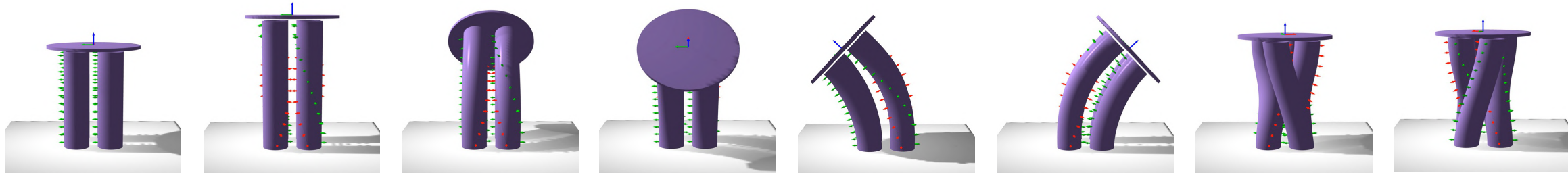
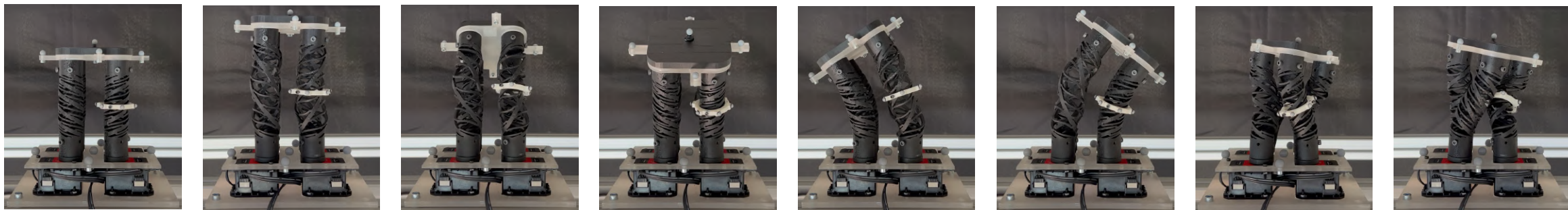


a)



b)



c)

R	L
L	R

Resting

R	L
L	R

Elongation

R	L
L	R

Bending N

R	L
L	R

Bending S

R	L
L	R

Bending W

R	L
L	R

Bending E

R	L
L	R

Twist CW

R	L
L	R

Twist CCW

HSA actuation: Initial state Right-handed elongation Left-handed elongation