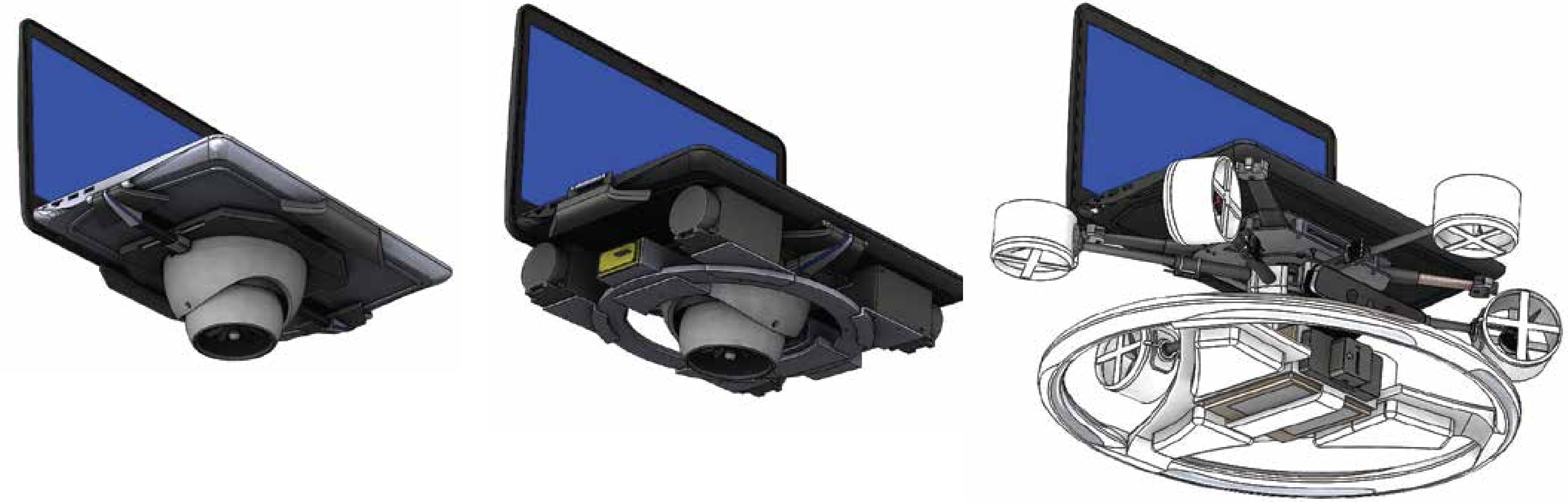
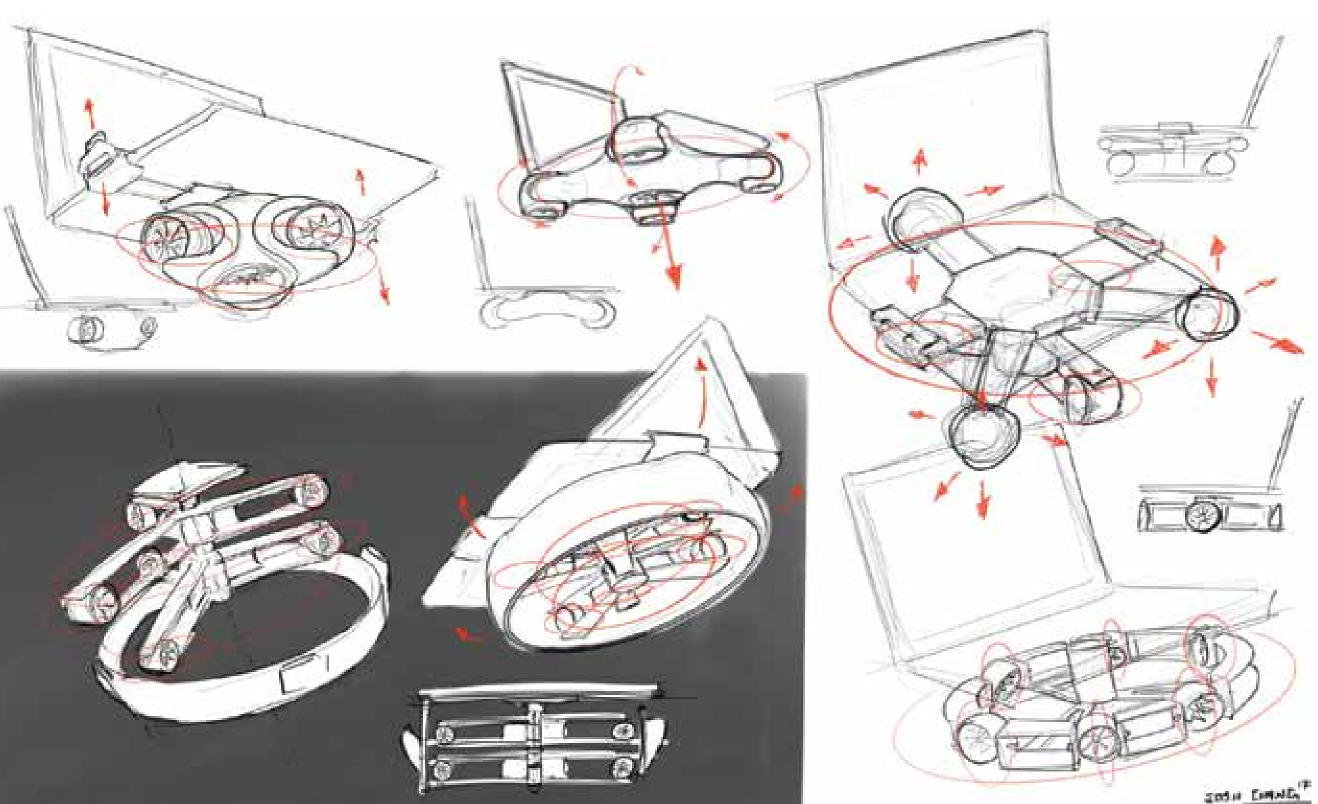
