

Item ID	Component	Supplier	Amount	Price/unit (EUR)	Total (EUR)	Notes/comments	
General tools							
a	Spanner wrench 1	see P1*	1	24,2	24,2	*see P1- Shopping & Machining List <a href="https://github.com/kavli-ntnu/MINI2P_toolbox/blob/main/Protocols/">https://github.com/kavli-ntnu/MINI2P_toolbox/blob/main/Protocols/</a>	
b	Fiber stripping tool		1	30,3	30,3		
c	Fiber cleaver		1	1475,1	1475,1		
d	Spanner wrench 2		1	26,4	26,4		
e	UV Curing LED system		1	2236,1	2236,1		
f	Handheld laser source (635nm)		1	659,0	659,0		
f	Single mode patch cable		1	66,1	66,1		
g	Power and energy meter		1	1078,2	1078,2		
g	Photodiode power sensor		1	328,7	328,7		
h	Green LED (530 nm)		1	381,1	381,1		
i	NIR detector card		1	81,4	81,4		
j	Lens cleaning tissues		1	10,1	10,1		
k	Foam cotton bud & swabs		1	557,4	557,4		
l	Optical adhesive		1	34,5	34,5		
m	Splice protector sleeve		1	14,2	14,2		
n	Distortion grid with 50um frid spacing		1	231,9	231,9		
o	Silicone rubber back glue		1	4,4	4,4		
p	Epoxy (black)		1	5,0	5,0		
q	Heat gun		1	50,0	50,0		
r	Pulsed Check autocorrelator		1	10000,0	10000,0		
s	Base to fixate Pulse Check on Optical Breadboard		1	114,0	114,0		
t	M2x5H Phillips 7985225		>10		5,0		
u	M3x3mm Pan Head Pozidriv Machine Screw DIN7985		>3		5,0		
v	M4 capscrews kit		1	5,0	5,0		
w	Air duster Green PRF		1	5,0	5,0		
x	Black rubber spray		1	5,0	5,0		
Core optics module							
1	Nexus breadboard		1	695,6	695,6		
2	Sorbothane feet		1	31,0	31,0		
3	Fiber adapter plate		1	28,5	28,5		
4	Adjustable mirror mount		2	145,2	290,4		
5	Rotation mount & M3 screw		1	86,4	86,4		
6	M6 cap screws kit		1	120,8	120,8		
7	Heat shrinkage tubings		1	5,0	5,0		
	Wolida Ø0.6/0.4mm		1	7,5	7,5		
	2:1 ratio 2.5mm		1	10,0	10,0		
	Distrelec 3mm		1	10,0	10,0		
8	3 axis Microblock stage		1	1104,0	1104,0		
9	XYZ Translation stage		1	1155,4	1155,4		
	right-angle bracket		1	31,4	31,4		
10	Compatible flexure stage mount		1	55,7	55,7		
11	Fiber clamp		1	336,1	336,1		
12	Fixed mounting bracket		1	68,6	68,6		
13	SM05 Threaded adapter to laser source		1	30,5	30,5		
14	Kinematic cage cube		1	252,1	252,1		
15	Kinematic cage cube base		1	148,3	148,3		
16	Lens tubes		4	11,8	47,2		
17	End cap for machining		1	17,8	17,8		
18	Coupler		3	20,1	60,2		
19	Optical beam shutter with controller for PMT		1	874,2	874,2		
20	Post mounting adapter		1	71,1	71,1		
21	Coupling box		1	270,0	270,0		
22	Coupling box cup		1	80,0	80,0		
23	Coupling holder		1	16,0	16,0		
24	Coupling protector		1	70,0	70,0		
25	Collimator assemble tool		1	35,0	35,0		
26	Collimator holder		2	65,0	130,0		
27	Control box shell		1	90,0	90,0		
28	Control box cup		1	40,0	40,0		
29	Toptica FemtoFiber ultra 920		1	49000,0	49000,0		
	FF ULTRA 920 OPT AOM		1	3900,0	3900,0		
	Warranty extension 12 months (optional)		0	1331,0	0,0		
	Delivery		0	1109,0	0,0		
30	Tapered fiber bundle (TFB) XMLG, Ø.027"x98.4"[2.5 m]*		SCHOTT	1	1404,1		1404,1 **
31	Hollow-core PCF, HC-920 (price per m)			2,5	800,0		2000,0
32	Glass rods (ZF62) GLA-10x150-AR800-1100 (set of 10)			0,3	154,9		46,5
33	Glass flange TUB-1.8x7-0.155 (set of 100)			0,02	756,8		15,1
34	Prisms MRA12-P01		8	67,8	542,5		
35	Emission filter 525nm		1	240,0	240,0		
36	Emission filter 630 nm		1	240,0	240,0		
37	Shortpass filter 750nm		1	122,1	122,1		
38	Dichroic mirror 567nm cut-on		1	236,9	236,9		
39	Aspheric condenser lens		3	27,2	81,7		
40	Coupling lens		1	73,1	73,1		
41	Half-Wave plate		1	430,5	430,5		
42	Protected silver mirrors		2	29,9	59,7		
43	Collimating lens		1	213,0	213,0		
44	MEMS driver controller T180		1	440,0	440,0 **	requests minimum order >= 5 units	
45	BNC to SMA cables		2	100,0	200,0		
46	DSUB15 connector plug (male) - pack of 5		0,4	7,9	3,2		
47	Backshell		2	5,0	10,0		
48	DSUB15 Connector Socket (female) - set of 5		0,4	152,1	60,8		
