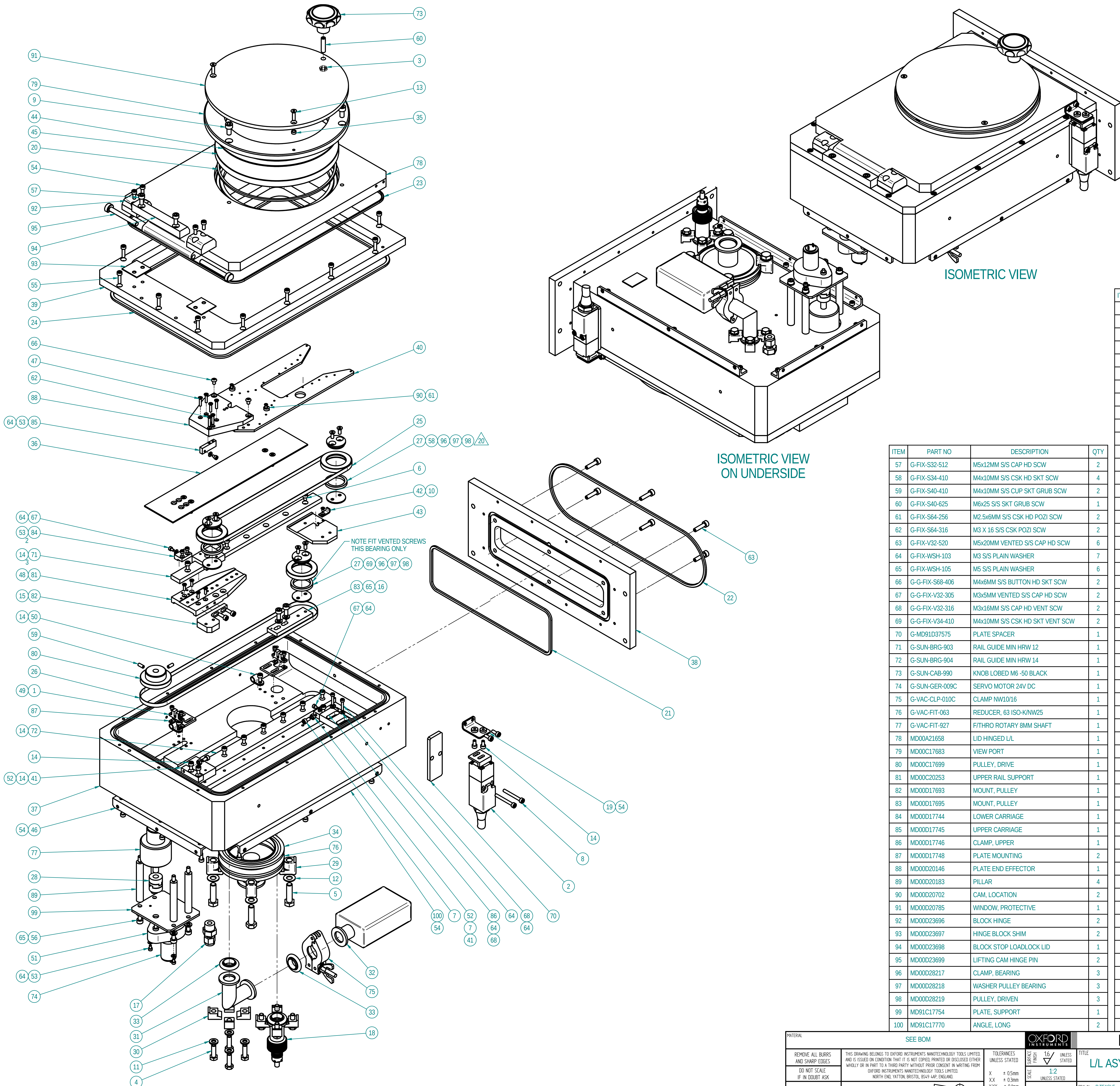


PART NO	DESCRIPTION	QTY
EQ00055C	SENSOR OPTO SLOTTED TRW	2
ESZ00006	SWITCH CAM ELF IP66 2x NC	1
G-FIX-NUT-146	M6 S/S LOCKNUT	1
G-FIX-S21-620	M6x20MM S/S HEX HD SCW	4
G-FIX-S21-830	M8x30MM S/S HEX HD SCW	4
G-FIX-S32-406	M4x6MM S/S CAP HD SCW	1
G-FIX-S32-408	M4x8MM S/S CAP HD SCW	2
G-FIX-S32-435	M4x35mm S/S CAP HD SCW	2
G-FIX-S32-612	M6x12MM S/S CAP HD SCW	3
G-FIX-S64-305	M3x5MM S/S CSK HD POZI	1
G-FIX-WSH-106	M6 S/S PLAIN WASHER	4
G-FIX-WSH-108	M8 S/S PLAIN WASHER	4
G-G-FIX-S34-416	M4x16MM S/S CSK HD SKT SCW	2
G-G-FIX-V32-408	M4x8MM S/S CAP HD VENT SCW	19
G-G-FIX-V32-412	M4x12MM S/S CAP HD VENT SCW	2
G-G-FIX-V32-512	M5x12MM S/S CAP HD VENT SCW	2
G-GAAS-FIT-244C	CONN 1/4" SWAGE 9/16" O-RING	1
G-M46271	FEEDTHROUGH 10 PIN	1
G-MD45746	BACKET, KEY MOUNTING	1
G-SEL-O-V-260C	O-RING B5260 VITN 3.53 x 164.7	1
G-SEL-O-V-264C	O-RING B5264 VITN 3.53 x 190.1	1
G-SEL-O-V-269C	O-RING B5269 VITN 3.53 x 221.8	1
G-SEL-O-V-279C	O-RING B5279 VITN 3.53 x 329.8	1
G-SEL-O-V-280C	O RING B5280 VITN 3.53 x 355.2	1
G-SUN-BEL-012	BELT S/S 6.35MM.075 THKx641LG	1
G-SUN-BEL-013	BELT S/S 6.35 x 0.075THK x 731 LG	1
G-SUN-BRG-052	BEARING 6705 EXTRA THIN METRIC	3
G-SUN-CPL-248	OLDHAM CLIP CLAMP HUB 4XB BORE	1
G-VAC-CLP-310C	CLAW GRIP	4
G-VAC-CLP-311C	CLAW GRIP NW25	4
G-VAC-FIT-116C	ELBOW NW16 90° AL	1