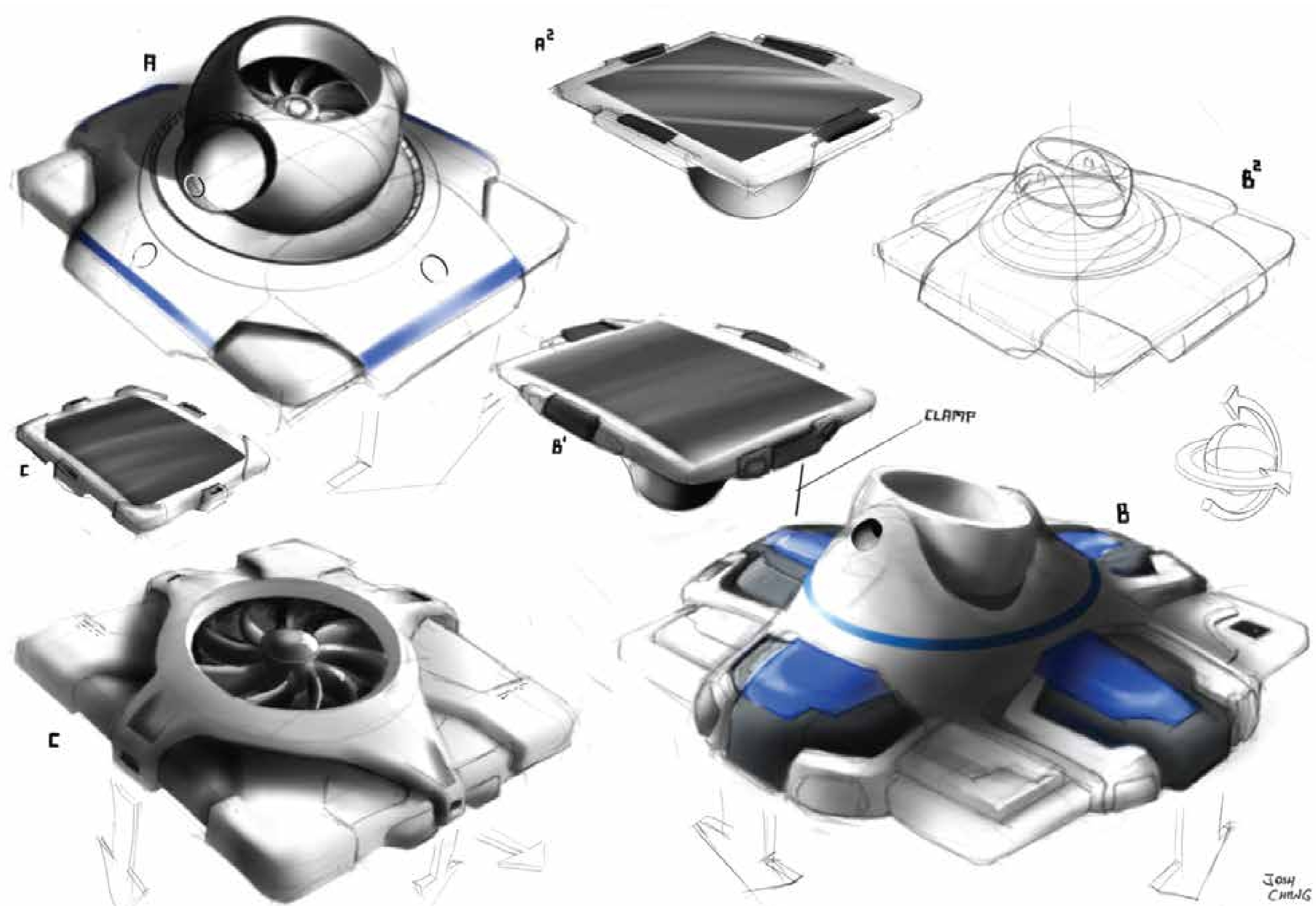
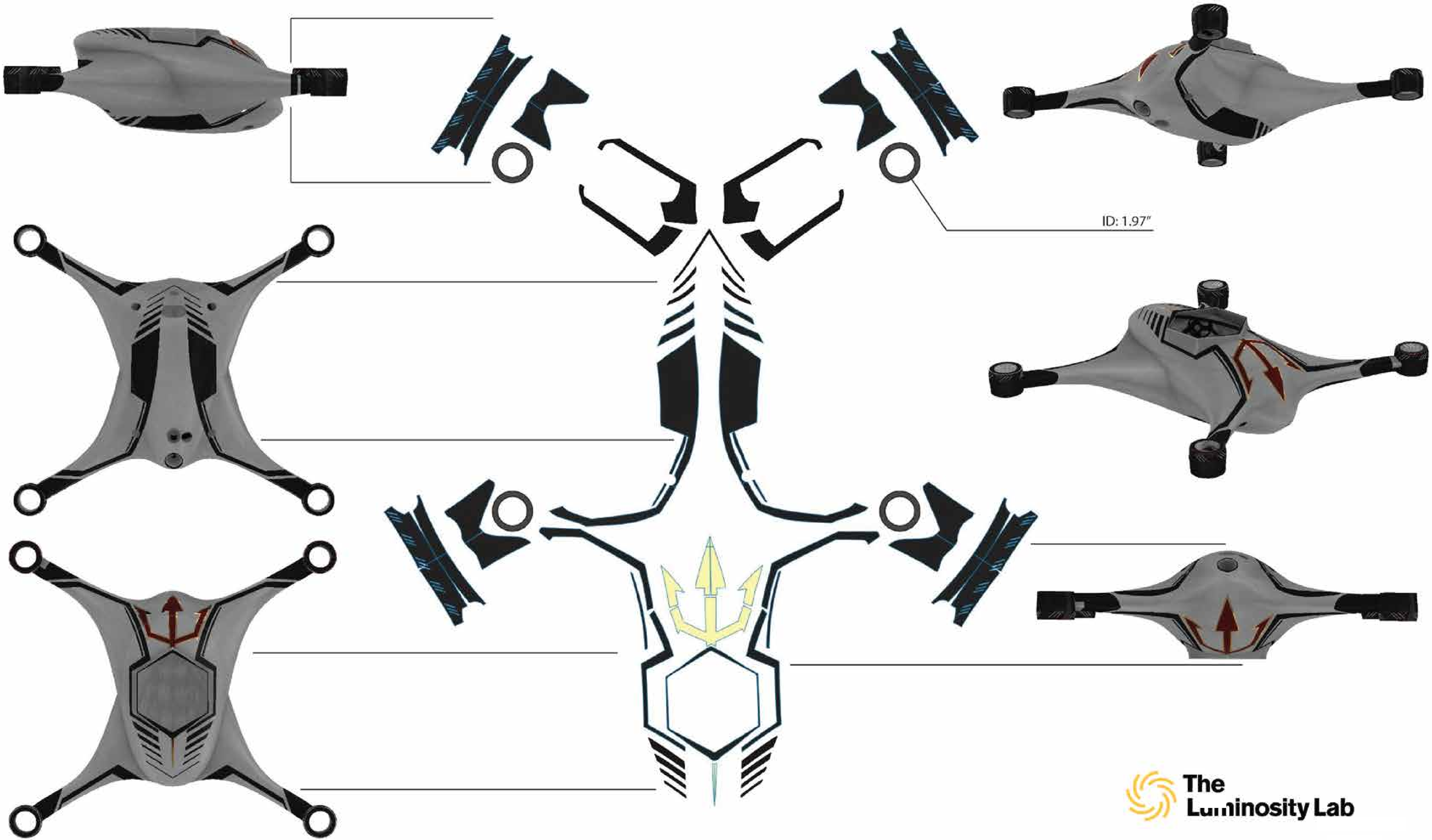
NASA/ HP HOVER PRO



