

	category	Item #	Description	Amount	Cost/unit	Currency	Conversion	Total (FCFA)	Photos	Receipt
	Tools and materials	1	Tin snips	2	0.00 [1]	USD	541	0		
			Solder	1	6.99	USD	541	3782		
			electrical tape	1	1.99	USD	541	1077		
			Wire strippers	1	0.00 [2]	USD	541	0		
		2	Geometry Set	1	3.99	USD	541	2159		
		3	Box of wire nuts	1	7.99	USD	541	4323		
		4	Soldering Iron	1	14.95	USD	541	8088		
		5	Kaiweets multimeter	1	35.99	USD	541	19471		
		6	5V fans	2	5.00	USD	541	5405		
	CNC Machine	7	CNC Motors and Driver Kit	1	102.69	CAD	428	43953		
			Nema 17 motors	3	0.00 [3]	CAD	428	0		
			Drivers	4	0.00 [4]	CAD	428	0		
			End limits	3	0.00 [5]	CAD	428	0		
			Cables	2	0.00 [6]	CAD	428	0		
			Arduino	1	0.00 [7]	CAD	428	0		
			CNC cover	1	0.00 [8]	CAD	428	0		
		8	Spindle Kit	1	146.74	CAD	428	62805		
			Dremmel bit sets	2	22.59	CAD	428	19336		
			Milling motor	1	0.00 [9]	CAD	428	0		
			Power converter	1	0.00 [10]	CAD	428	0		
			Clamp	1	0.00 [11]	CAD	428	0		
			Collets	13	0.00 [12]	CAD	428	0		
		9	12 mm linear bearings	20	2.99	CAD	428	25565		
			608 zz bearings	20	1.48	CAD	428	12635		
			8 mm to 12 mm coupler	6	2.62	CAD	428	6723		
			GT2 timing belts	6	2.07	CAD	428	5315		
		10	M3 x 20 screws	12	0.00	CAD	428	0		
			M3 x 16 screws	32	0.00	CAD	428	0		
			M5 x 16 screws	15	0.00	CAD	428	0		
			M5 x 10 screws	50	0.00	CAD	428	0		
			M5 Tnuts	100	0.32	CAD	428	13726		
			54 mm standard jack	200	0.05	CAD	428	4682		
			8-32 x 0.5" screws	100	0.00	CAD	428	0		
			10 - 24 x 1" screws (M6 eq)	16	0.00	CAD	428	0		
		11	Nema 17 motors	3	22.60	CAD	428	29014		
		12	400 mm Lead screws T-8	4	11.29	CAD	428	19336		
			12mmx400mm rod	5	26.75	CAD	428	57239		

		13	2020 T-slot aluminum x 300mm	5	2.25	CAD	428	4812		
			2020 T-slot aluminum x 600mm	2	2.25	CAD	428	1925		
	Arduino	14	Mega 2560 r3 DIY kit	2	29.99	USD	541	32449		
		15	Basic Starter kit	2	29.99	USD	541	32449		
		16	201 Starter kit	2	89.99	USD	541	97369		
		17	Arduino Uno r3	2	9.99	USD	541	10809		
			8266 Wifi module	3	5.99	USD	541	9722		
			6M GPS	3	16.99	USD	541	27575		
			USB data cable A to B	2	14.99	USD	541	16219		
	Electronic components	18	LCD displays	12	2.50	USD	541	16214		
			5V voltage reg with LCD	1	6.00	USD	541	3243		
			5V voltage reg 24V	2	4.50	USD	541	4864		
			DC switches	14	0.75	CAD	428	4509		
			Thermocouple with LCD	1	10.49	USD	541	5675		
			5V Micro USB charge controller	26	2.21	CAD	428	24546		
			L298N Stepper Motor Driver	2	9.60	CAD	428	8217		
	Ventilator Project	19	AndyMark motor and reducer 188:1	1	162.57	USD	541	87950		
			30A micro controller	1	103.70	USD	541	56102		
		20	Full face mask	1	0.00	CAD	428	0		
	Julvain Proje	21	silcone tube 10 ft	1	5.49	USD	541	2970		
			Micro motor and econd	1	26.54	CAD	428	11361		
			Mini air compressor	1	10.29	USD	541	5567		
	Drilling and Driving Tools	22	RYOBI Drilling and driving kit	1	56.48	CAD	428	24172		
			RYOBI Drill bit set	1	33.88	CAD	428	14500		
			RYOBI Tapping set	1	36.39	CAD	428	15573		
			C-clamps	3	2.00	CAD	428	2568		
			Allen Key sets	2	0.00 [13]	CAD	428	0		
	Multimeter fuses	23	0.5 A x 32mm	2	11.77	CAD	428	10079		
			0.5 A x 20 mm	10	1.13	CAD	428	4832		
			10 A x 32 mm	5	5.84	CAD	428	12502		
			10A x 20 mm	10	1.13	CAD	428	4832		
	Thermal insulators and conductors	24	Thermal glue	4	3.00	USD	541	6487		
			JB weld	1	14.66	CAD	428	6273		
			Thermal conductive tape	1	16.99	USD	541	9192		
			Cork insulation	15	0.66	USD	541	5350		
	Electrical wire	25	22 AWG DC 5 pack	1	14.99	USD	541	8110		
			30 AWG DC 6 pack	1	11.99	USD	541	6487		
			18 AWG 2 pin black	1	10.99	USD	541	5946		
	Computer		12 V DC fans	2	8.50	USD	541	9192		

