

Step Number	Step Title	Parts list		Remarks
		Quantity	Part name	
<b>1</b>	Preparing the 4 Pinch Rollers	12	Bearing	
		4	Shaft	
		4	Silicon Hose Short	
		8	B-screw M5-20	
		8	Insert	
		4	Spring	
<b>2.1</b>	Preparing the Head 1	1	Head	
		2	Head Shaft	
		1	Belt Holder	
		1	Belt Fixer	
		1	C-screw M4-16	
		2	C-screw M3-25	
		3	C-screw M3-6	
		1	Endstop Sensor	
		1	Cable Gland	
		1	Solenoid	
		3	Insert	
<b>2.2</b>	Preparing the Head 1	1	Knife Holder	
		1	Knife	
		1	C-screw M3-20	
		1	Insert	
<b>3</b>	Prepare left bracket	1	Left Bracket	
		5	Insert	
<b>4</b>	Prepare right bracket	1	Right Bracket	
		1	Pulley	
		1	Shaft	

Step Number	Step Title	Parts list		Remarks
		Quantity	Part name	
<b>5</b>	Assemble main frame	1	Main Plate	
		1	Left Plate	
		1	Right Plate	
		1	Y-shaft	
		1	Silicon Hose Long	
<b>6</b>	Attach Prepared Brackets	1	Prepared left bracket	
		1	Prepared right bracket	
		6	B-screw M5-10	
		2	Bearing Holder	
		2	Nut M5	
<b>7</b>	Assemble the base	1	Bottom Plate	
		1	Top Plate	
		6	Support Spacer	
		1	Cutting Block	
<b>8</b>	Attach Profiles	2	Fillet Profile	
		6	T-nut M5	
		6	B-screw M5-10	
		4	C-screw M8-16	
<b>9</b>	Attach Inner Covers	1	Inner Cover Right	
		1	Inner Cover Left	
		6	B-screw M5-20	
		1	Magnet	
		2	C-screw M3-10	
<b>10</b>	Insert Shafts	4	Shaft	
		4	Prepared Pinch Roller	
		1	Prepared Head	
<b>11</b>	Prepare Y-motor	1	Y-motor	
		1	Motor Holder	
		2	Insert M4	

Step Number	Step Title	Parts list		Remarks
		Quantity	Part name	
		4	C-screw M3-8	
<b>12</b>	Attach Y-motor	1	Prepared Y-motor	
		2	B-screw M5-10	
		1	Coupler	
<b>13</b>	Attach X-motor and tension the belt	1	X-motor	Tension the belt by pulling the motor
		4	C-screw M3-8	
		1	Pulley	
		1	Belt	
<b>14</b>	Attach Electronics	1	Arduino Uno	
		1	CNC Shield	
		1	Little PCB	
		4	Standoff	
		6	Plastic Screw M3-8	
		2	Motor Driver	
<b>15</b>	Wiring	1	Cable Pipe	
<b>16</b>	Prepare Left Cover	1	Cable Gland	
		1	USB Inside	
		2	B-screw M3-10	
		1	Power Jack	
<b>17</b>	Attach Covers	1	Prepared Left Cover	
		1	Right Cover	
		4	B-screw M5-10	
		4	Insert	