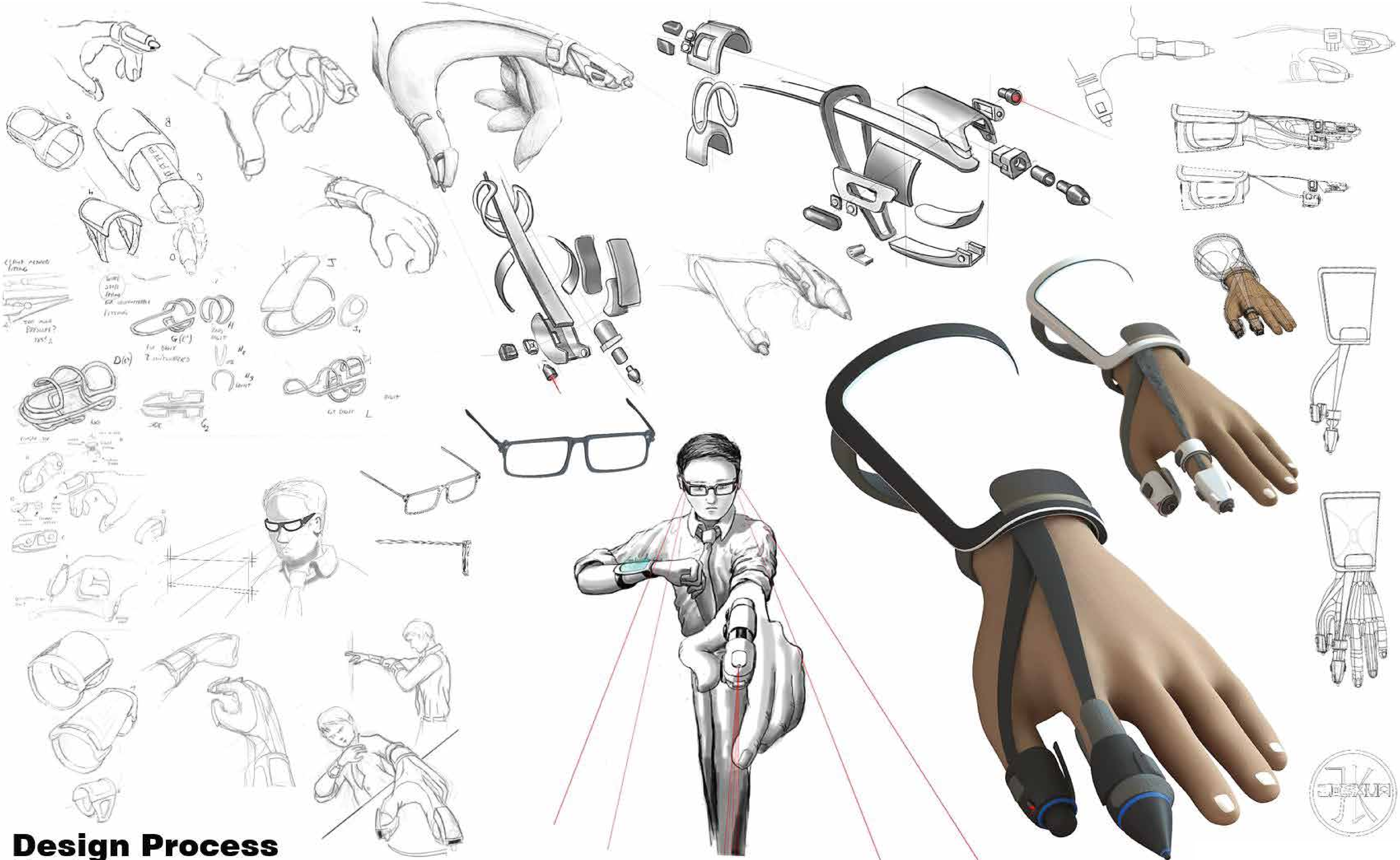
Imagine you are an astronaut aboard the International Space Station. The first thing you'll do is check your laptop to see what you have to do that day. Any disruption will throw off your pace and so you don't want your laptop floating away while you work.







