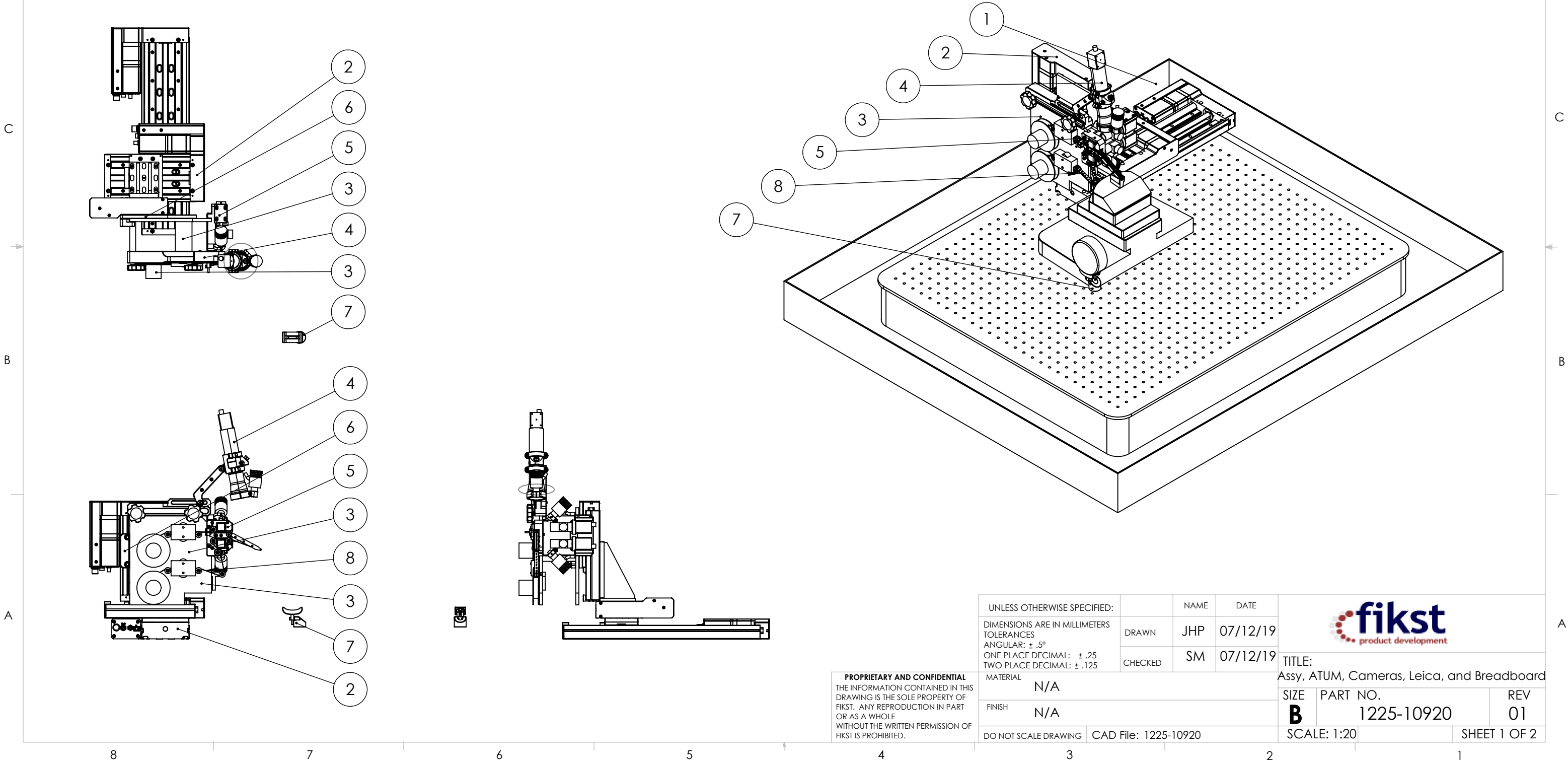



ITEM NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER P/N	QTY.
1	1225-10929	LEICA STAGES AND BREADBOARD			1
2	1225-11102	ASSY, XYZ STAGE	-	-	1
3	1225-11103	ASSY, ATUM, MODIFIED	-	-	1
4	1225-11106	ASSY, KNIFE CAMERA AND MOUNT	-	-	1
5	1225-11108	ASSY, INSPECTION CAMERAS AND MOUNT	-	-	1
6	1225-11115	ASSY, ATUM MOUNT	-	-	1
7	1225-11114	ASSY, HANDWHEEL DETECTOR	-	-	1
8	1225-10921	MOCK-UP, GRIDTAPE			1



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE			
DIMENSIONS ARE IN MILLIMETERS TOLERANCES ANGULAR: ± .5° ONE PLACE DECIMAL: ± .25 TWO PLACE DECIMAL: ± .125		DRAWN	JHP			07/12/19
		CHECKED	SM			07/12/19
MATERIAL		TITLE:				
FINISH		Assy, ATUM, Cameras, Leica, and Breadboard				
N/A		SIZE	PART NO.	REV		
		B	1225-10920	01		
DO NOT SCALE DRAWING	CAD File: 1225-10920			SCALE: 1:20	SHEET 1 OF 2	