49	6-pin connector for MEMS		1	1,0	1,0		
50	Single wire cables (6x2m) price per m		12	3,3	39,6		
51	µTLens Driver		1	655,8	655,8		
52	PMT		2	6251,1	12502,1		
53	Controller for shutter		1	925,6	925,6		
Scope mounting module							
54	Aluminum optical breadboard		1	693,6	693,6		
55	Sorbothane feet		1	31,0	31,0		
56	One-sided construction rail (95x500mm)		1	139,8	139,8		
57	Rail carriage		1	121,6	121,6		
58	Precision construction rail L=400		1	147,2	147,2		
59	Post Mounting Clamp		1	92,8	92,8		
60	Manual Rotation Stage		1	266,4	266,4		
61	Base for item 58		1	50,9	50,9		
62	Optical post		2	5,3	10,7		
63	Running wheel hardboard		0,25	64,5	16,1		
64	M6 spacers & washers (set of 100)		0,05	4,6	0,2		
65	Spacer on both sides of wheel		2	11,5	23,0		
66	Bearing OD 19mm ID 6mm		1	6,3	6,3		
67	Right-angle clamp		1	31,0	31,0		
68	Pillar posts		2	23,1	46,2		
69	Universal post holder		3	33,8	101,4		
70	Locking Ball and Socket Mount		8	57,2	457,8		
71	Adapter camera-lens		2	22,4	44,7		
72	MINI2P Holder P1		1	50,0	50,0		
73	MINI2P Holder P2		1	50,0	50,0		

74	MINI2P Holder P3		1		50,0	50,0	
75	MINI2P Holder P4		1		60,0	60,0	
76	Wheel Holder		1		50,0	50,0	
77	Headbar holder & screw		1		80,0	80,0	
78	LED & accessories						
	850nm IR LED array light source		1		285,3	285,3	
	LED 5m cable		1		16,8	16,8	
	Adapter		1		0,8	0,8	
	Supply for LED		1		15,0	15,0	
79	Zelux 1.6 MP Monochrome CMOS Camera		1		407,3	407,3	
80	Lens focal lenght 4.5mm		0		475,2	0,0	
	or 8.5mm for lateral and frontal camera monitoring		1		611,6	611,6	
81	Basler camera for animal Tracking		1		1189,0	1189,0	
82	DC motors		3		3300,0	9900,0	
	DC motor cable 3m		3		100,0	300,0	
Mobile cart module							
83	Mobile cart		1		1224,5	1224,5	
84	Optical breadboard 600x900x55mm		1		1078,2	1078,2	
85	Optional drawer		1		163,3	163,3	
86	19-inch rack		1		893,4	893,4	
87	Span-in nuts (packs of 5)		2		5,3	10,7	
88	Workstation Dell 7080		1		1720,0	1720,0	
89	curved LED monitor		1		1408,0	1408,0	
90	vDAQ card		1		15744,0	15744,0	
91	vDAQ breakout board		1		0,0	0,0	
92	Monitor controller for DC motors		1		3560,0	3560,0	
93	Controller for 920nm laser		1		0,0	0,0	
94	USB-hub (7) ports		0		45,0	0,0	
95	BNC male to BNC male	>10			16,5	165,3	
	BNC adapters femal-female	>10			7,0	70,1	
96	BNC to SMA Male connector		2		18,0	180,4	
97	SMC connector		2		34,3	342,6	
98	SMA to SMA cable		2		17,9	179,4	
99	Power supply for μTLENS driver		1		108,9	1088,8	
100	ScanImage basic license		1		1353,0	13530,0	
101	Other software		1		0,0	0,0	
MINI2P miniscope							
102	Scope Body P1		1		185,0	185,0	
103	Scope Body P2		1		85,0	85,0	
104	Scope Body P3		1		65,0	65,0	
105	Stitching Adapters		5		105,0	525,0	
106	Baseplate		5		70,0	350,0	
107	Alignment Tool		1		60,0	60,0	
108	Screws for MINI2P M1.2, M1.6						
	M1.2 kit		1		7,0	7,0	
	M1.6 set of 100 pcs (half)		0,2		60,5	12,1	
109	Scan Lens		1		202,4	202,4	
110	Dichroic Mirror		1		15,8	15,8	
111	Objective1 water+glass		0			0,0	
112	Objective2 air		0			0,0	
113	Objective3 D0277-3X water/air+glass		1		3432,0	3432,0	
	Water/air+glass					0,0	
114	μTLENS & accessories (4 stacked μTLENS)						
	4 Stacked μTLENS (10% discount)		4		270,0	1080,0	
	Male-pin		1		10,7	10,7	
115	Fast MEMS (MEMS-F)	Mirrorcle	0		387,2	0,0	** requests minimum order >= 5 units
116	Large-angle MEMS (MEMS-L)	Mirrorcle	1		396,0	396,0	** requests minimum order >= 5 units
117	MEMS PCB & others	>2			5,0	10,0	
	Female-pin	>2			14,1	28,2	
				Costs (EUR)*	MINI2P platform (EUR)	135 228	Notes
					Miniscope (EUR)	6 464	It does not include Basler camera
					Animal tracking (EUR)	1 189	Basler camera
					General tools (EUR)	17 433	
					without autocorrelator (EUR)	7 433	as many optical labs have this in-house
					*Estimation based on costs as of January 2022		
					Total platform+miniscope (EUR)	141 692	