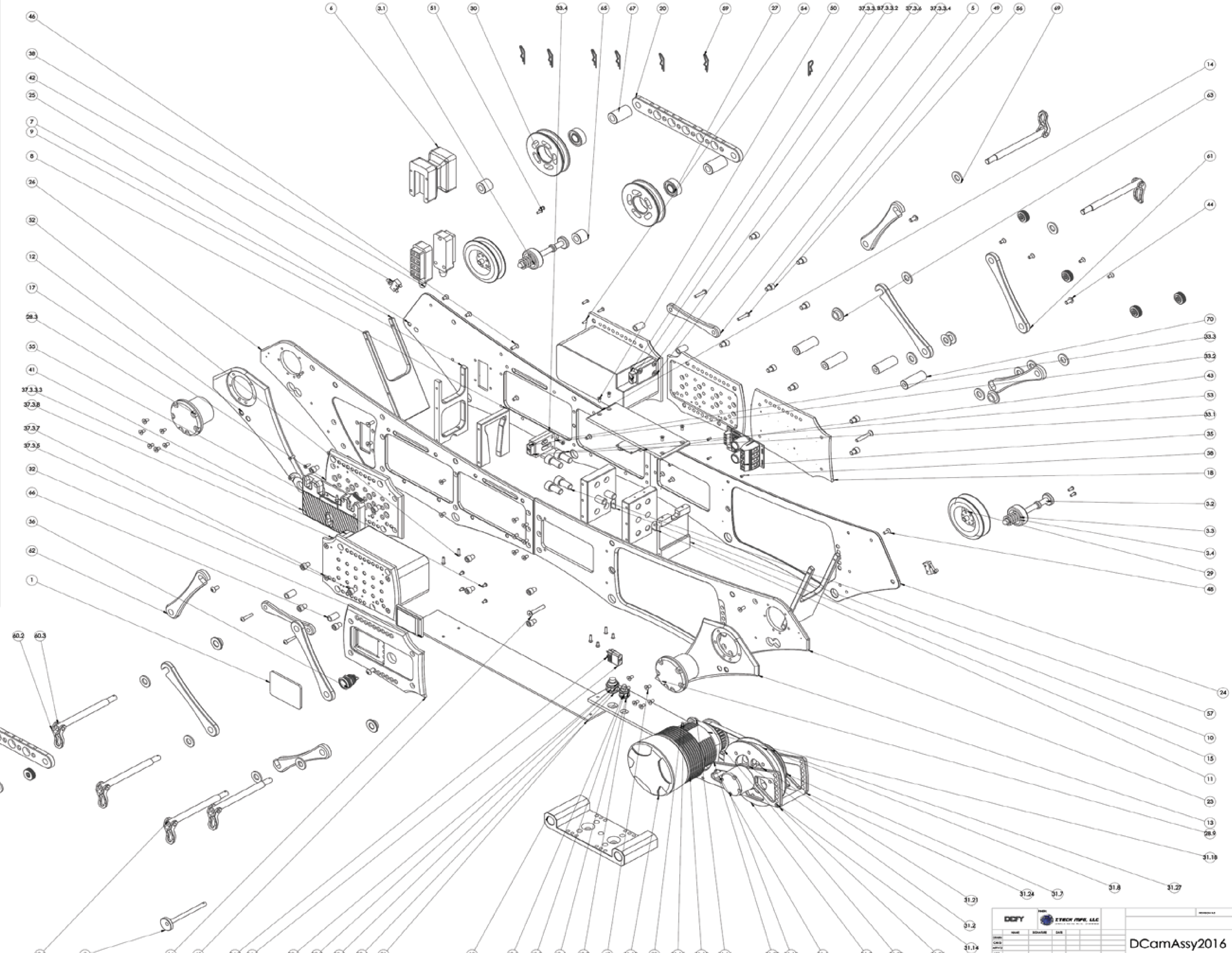
The Luminosity Lab



Design Process

Omnilux

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	DP0207_ESCWindow		1
2	DP0131_R2_Dactvlcam QR Pin		1
3	LargeSafetPin Assy		2
3.1	DP0230_12mmSafetyPin		1
3.2	DP0232_StopPin Cap		1
3.3	DP0233_SafetyPin Pin		1
3.4	Spring		1
4	11mm Rope		2
5	DP0142_ Handle arm 2		2
6	4port plate		1
7	DP0072_End Bulkhead		2
8	DP0074_SmallBulkhead		1
9	DP0073_R3_LargeBulkhead		1
10	DP0076_R2_CentreBulkheadBattery		1
11	DP0077_CentreBulkheadMotor		1
12	DP0093_R4_End Plate B		1
13	DP0093_R4_End Plate A		1
14	DP0126_ECU LID		1
15	DP0127_R2_ECU End Plate		1
16	DP0075_R3__ESC FrontPLate		1
17	DP0067_R3_BatteryBackPlate		2
18	DP0068_R2_ESC Back Plate		1
19	DP0190_GimbalSwingPlate		1
20	TrayBar		2
21	DP0134_R2_BatteryTray		1
22	DP0128_R2_MotorFrameTray		1
23	DP0062_R2_MotorFrameFront_holemod		1
24	MotorFrontPlate_R2 B		1
25	DP0065_R2_Battery Frame Rear		1
26	DP0064_R2_Battery Frame Front		1
27	AFBMA 20.1 - 20-12 - 12.SI,NC,12		2
28	FlywheelAssyV4		2
28.1	bearing_25_37_10		1
28.2	DP0135_5_16Th Flywheel with Encoder		1
28.3	DP0136_R2_FlywheelHub		1
28.4	DP0138 FlyWheel Bearing Retainer		1
28.5	DP0170__R2_Flywheel Bearing Spacer		1
28.6	B18.3.5M - 3 x 0.5 x 12 Socket FCHS -- 12N		6
28.7	6mmMagnet		1
28.8	Carvec Encoder		1
28.9	DP0137_FlywheelCOver		1
28.10	Flywheel Cover spacer		4
28.11	B18.3.5M - 3 x 0.5 x 10 Socket FCHS -- 10N		4
29	DP0229_11mm Flywheel with Encoder		2
30	GR023.2		2
31	Tension Adjustment Arm Assembly_V23		1
31.1	DP0088_R2_MotorPlate		1
31.2	BEARING 1_2		3
31.3	91255A580		1
31.4	91251A178		4
31.5	96006A693		2
31.6	96765A125		2
31.7	DC Drive Gear		1
31.8	Rubber For Drive Wheel		1
31.9	Split Drive Wheel		1
31.10	DP0091_R3_Motor Heat Sink		1
31.11	6mmMagnet		1
31.12	Carvec Encoder		1
31.13	DP0130_Drive Wheel Encoder Cap		1
31.14	DP0086_FromBar		1
31.15	DP0090_Tension Arm Axle		1
31.16	DP0178_6mmAcetalBush		2
31.17	DP0181_DCam Drive Encoder Cap		1
31.18	DCamMotor		1
31.19	DP0092_R3_Motor Cap		1
31.20	DP0191_MotorClamp_3dPrintedPart		1
31.21	Hex Shaft		1
31.22	DC Motor Gear		1
31.23	DP0132_Motor Plate		1
31.24	DP0084_R2_TensionArm Frame B		1
31.25	DP0084_R2_TensionArm Frame C		1
31.26	HX-SHCS 0.25-20x0.3125x0.3125-N		2
