

**Table 1 Part list and estimated cost for the OpenWSI system**

	Item	Specification	Amount	Cost (Unit)	Company
<b>Standard Part</b>	Aluminum Breadboard	MB12 12" x 12" x 1/2"	1	\$151.0	Thorlabs
	Optical Posts	TR2 Ø1/2", L = 2"	5	\$5.19	Thorlabs
	Post Holders	UPH2 Ø1/2", L = 2"	1	\$32.04	Thorlabs
	Lens Tube Slip Rings	SM2RC Ø2.20"	1	\$30.99	Thorlabs
	Kinematic Mount	KC1-T	1	\$97.45	Thorlabs
	Microscope Slide Clips	SLH1	1	\$44.39	Thorlabs
	Camera	DFK 33UX183	1	\$675.0	The Imaging Source
	Camera Lens	Canon EF - 100mm - f/2.0	1	\$499.0	Amazon
	Base	MYSWEETY DIY CNC Engraving Machine	1	\$169.89	Amazon
	Ball Bearings	LMK8UU Square Ball Bearings, 25 x 25 x 24 mm	4	\$6.51	Amazon
	Arduino Board	Arduino UNO, ATmega328P	1	\$14.99	Amazon
	Objective Lens	Plan Apo 20x 0.75, DIC N2, ∞/0.17	1	\$250 (used)	eBay
	LED	DotStar 8x8 Grid, RGB LED Matrix	1	\$24.95	Adafruit
<b>Custom-made</b>	Sorbothane Sheet	SB12C 5" x 2" x 1/2"	2	\$8.0	Thorlabs
	Aluminum Extrusion 20 x 40mm	20 x 40 x 100 mm	1	\$14.4	Amazon
	Aluminum Extrusion 20 x 100mm	20 x 100 x 180 mm	1	\$3.0	Amazon
	Slide Holder	Acrylic sheet, 1/4", 152 x 94.6mm	1	\$2.5	Amazon
	Z-Stage Board	Acrylic sheet, 1/4", 100 x 46 mm	2	\$0.75	Amazon
	Objective Lens Holder	80 x 75 x 12 mm	1	\$0.4	3D Printed
	Z-Stage Motor Holder	100 x 42 x 7 mm	1	\$0.4	3D Printed
	LED Holder_1	100 x 152 x 4 mm	1	\$0.4	3D Printed
	LED Holder_2	34.4 x 36 x 5 mm	1	\$0.2	3D Printed

	Right-Angle Bracket 1	28 x 28 x 3 mm	4	\$0.2	3D Printed
	Right-Angle Bracket 2	33 x 28 x 3 mm	4	\$0.2	3D Printed
	Right-Angle Bracket 3	40 x 21.7 x 4 mm	2	\$0.2	3D Printed
	Right-Angle Bracket 4	40 x 21.7 x 4 mm	2	\$0.2	3D Printed
			<b>Total</b>	<b>\$2083.3</b>	