G-VAC-GGE-005	GAUGE PIRANI NW16	1
G-VAC-SEL-015C	CENT'R NW16	2
G-VAC-SEL-063C	CENT'R NW63 AL/NTON	1
GFG0601C	SPACER 6.5 OIDx4.3 IDx3MM LG	2
MA0309712	SHIELD HEAT ASY LYL	1
MD00020103	CHAM, LL 46 x 236 VAT VLV	1
MD00820814	PLT INTERF LL 46 x 236 VLV 2 O-RINGS	1
MD00C20145	COVER TOP LIL	1
MD00C20145	END STOP ELECTR 2.2kg S/STRATE	1
MD00D17701	END STOP LWR CARRIAGE	2
MD00D17702	END STOP UPPER CARRIAGE	1
MD00D20771	MOUNT PULLEY UPPER FRONT	1
MD90D12788	GASKET WINDOW	1
MD90D12789	GLASS WINDOW L179mmx11MM THK	1
MD91C1771	ANGLE MTG SHORT	1
OM1019982	M3 X 14 S/S CSK POZI VENT SCW	4
OM1023269	M3 X 10 S/S CSK POZI VENT SCW	4
OM1041133	M3x4mm S/S CAP HD VENT SCW	4
OM1045456	P CLIP NYLON Ø 6.4mm	2
MM0025	MTR/GBOX 640:1 PRECISION DC	1
FI-XUT-NUT-104	M4 S/S NUT	2
FI-X32-305	M3x5MM S/S CAP HD SCW	5
FI-X32-410	M4x10MM S/S CAP HD SCW	15
FI-X32-416	M4x16MM S/S CAP HD SCW	14
FI-X32-508	M5x8MM S/S CAP HD SCW	4

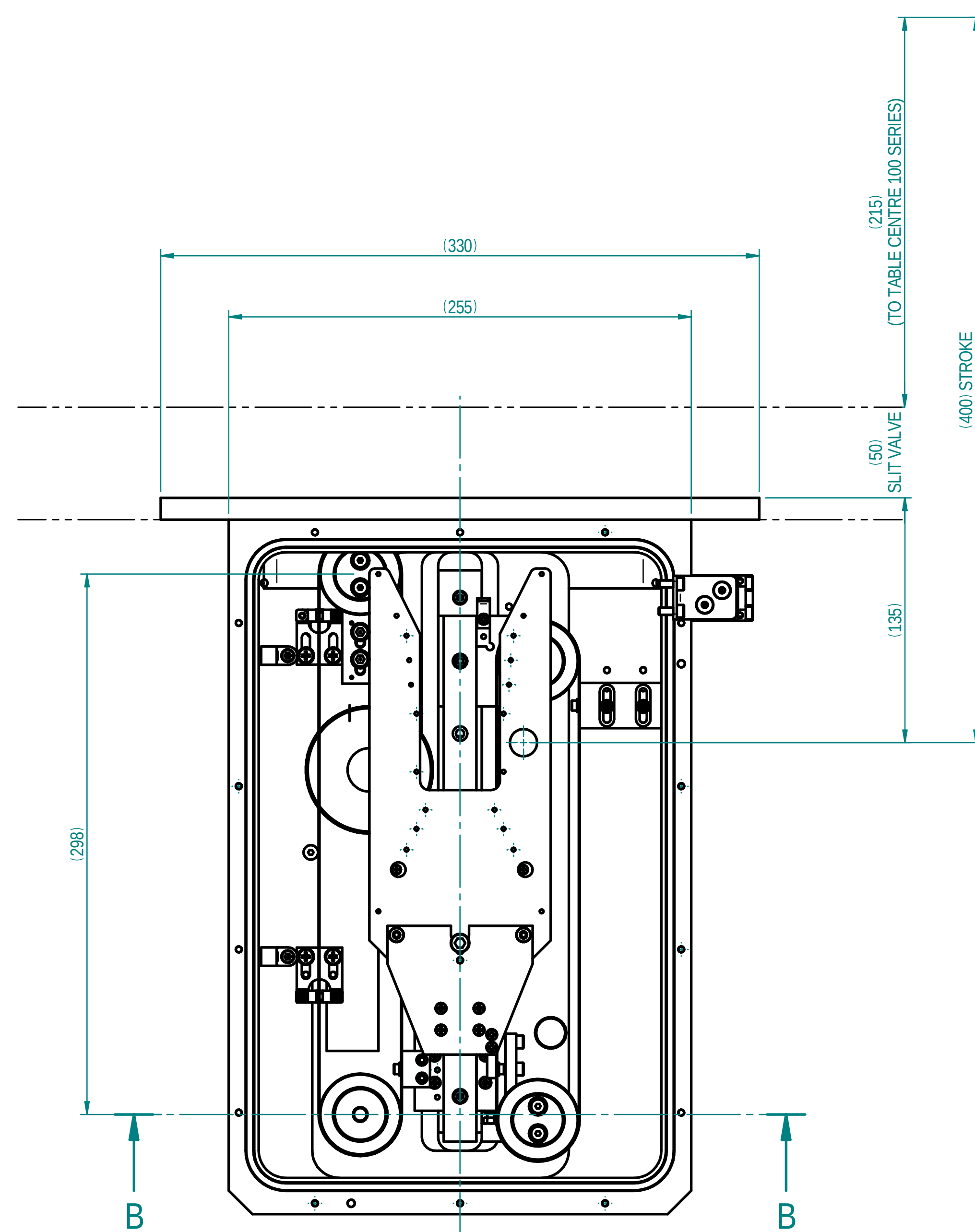
ITEM	PART NO	DESCRIPTION	QTY
57	G-FIX-S32-512	M5x12MM S/S CAP HD SCW	2
58	G-FIX-S34-410	M4x10MM S/S CSK HD SKT SCW	4
59	G-FIX-S40-410	M4x10MM S/S CUP SKT GRUB SCW	2
60	G-FIX-S40-625	M6x25 S/S SKT GRUB SCW	1
61	G-FIX-S64-256	M2.5x6MM S/S CSK HD POZI SCW	2
62	G-FIX-S64-316	M3 X 16 S/S CSK POZI SCW	2
63	G-FIX-V32-520	M5x20MM VENTED S/S CAP HD SCW	6
64	G-FIX-WSH-103	M3 S/S PLAIN WASHER	1