31.27	Belt2-1^Tension Adjustment Arm Assembly_V23		1
32	Carvec Display		1
33	XT90ASSY		1
33.1	XT90 male new		1
33.2	XT90_Conductor		2
33.3	DP0078_XT90Block C		1
33.4	DP0078_XT90Block B		1
34	XT90 No cover		1
34.1	XT90 male new		1
34.2	XT90_Conductor		2
35	DC brushless controller		1
36	Steel Metal Push Button Switch		1
37	BatteryPack16 A		2
37.1	Copy of Part15^BatteryPack16 A		1
37.2	Battery_18650		16
37.3	BatteryPack16		1
37.3.1	Copy of Part15^BatteryPack16		1
37.3.2	Battery_18650		16
37.3.3	XT90ASSY		1
37.3.3.1	XT90 male new		1
37.3.3.2	XT90_Conductor		2
37.3.3.3	DP0078_XT90Block C		1
37.3.3.4	DP0078_XT90Block B		1
37.3.4	DP0161_R3_BatteryCase		1
37.3.5	DP0066_BatteryFrontPlate		1
37.3.6	B18.3.5M - 4 x 0.7 x 16 Socket FCHS -- 16N		3
37.3.7	B18.3.5M - 4 x 0.7 x 10 Socket FCHS -- 10N		1
37.3.8	B18.3.5M - 5 x 0.8 x 30 Socket FCHS -- 30N		3
38	PTap_4Port Socket		2
39	ecg_2b_306_cym		1
39.1	ecg_2b_306_cym_01		1
39.2	ecg_2b_306_cym_02		1
39.3	ecg_2b_306_cym_03		1
39.4	ecg_2b_306_cym_04		1
40	ecg_1b_308_cym		1
40.1	ecg_1b_308_cym_01		1
40.2	ecg_1b_308_cym_02		1
40.3	ecg_1b_308_cym_03		1
40.4	ecg_1b_308_cym_04		1
41	User Library-Anton Bauer Gold Mount		1
42	20840LimitSwitch		2
43	Carvec Sled Controller		1
44	B18.3.4M - 5 x 0.8 x 10 SBHCS --N		4
45	B18.3.5M - 5 x 0.8 x 30 Socket FCHS -- 30N		2
46	B18.3.5M - 4 x 0.7 x 12 Socket FCHS -- 12N		2
47	B18.3.5M - 4 x 0.7 x 8 Socket FCHS -- 8N		43
48	B18.3.5M - 4 x 0.7 x 10 Socket FCHS -- 10N		2
49	B18.3.4M - 4 x 0.7 x 20 SBHCS --N		4
50	B18.3.3M - 3 x 0.5 x 8 Socket FCHS -- 8N		8
51	B18.3.4M - 3 x 0.5 x 8 SBHCS --N		4
52	B18.3.5M - 3 x 0.5 x 12 Socket FCHS -- 12N		4
53	B18.3.5M - 3 x 0.5 x 16 Socket FCHS -- 16N		3
54	B18.3.5M - 3 x 0.5 x 10 Socket FCHS -- 10N		8
55	B18.3.4M - 3 x 0.5 x 6 SBHCS --N		4
56	HX-SHCS 0.25-20x0.3125x0.3125-N		24
57	HX-SHCS 0.375-16x0.75x0.75-N		4
58	HX-SHCS 0.086-64x0.188x0.188-N		4
59	Spring Retainer Clip		7
60	SwingSkewerAssembly		6
60.1	DP0183_R2_SwingSkewer		1
60.2	DP00186_SwingLever B		1
60.3	DP0187_R2_6mmPin		1
61	DP0142_SwingArm		2
62	DP0142_SwingArm		6
63	DP0182_SwingBushAcetal		4
64	DP0188_M10AcetalWasher		10
65	DP0242_Safety Spindle short		2
66	HandleArm spacer		4
67	DP0242_Safety Spindle		2
68	92815A119		6
69	DP0189_M10ABrassWasher		6
70	DP0119_15mmRodMount		4



