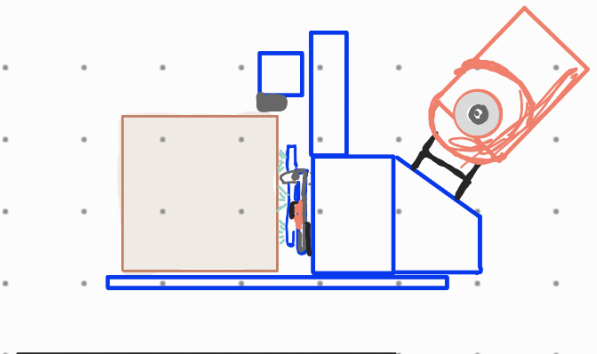
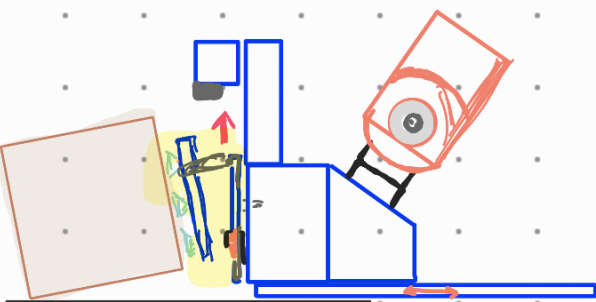
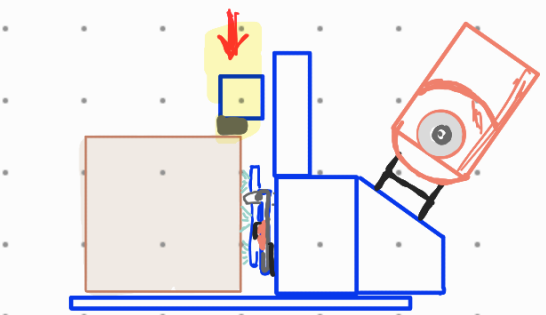
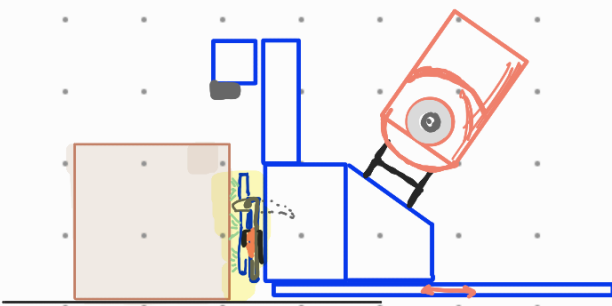
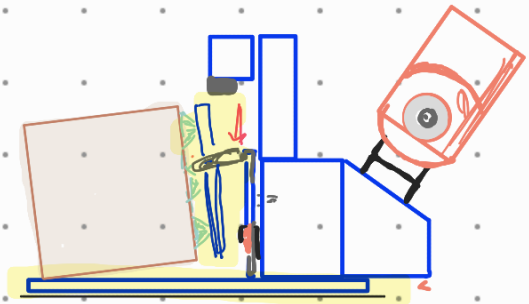
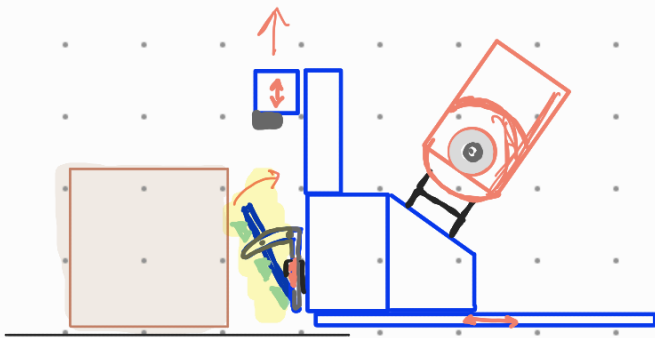
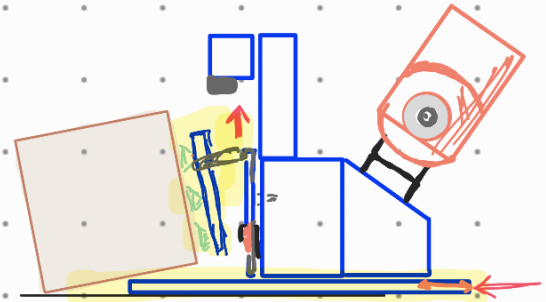
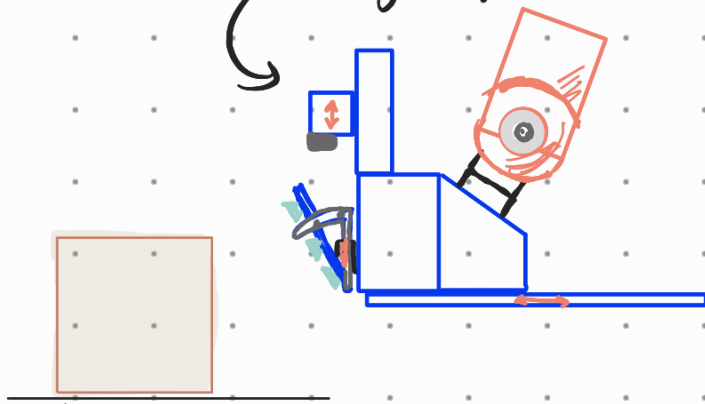
Single fork design for mixed palatizing applications.