65	G-FIX-WSH-105	M5 S/S PLAIN WASHER	6
66	G-G-FIX-S68-406	M4x6MM S/S BUTTON HD SKT SCW	2
67	G-G-FIX-V32-305	M3x5MM VENTED S/S CAP HD SCW	2
68	G-G-FIX-V32-316	M3x16MM S/S CAP HD VENT SCW	2
69	G-G-FIX-V34-410	M4x10MM S/S CSK HD SKT SCW	2
70	G-MD91D37575	PLATE SPACER	1
71	G-SUN-BRG-903	RAIL GUIDE MIN HRW 12	1
72	G-SUN-BRG-904	RAIL GUIDE MIN HRW 14	1
73	G-SUN-CAB-990	KNOB LOBED M6 -50 BLACK	1
74	G-SUN-GR-009C	SERVO MOTOR 24V DC	1
75	G-VAC-CLP-010C	CLAMP NW10/16	1
76	G-VAC-FIT-063	REDUCER, 63 ISO-KINW25	1
77	G-VAC-FIT-927	FTHRO ROTARY 8MM SHAFT	1
78	MD00A21658	LID HINGED L/L	1
79	MD00C17683	VIEW PORT	1
80	MD00C17699	PULLEY, DRIVE	1
81	MD00C20253	UPPER RAIL SUPPORT	1
82	MD00D17693	MOUNT, PULLEY	1
83	MD00D17695	MOUNT, PULLEY	1
84	MD00D17744	LOWER CARRIAGE	1
85	MD00D17745	UPPER CARRIAGE	1
86	MD00D17746	CLAMP, UPPER	1
87	MD00D17748	PLATE MOUNTING	2
88	MD00D20146	PLATE END EFFECTOR	1
89	MD00D20183	PILLAR	4
90	MD00D20702	CAM, LOCATION	2
91	MD00D20785	WINDOW, PROTECTIVE	1
92	MD00D23696	BLOCK HINGE	2
93	MD00D23697	HINGE BLOCK SHIM	2
94	MD00D23698	BLOCK STOP LOADLOCK LID	1
95	MD00D23699	LIFTING CAM HINGE PIN	2
96	MD00D28217	CLAMP, BEARING	3
97	MD00D28218	WASHER PULLEY BEARING	3
98	MD00D28219	PULLEY, DRIVE	1
99	MD91C17754	PLATE, SUPPORT	3
100	MD91C17770	ANGLE, LONG	2

MATERIAL		SEE BOM		OXFORD INSTRUMENTS		PLASMA TECHNOLOGY				DRAWING NUMBER			