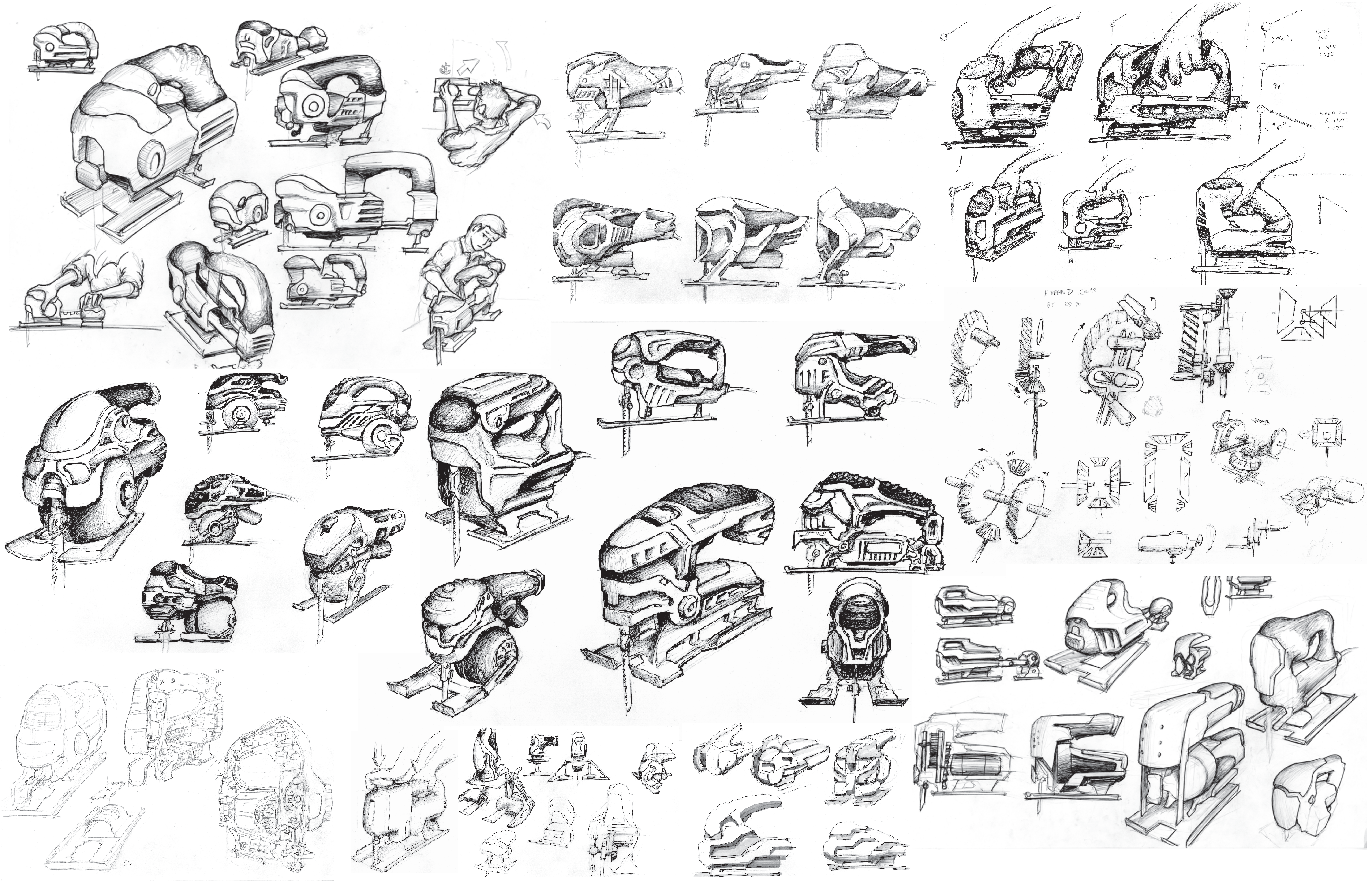
DEFY

DCamAssy2016

7-31-2016

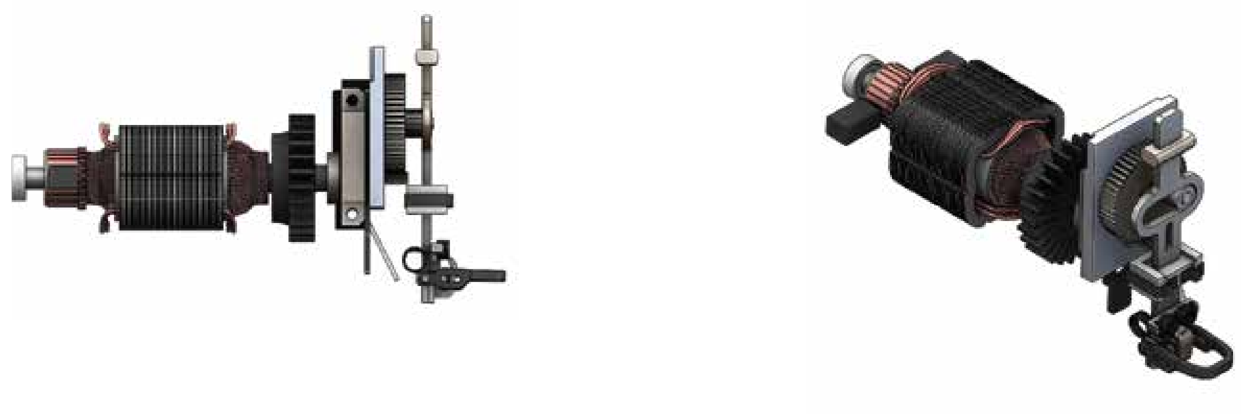
A0


ANGLE CUTS
AT EASE
JIGSWAW REDESIGN
0°
45°
90°



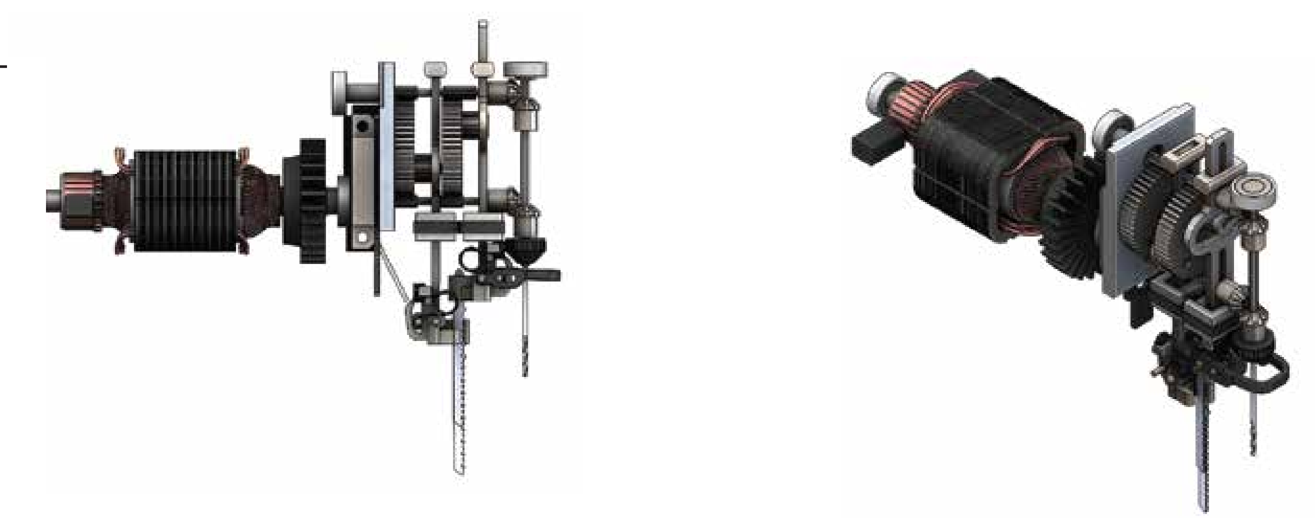
MOTOR ASSEMBLY CONFIGURATIONS