	Computer accessories	26	Assorted computer cables	1	0.00	USD	541	0		
			Webcam	1	39.99	CAD	428	17116		
	PowerStove Prototype	27	TEC 1 -12706	20	2.30	USD	541	24875		
			TEC 1-12710	15	3.95	CAD	428	25384		
			TEC 1-12712	18	5.20	USD	541	50618		
		28	Screws and scraps	5	0.00	CAD	428	0		
		29	Circuit Board	1	0.00	CAD	428	0		
		30	Heat sink	1	5.99	USD	541	3241		
			Heat sink assembly	1	0.00	CAD	428	0		
			Mounting plate	1	0.00	CAD	428	0		
			Burner plates	4	0.00	CAD	428	0		
		31	Metal components	8	0.00	CAD	428	0		
	Power Tools	32	Jig Saw	1	79,480.00	FCFA	1	79480		
		33	Drill (with cord)	1	55,000.00	FCFA	1	55000		
		34	Drill (cordless)	1	45,000.00	FCFA	1	45000		
		35	Grinder (meleuse)	1	25,000.00	FCFA	1	25000		
		36	Grinder blades	2	500.00	FCFA	1	1000		
		37	Circular saw	1	25,000.00	FCFA	1	25000		
		38	Blower	1	5,000.00	FCFA	1	5000		
		39	Stick Welder	1	55,000.00	FCFA	1	55000		
		40	Weld sticks (box)	1	2,000.00	FCFA	1	2000		
	Hand Tools	41	Hacksaw (metal handsaw)	1	2,000.00	FCFA	1	2000		
			Wood Saw (wood handsaw)	1	2,000.00	FCFA	1	2000		
		42	Hammer	1	1,000.00	FCFA	1	1000		
		43	Crowbar	1	1,000.00	FCFA	1	1000		
		44	Large C-clamps	5	0.00	FCFA	1	0		
		45	Tin snips	1		USD	541	0		
		46	Riviter	1	2,000.00	FCFA	1	2000		
		47	Wrenches	4	0.00	FCFA	1	0		
		48	Rachet Set	1	2,000.00	FCFA	1	2000		
		49	Chisels	4	250.00	FCFA	1	1000		
		50	Razor Knife	1	500.00	FCFA	1	500		
		51	Pliers	1	500.00	FCFA	1	500		
		52	Side Cutter	1	500.00	FCFA	1	500		
			Bolt Cutter	1	500.00	FCFA	1	500		
		53	Files	5	400.00	FCFA	1	2000		
		54	Screw driver set	6	300.00	FCFA	1	1800		
		55	Allen Key sets	2	7.90	CAD	428	6761		
		56	Wire strippers	1	6.99	USD	541	3782		

		57	Measuring Tape	1	500.00	FCFA	1	500		
		58	6" Level	1	0.00	FCFA	1	0		
		59	Needle nose pliers	1	500.00	FCFA	1	500		
		60	Soldering Iron	1	2,000.00	FCFA	1	2000		
	PPE	61	Hard Hats	2	1,000.00	FCFA	1	2000		
			Welders mask	1	2,000.00	FCFA	1	2000		
			Faceshield	1	4,000.00	FCFA	1	4000		
			Respirator	3	7,000.00	FCFA	1	21000		
			Welding gloves	2	2,000.00	FCFA	1	4000		
			Work gloves	2	1,000.00	FCFA	1	2000		
			Garden gloves	2	700	FCFA	1	1400		
			Safety Glasses	4	700.00	FCFA	1	2800		
			Total Gloves (blue)	1	2,000.00	FCFA	1	2000		
	Machines	62	Laser Cutter: ORION MOTORTECH 50W	1	2,267.79	EUR	656	1487670		
		63	3D Printer: Prusa I3	1	899.73	EUR	656	590223		
		64	3D Printer: Anet 8	1	300	EUR	656	196800		
		65	Desktop CNC constructed (cost above)	1	0 [14]	USD	541	0		
		66	3D Scanner (Sense 2 handheld)	1	485.12	USD	541	262450		
		67	3D printer filament (kg)	15	20.99	EUR	656	206542		
	Other	66	balance/scale	1	5000	FCFA	1	5000		
		67	import duty (CNC)	1	130,000	FCFA	1	130000		
			<b>Total</b>					<b>4,319,211</b>	<b>FCFA</b>	
								<b>1,575,527</b>	<b>PAID BY PAUL CAIRNS</b>	

[1] Accounted for in HandTools Section below

[2] Accounted for in Handtools below

[3] Included in CNC Kit

[4] Included in CNC Kit

[5] Included in CNC Kit

[6] Included in CNC Kit

[7] Included in CNC Kit

[8] Included in CNC Kit

[9] Included in Spindle Kit

[10] Included in Spindle Kit

[11] Included in Spindle Kit

[12] Included in Spindle Kit

[13] Accounted for in Handtools Below

[14] Accounted for in CNC machine above - Items 7-13