REMOVE ALL BURRS AND SHARP EDGES DO NOT SCALE IF IN DOUBT ASK		THIS DRAWING RELINGS TO OXFORD INSTRUMENTS NANOTECHNOLOGY TOOLS LIMITED AND IS ISSUED IN CONNECTION THAT IT IS NOT COPIED, PRINTED OR DISCLOSED OTHER WHOLLY OR IN PART TO ANY PARTY WITHOUT PRIOR CONSENT IN WRITING FROM OXFORD INSTRUMENTS NANOTECHNOLOGY TOOLS LIMITED NORTH EASE, YATTON, BOSTOL, B64 9JF, ENGLAND		TOLERANCES UNLESS STATED X ± 0.5mm XX ± 0.3mm XXX ± 0.1mm ANGLE ± 0° 15'		FINISH 16 / UNLESS STATED SCALE 1:2 UNLESS STATED UNIT mm		TITLE L/L ASY 46 x 236 VAT /VLV BLUE PLC				DRAWING NUMBER	
THIRD ANGLE PROJECTION				DRAWN - R TEAGLE DATE - 18/04/2005		CHECKED - M MASON DATE - 28/04/2005		MASS - 18.85 kg		A0		SHEET 1 of 2	

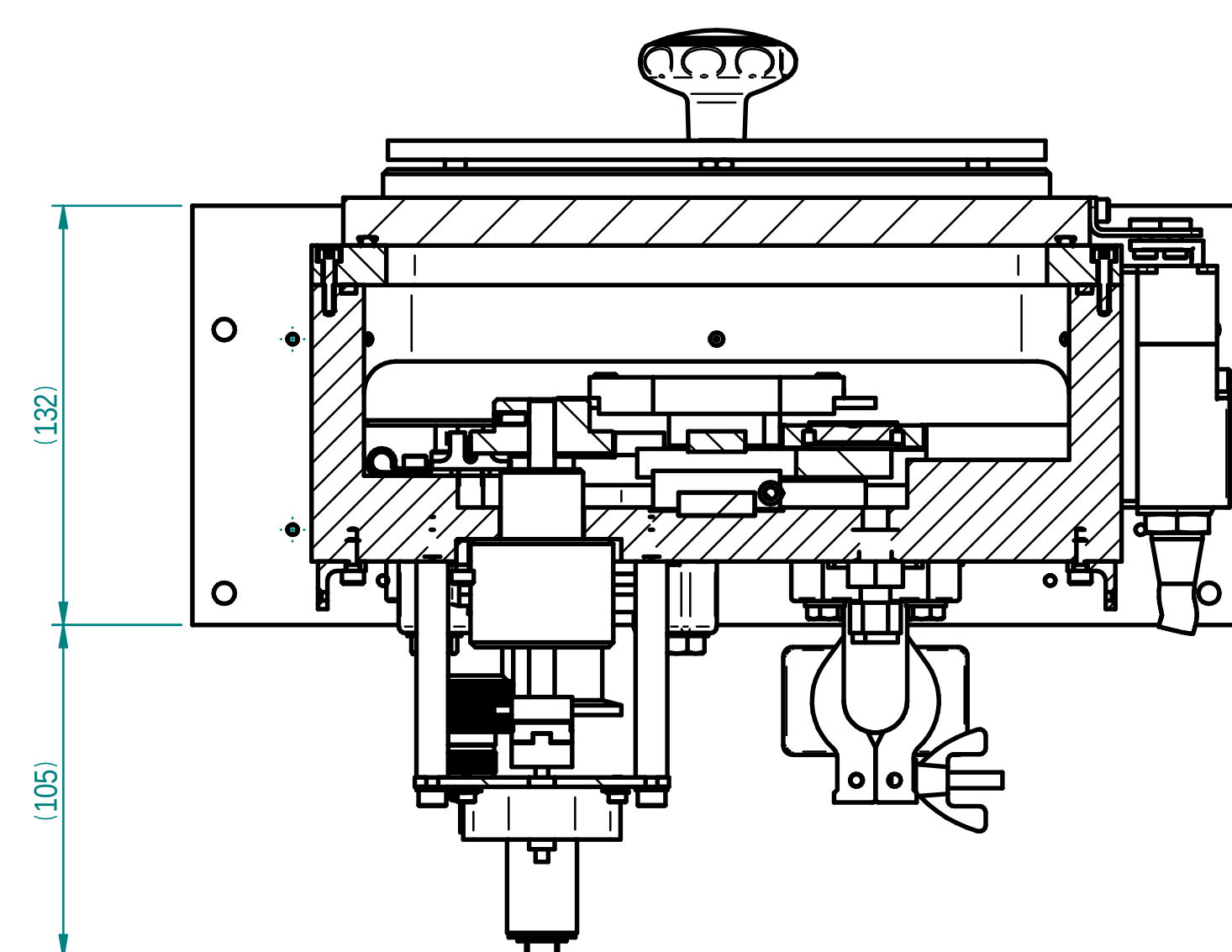
1. ASSEMBLE, TEST AND PACK IN A CLEAN ENVIRONMENT.
2. CARE TO BE TAKEN TO AVOID DAMAGE TO ALL SURFACES.
3. ALL SURFACES 0.8µm OR LESS TO BE FREE FROM SURFACE IMPERFECTIONS AND FULLY PROTECTED AT ALL TIMES (SEE DETAIL DRAWINGS FOR LOCATIONS).
4. ENSURE ALL COMPONENTS ARE CLEAN PRIOR TO ASSEMBLY.
5. CLEAN SEALING FACES AND O'RINGS USING IPA AND LINT FREE CLOTH PRIOR TO ASSEMBLY.
6. ALL FIXINGS TO BE STAINLESS STEEL 303, 304 OR 316 UNLESS OTHERWISE STATED.
7. LAYOUT SHOWN FOR 400mm STROKE.
8. ALL BEARINGS SUPPLIED WITH VACUUM GREASE APPLIED
DO NOT DE-GRASE.