BRUSHED MOTOR ASSEMBLY



BLACK AND DECKER JIGSAW STOCK

ALTERNATING TWIN BLADES

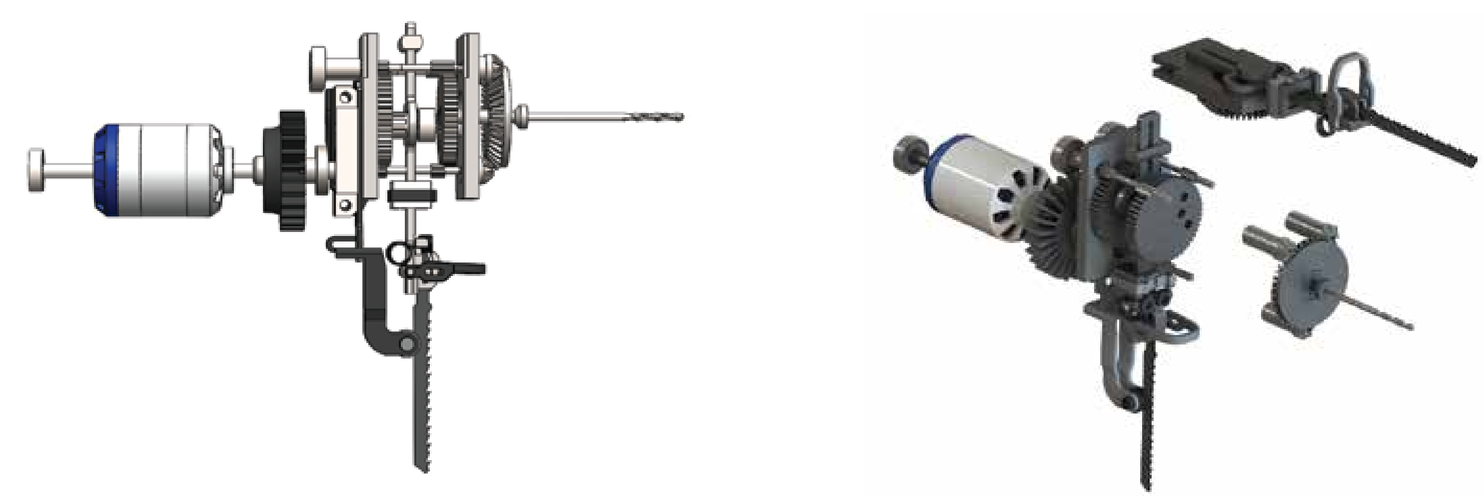


.ALTERNATING BLADES W/ DRILL ATTACHMENT

BRUSHLESS MOTOR ASSEMBLY

ALTENRATING BLADES W/ DRILL ATTACHMENT 2

