

A Modular Soft Gripper with Combined Pneu-Net Actuators

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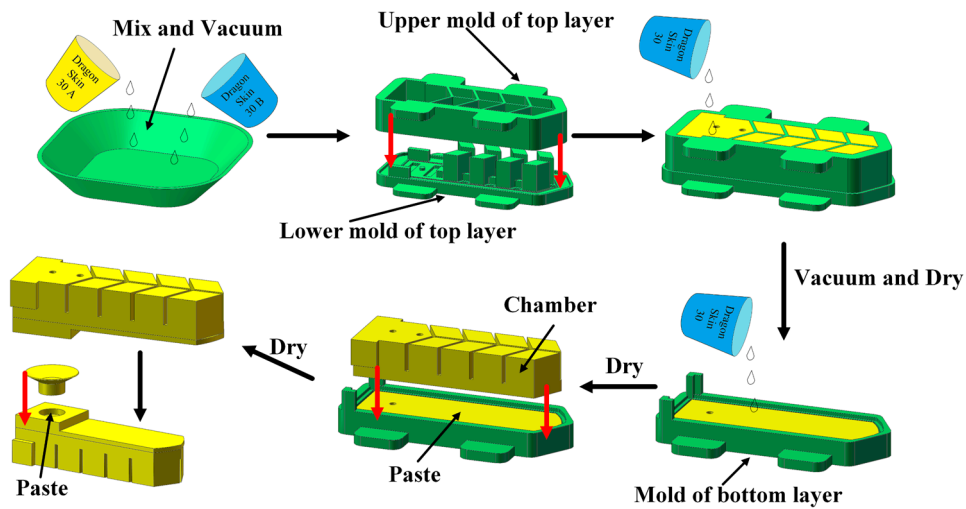


Figure S1. Schematic diagram of the actuator fabrication process.

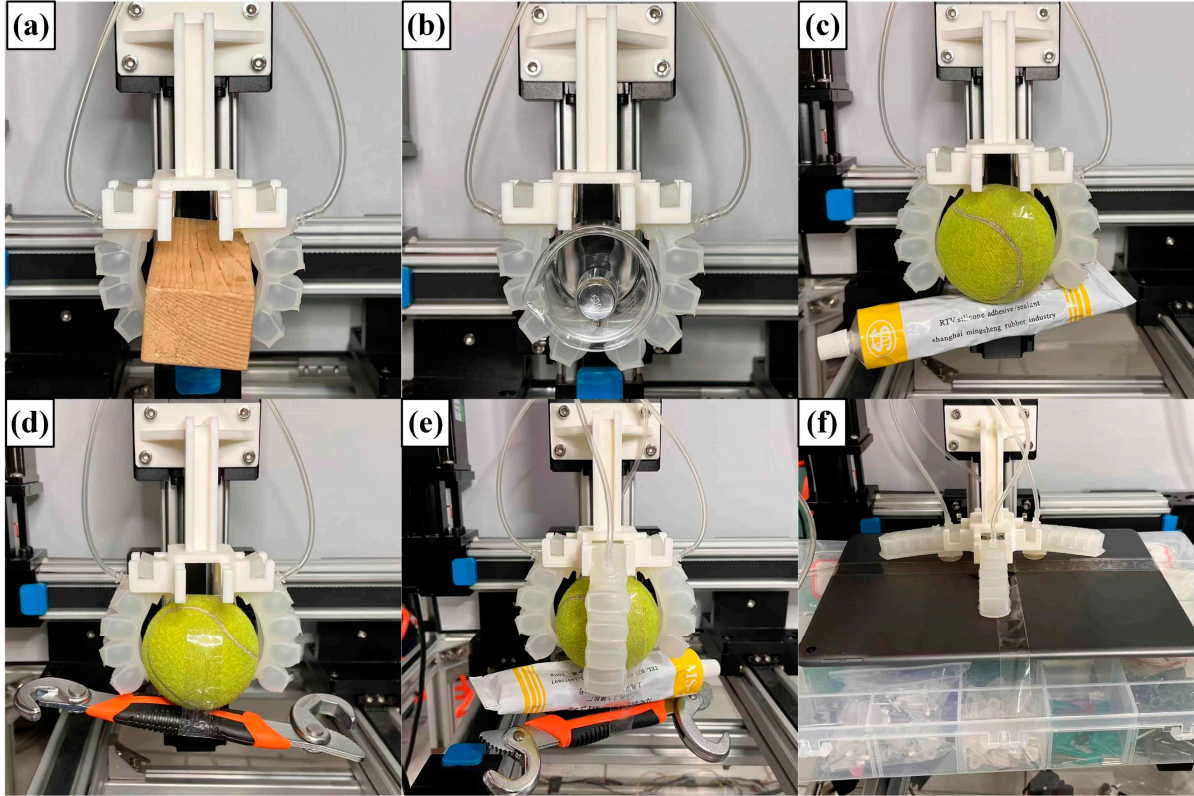


Figure S2. Snapshots of the function tests of the modular soft gripper (Sort by target weight listed in Table SIII). The test objects are: (a) a wooden block, (b) a beaker with weights, (c) a tennis and a glue, (d) a tennis and a wrench, (e) a tennis, a glue and a wrench, and (f) an ipad Air3 and a parts box.

Table S1. The required input pressures versus the longitudinal bending angles.

Longitudinal bending angle	10°	20°	30°	45°	55°
Regular	10 kPa	20 kPa	30 kPa	50 kPa	60 kPa
Herringbone	40 kPa	60 kPa	80 kPa	100 kPa	120 kPa

Table S2. Object shapes and weights.

Object	Shape	Weight (g)
Wooden block	Cuboid	52.4
Beaker with weight	Cylinder	81.0
Tennis and glue	Sphere	157.6
Tennis and wrenches	Sphere	249.6
Tennis, glue and wrenches	Sphere	354.3
Ipad Air3 and parts box	Sheet	1199.0