9. **DO NOT REMOVE CARRIAGE FROM SLIDE OF LINEAR BEARINGS AS BALL BEARINGS WITHIN CARRIAGE ARE NOT RETAINED.**
10. VACUUM LEAK CHECK ASSEMBLY TO 5×10^{-6} mbar/litre/sec.
11. PLACE IN SUITABLE PROTECTIVE PACKAGING, BAG OR CONTAINER LABELLED WITH DRAWING No, ISSUE AND PURCHASE ORDER No. REFER TO WI-544 FOR DETAILS.



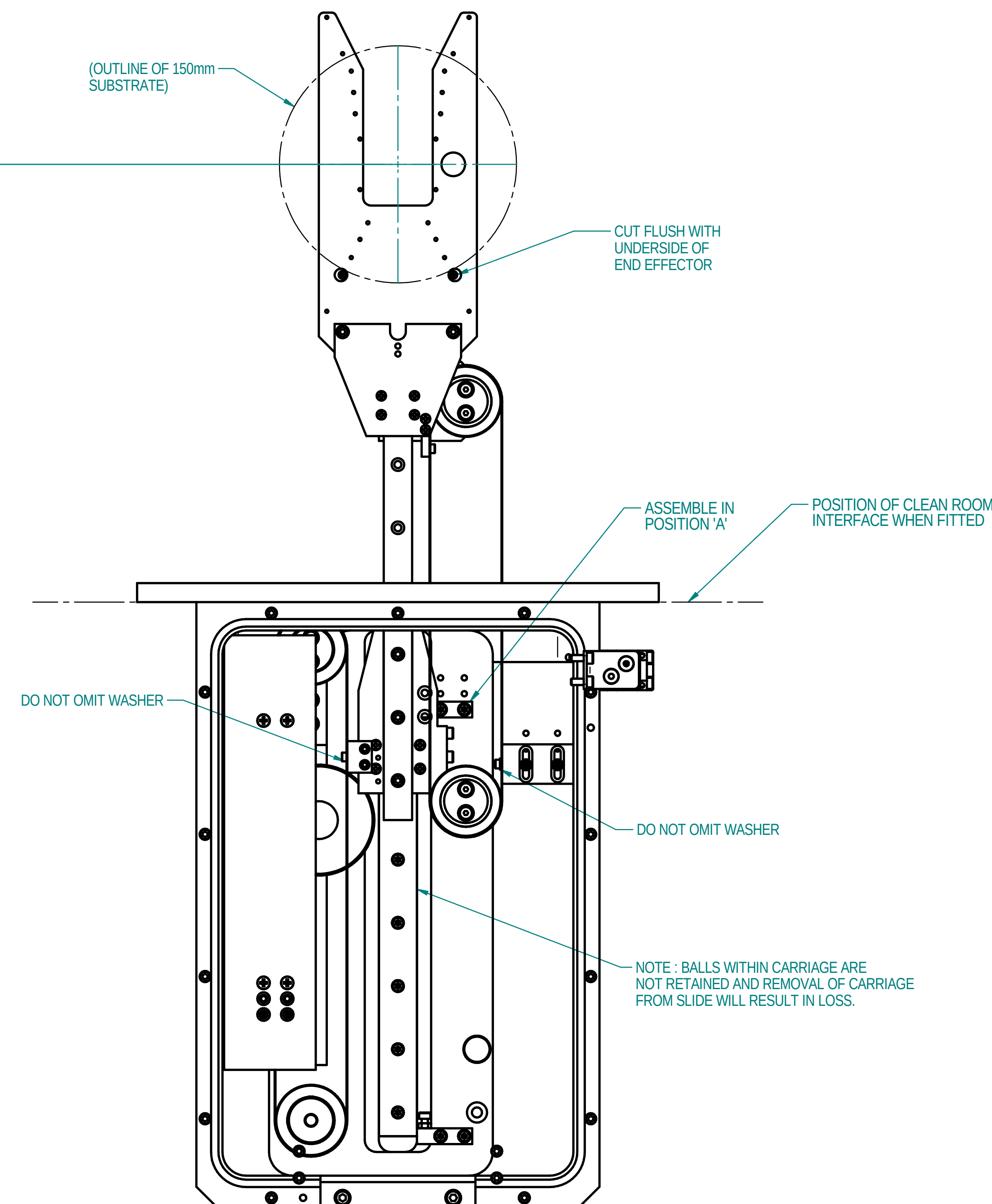
REV	MOD No.	MODIFICATIONS	DRN	DATE
19	2112622	94-MD00C20145 NOW REV 09	TP	14/05/19