LINEAR DRILL AND BLADE ATTACHMENT

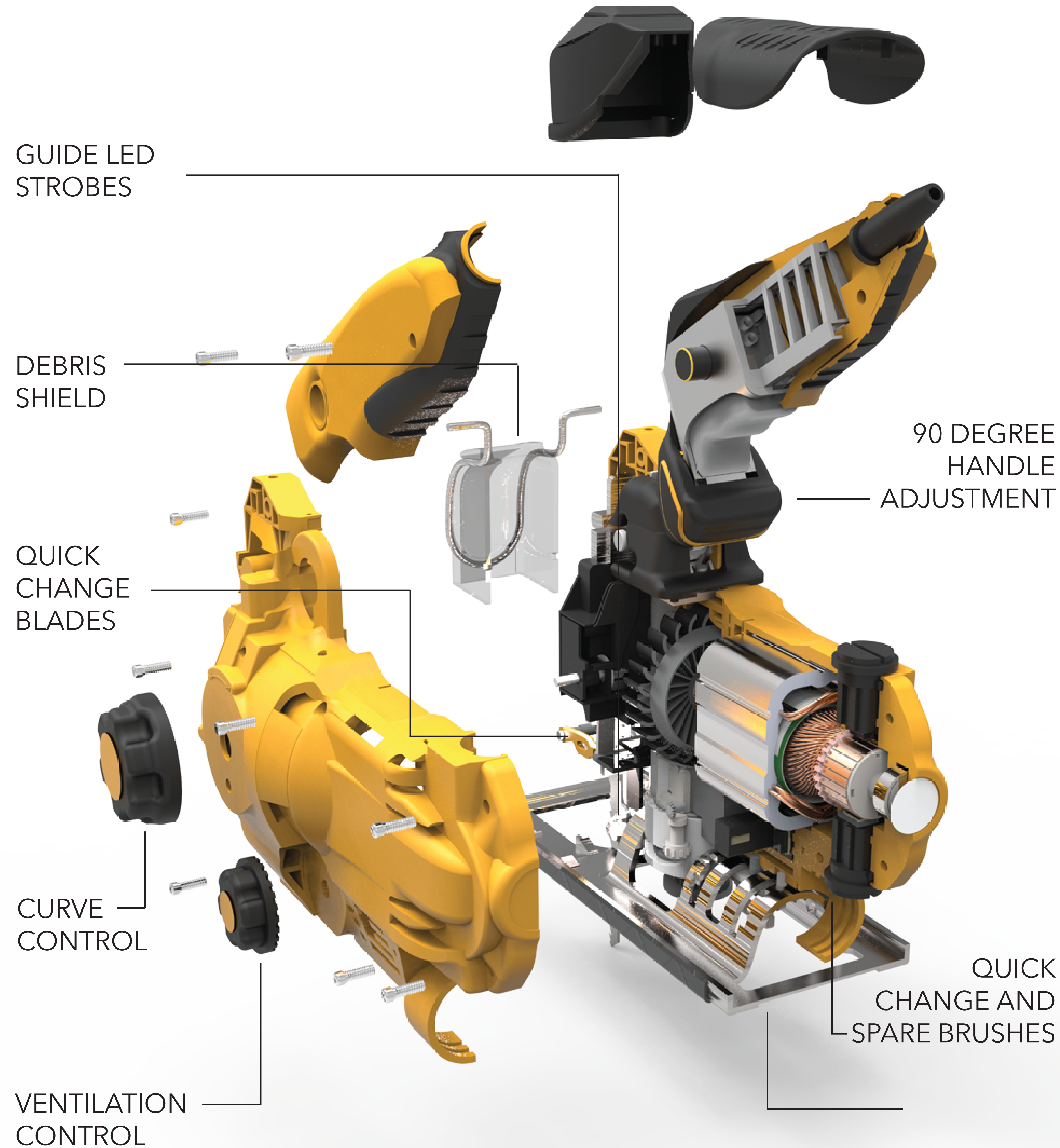


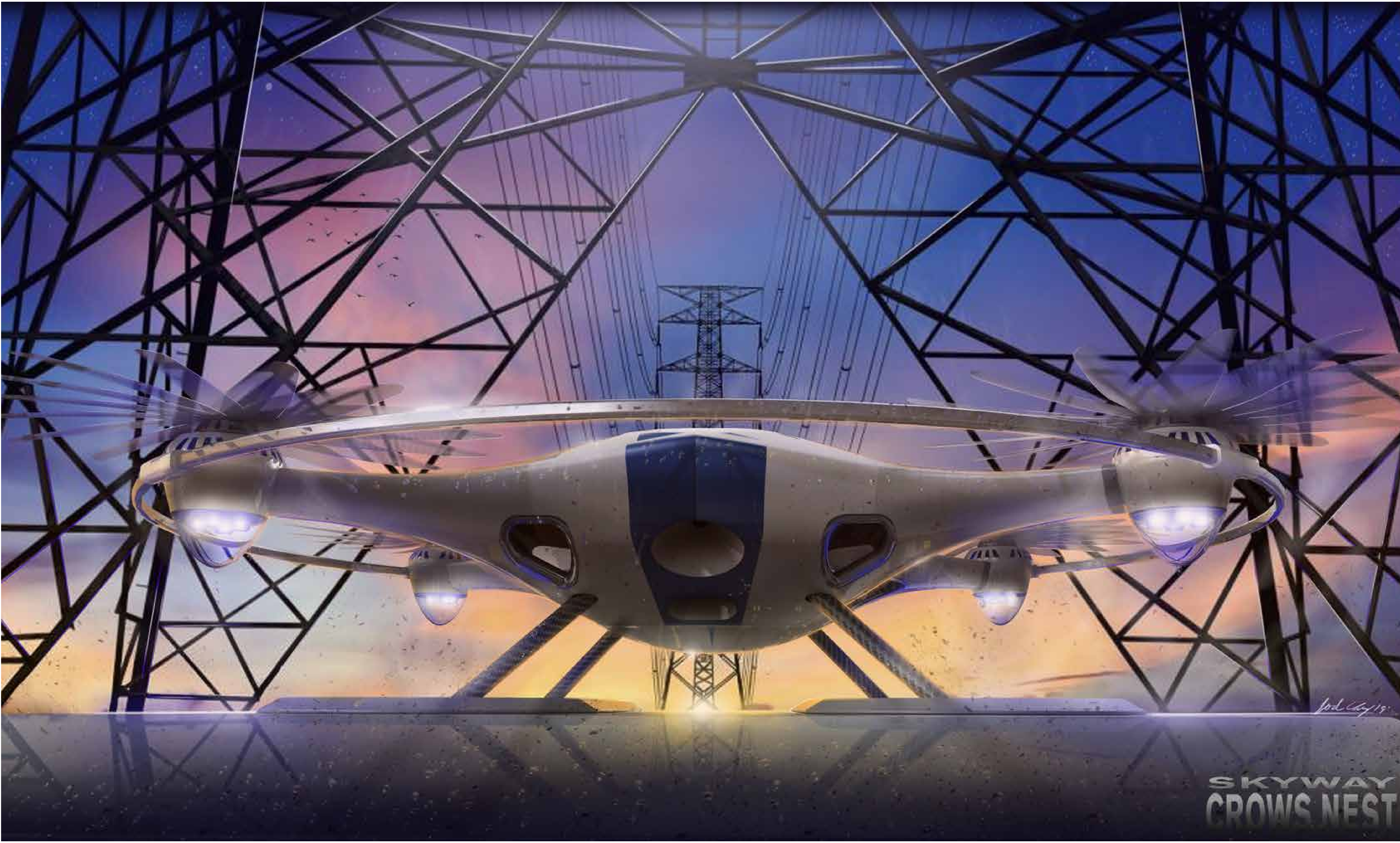
ALTERNATING BLADES W/ LINEAR DRILL ATTACHMENT

FINAL HARDWARE BILL

GRIPPING POINTS

CONTROL POINTS




SKYWAY
CROWS NEST