	8	7	6	5	4	3	2	1	
	BOM TABLE								
	PART NUMBER	DESCRIPTION		QTY.	MANUFACTURER	MANUFACTURER P/N			
	1225-10921	MOCK-UP, GRIDTAPE		1					
	1225-10922	MIRROR, RAP		2	EDMUND OPTICS	45-593			
	1225-10923	PULLEY, GRIDTAPE		9					
	1225-10925	SENSOR, OPTICAL SLOT, NPN MODULE, 1M		2	OMRON	Z4371-ND			
D	1225-10926	BRAKE, NOSE		1					D
	1225-10927	MOUNT, INSPECTION CAMERAS		1					
	1225-10928	MOUNT, INSPECTION MODULE ILLUMINATOR		2					
	1225-10929	LEICA STAGES AND BREADBOARD		1					
	1225-10930	WHITE, COAXIAL LED SPOT LIGHT		3	EDMUND OPTICS	66-861			
	1225-10931	COVER, INSPECTION MODULE MIRRORS		1					
	1225-10933	CAMERA, XIMEA XIC, MC050CG-SY-UB		3	XIMEA	MC050CG-SY-UB			
	1225-10934	BASE, MOUNT, KNIFE CAM		1					
	1225-10935	ATUM, SIMPLIFIED		1					
	1225-10936	ARM, MOUNT, KNIFE CAM		1					
	1225-10937	CLAMP PLATE, MOUNT, KNIFE CAM		1					
	1225-10938	1225-10938-13		1	MCMASTER-CARR	93856A211-13			
	1225-10938	1225-10938-18		2	MCMASTER-CARR	93856A211-18			
	1225-10939	FHSS, 3mm THD, 8mm LG, 18-8 SS		2	MCMASTER-CARR	92125A128			
	1225-10940	SET SCREW, 3mm THD, 4mm LG		2	MCMASTER-CARR	92015A102			C
C	1225-10941	DOWEL PIN, 3mm OD, 10mm LG, 18-8 SS		2	MCMASTER-CARR	91585A351			
	1225-10942	SHCS, 2mm THD, 8mm LG, 18-8 SS		4	MCMASTER-CARR	91292A832			
	1225-10943	SHCS, 3mm THD, 8mm LG, 18-8 SS		15	MCMASTER-CARR	91292A112			
	1225-10944	SET SCREW, CONE-POINT, 6mm THD X 10 mm LG		2	MCMASTER-CARR	91217A220			
	1225-10945	SPLIT LOCK WASHER, 6.5mm ID, 9.9mm OD, 1.5mm THK, 18-8 SS		3	MCMASTER-CARR	91111A129			
	1225-10946	SH SHOULDER SCREW, 4mm DIA X 10mm LG, 3mm THREAD		9	MCMASTER-CARR	90265A121			
	1225-10948	PULLEY, NOSE		1					
	1225-10949	DOWEL PIN, 1.5 mm OD X 10mm LG, 18-8 SS		1	MCMASTER-CARR	91585A142			
	1225-10950	NOSE, OUTER PLATE		2					
	1225-10951	NOSE, CENTER PLATE		1					
	1225-10952	BHCS, M2 X 0.40 mm THREAD, 4mm LONG, 18-8 SS		6	MCMASTER-CARR	92095A451			
	1225-10953	STANDOFF, F-M, 3mm THD, 6mm LG, 6mm HEX		1	MCMASTER-CARR	93655A701			
	1225-10962	MOTORIZED, LEAD-SCREW DRIVEN, LINEAR STAGE, 75 mm		2	ZABER	X-LRQ075AP-E01			
	1225-10964	ADAPTOR PLATE, XY SPACER FOR LRQXP		1	ZABER	AP165			B
B	1225-10965	ANGLE BRACKET, 90 DEGREES, LARGE, LRQ		1	ZABER	AB164			
	1225-10968	MOTORIZED LINEAR STAGE, LEAD-SCREW DRIVEN, 300 mm		1	ZABER	X-LRQ300AP-E01			
	1225-10971	STAGE MOUNTING PLATE, ATUM		1	-	-			
	1225-10972	CLAMP, ATUM STAGE MOUNTING PLATE		1	-	-			
	1225-10976	FLAG, HANDWHEEL		1					
	1225-10979	KNOB WITH SCREW HEAD MOUNT, SIX-LOBE, FOR M6 SCREW		2	MCMASTER-CARR	91175A071			
	1225-10994	MOUNT, SENSOR, HANDWHEEL		1	-	-			
	1225-11000	BUMPER, MIRROR		2	-	-			
	1225-11053	LENS, TELECENTRIC, FOCUSABLE, 0.75 MAG, 85-99WD		1	EDMUND OPTICS	36192			
	1225-11054-01	BASE, MOUNT, KNIFE CAM LENS		1					
	1225-11054-02	CLAMP, MOUNT, KNIFE CAM LENS		2					
	1225-11055-01	CLAMP, KNIFE CAM ILLUMINATOR, LEFT		1					
	1225-11055-02	CLAMP, KNIFE CAM ILLUMINATOR, RIGHT		1					
	1225-11107	SHCS, 6mm X 14 LG, 18-8 SS		4	MCMASTER CARR	91292A070			
A	1225-11111	TELECENTRIC LENS, 1X, 40mm WD, IN-LINE COMPACT TL		2	EDMUND OPTICS	67-319			A
	1225-11116	SHCS, 6mm X 8 LG, 18-8 SS		4	MCMASTER CARR	91292A201			
	1225-11117	SHCS, 6mm X 18 LG, 18-8 SS		2	MCMASTER CARR	91292A136			
	1225-11118	HIROSE FOCUS TUNABLE LENS ELEC DRIVER		1	EDMUND OPTICS	88-940			
	1225-11119	HIROSE CONNECTOR TUNABLE LENS 1 METER		1	EDMUND OPTICS	88-941			
	8	7	6	5	4	3	2	1	

PARTS-ONLY
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TITLE:
Assy, ATUM, Cameras, Leica, and Breadboard

SIZE	PART NO.	REV
B	1225-10920	01

SCALE: 1:20 SHEET 2 OF 2