20	2112641	94-MD00D28219 NOW REV 02	GH	17/12/20



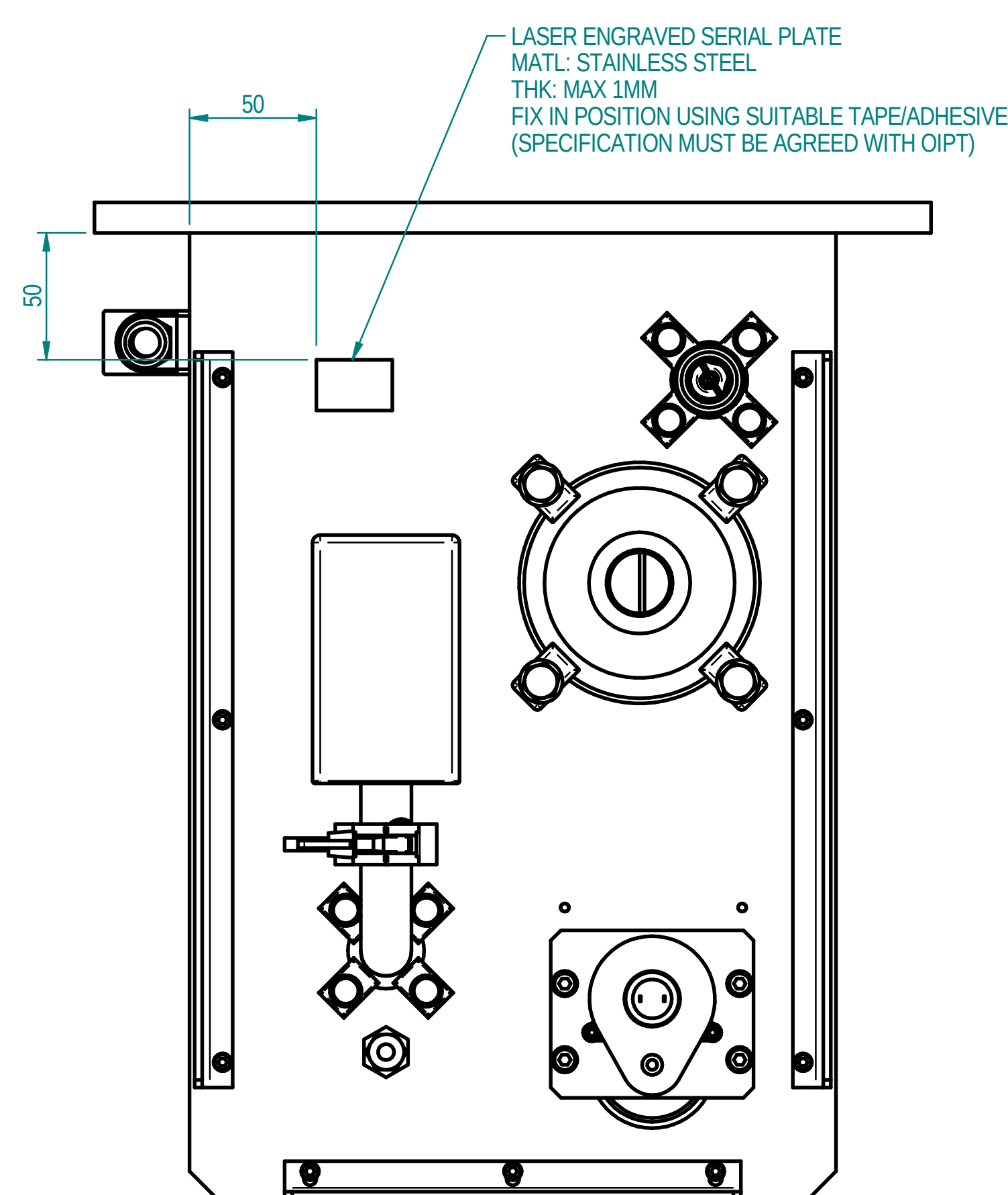
PLAN VIEW
LID & HEAT SHIELD REMOVED FOR CLARITY
(ARM RETRACTED)



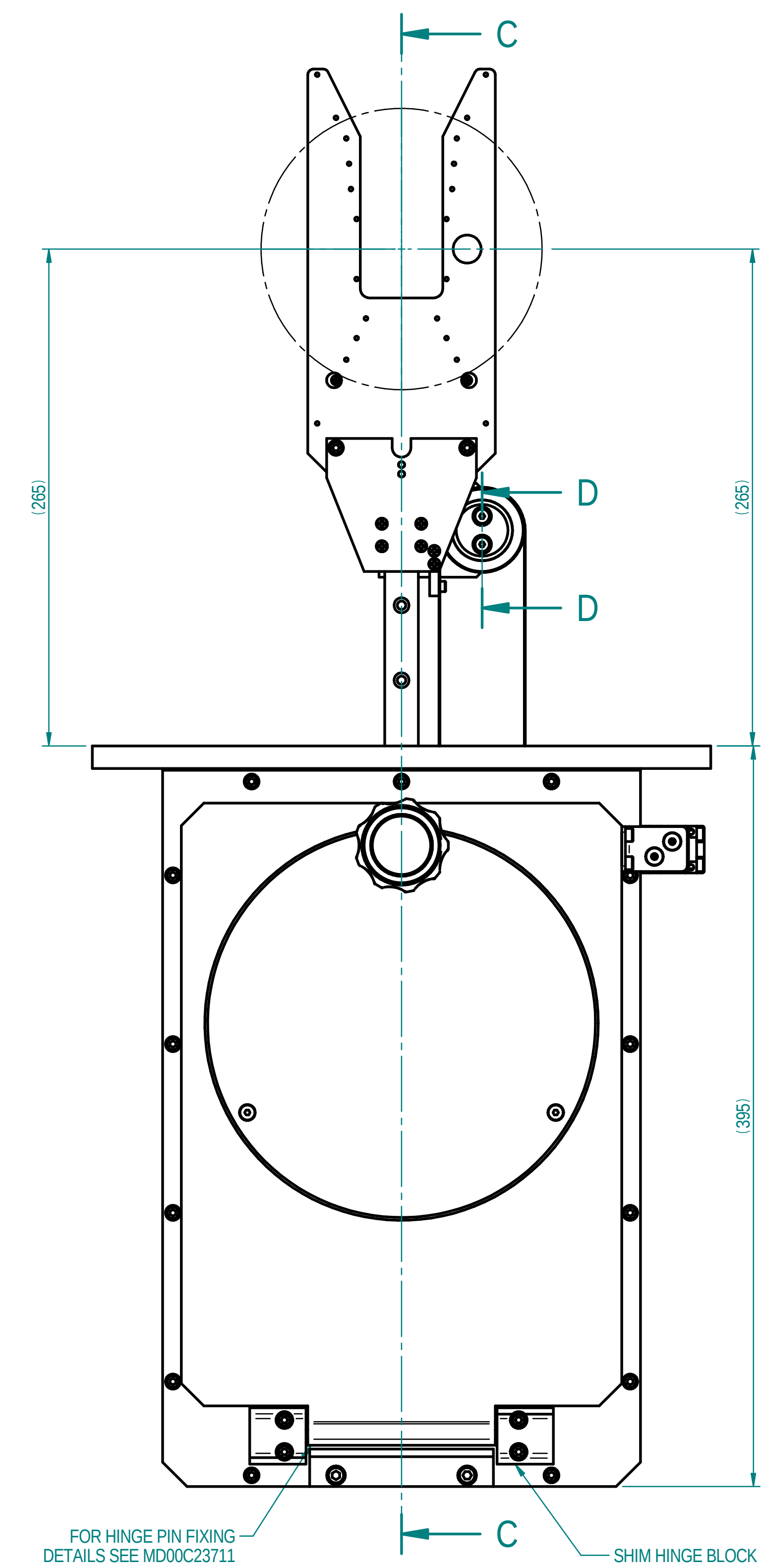
SECTION B-B



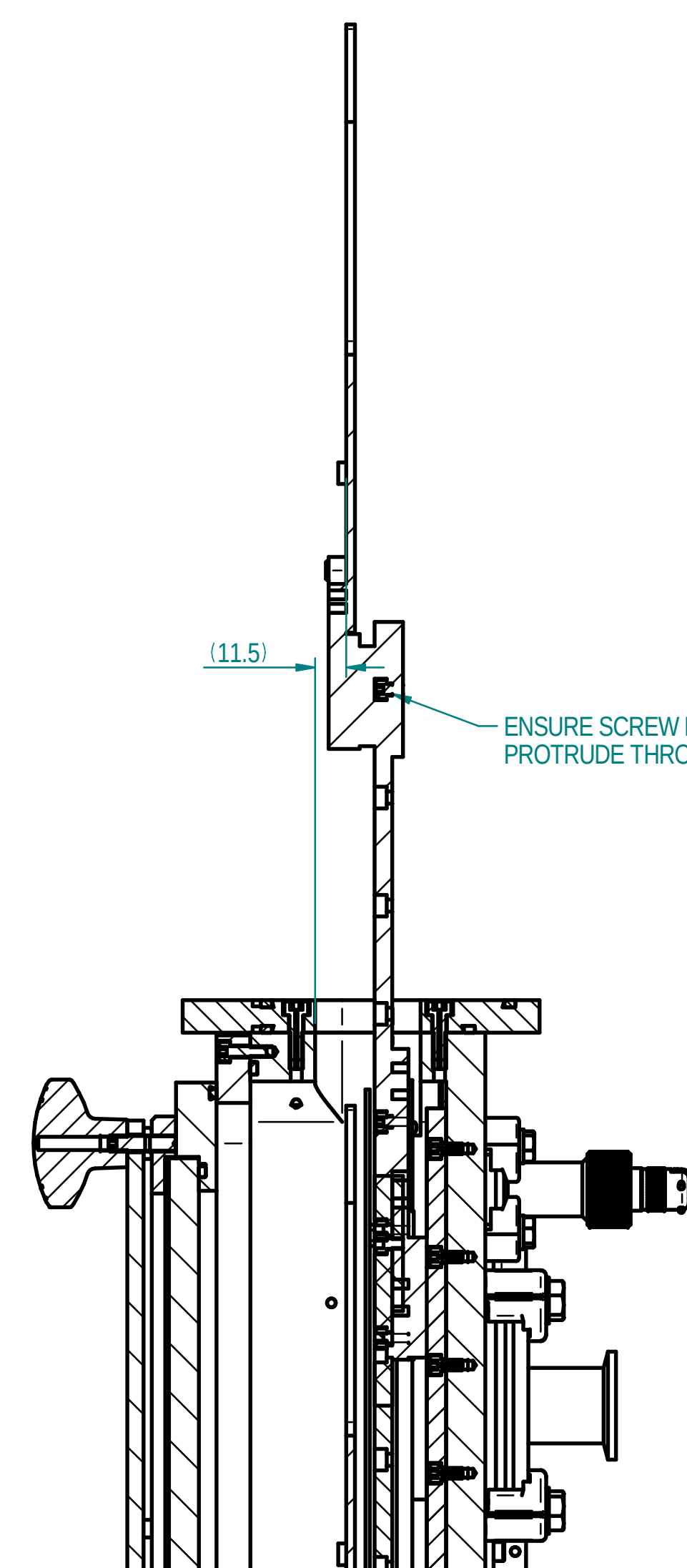
PLAN VIEW
LID REMOVED FOR CLARITY
(WITH ARM EXTENDED)



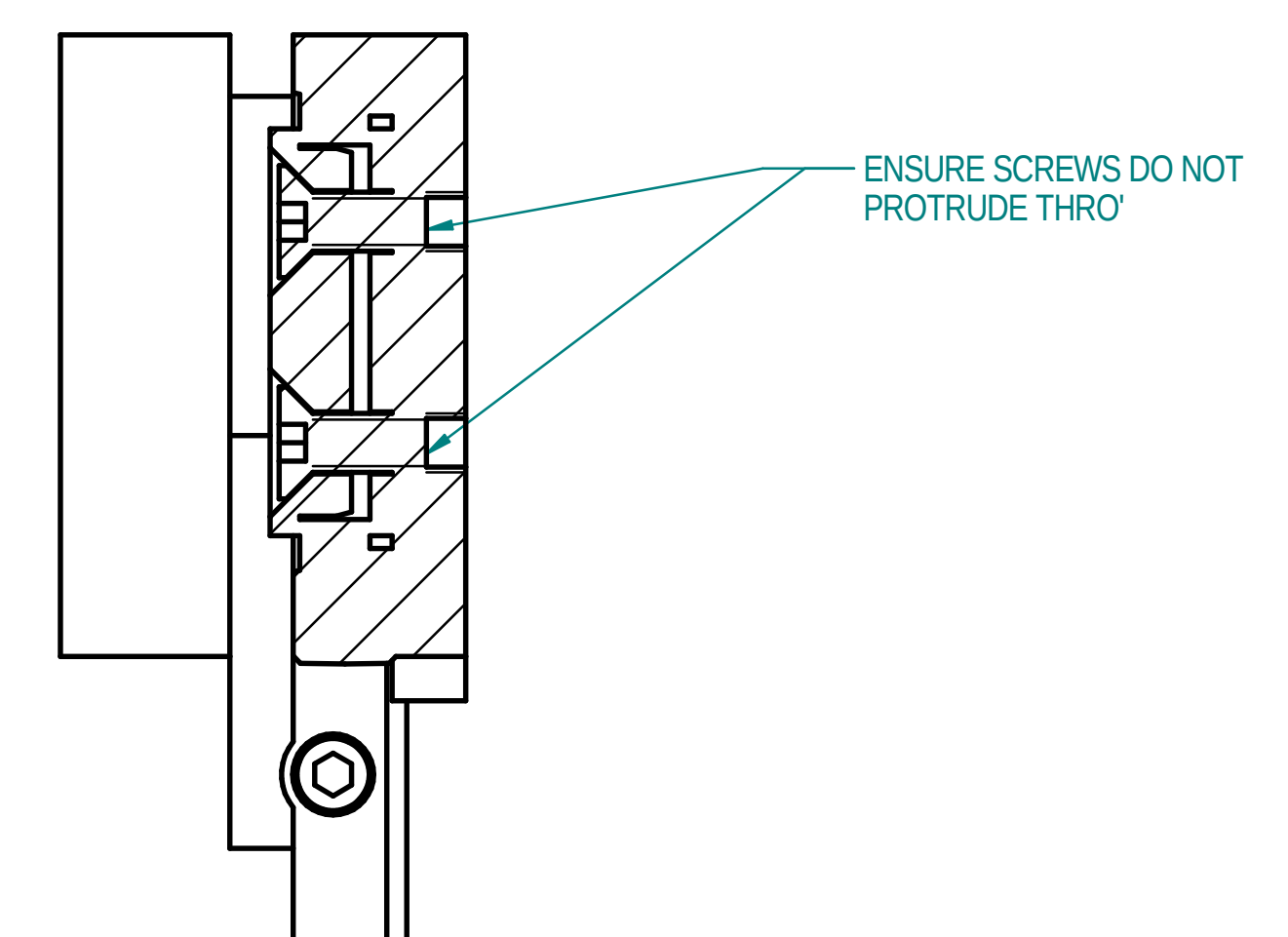
BOTTOM VIEW



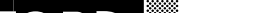