Concept design



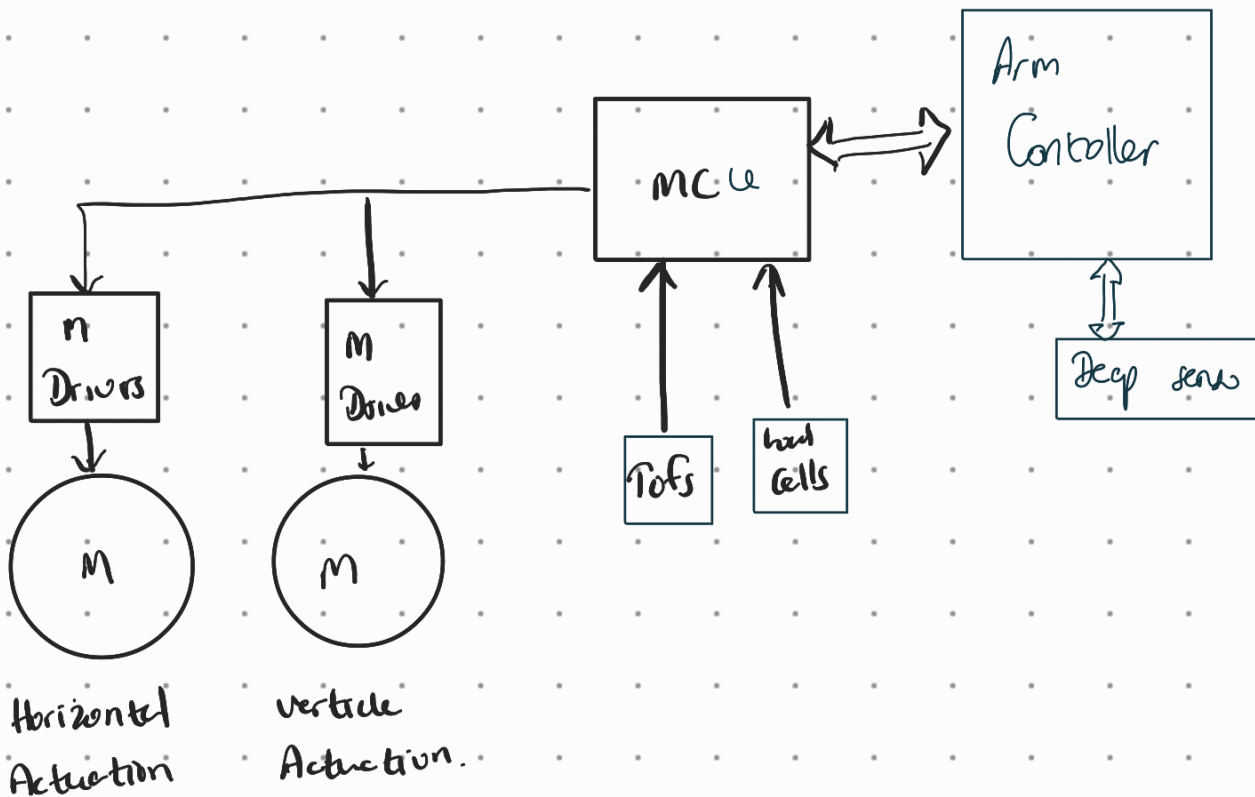
Box handling procedure

Aligning to the box



2 stepper motors
 6 ToF sensors design
 Pneumatic piston
 Pneumatic suckers.

Load cells



ToFs → Measure the relative orientation of the box respect to the manipulator.

Load cell → Determine the weight and the centre of mass.