PLAN VIEW
(WITH ARM EXTENDED)



PARTIAL SECTION C-C



SECTION D-D
TYP 3 POSN'S
2:1

MATERIAL		SEE BOM				PLASMA TECHNOLOGY				DRAWING NUMBER	
REMOVE ALL BURRS AND SHARP EDGES	THIS DRAWING BELONGS TO OXFORD INSTRUMENTS WAREHOUSELOGY TOOLS & LIMITED AND IS ISSUED ON CONDITION THAT IT IS NOT COPIED, PRINTED OR REPRODUCED EITHER WHOLLY OR IN PART TO A THIRD PARTY WITHOUT PRIOR CONSENT IN WRITING FROM OXFORD INSTRUMENTS WAREHOUSELOGY TOOLS & LIMITED NORTH ONE, WATTON, BOSTON, LEAR, UK, ENGLAND.			TOLERANCES UNLESS STATED		SURFACE FINISH  16 UNLESS STATED SCALE 1:2 UNLESS STATED		TITLE		L/L ASY 46 x 236 VAT VLV BLUE PLC	
DO NOT SCALE IF IN DOUBT ASK	THIRD ANGLE PROJECTION 			X ± 0.5mm X X ± 0.3mm X X X ± 0.1mm ANGLES ± 0° 30'		DIMENSIONS IN mm UNLESS STATED		DRAWN - P. TEAGLE CHECKED - M. WATSON 20/04/2014		MASS ± 18.85 kg A0 SHEET 2 of 2	