

1414 DISPENSE AREAS (CE)

DISPENSE OPTIONS				VISION OPTIONS			HEAD OPTS.	DISPENSE AREA (STD. MACHINE w/o ANY FIXTURES)		DISPENSE AREA (MACHINE w/ 835-1 HOT PLATE)		DISPENSE AREA (MACHINE w/ 912-1 MAG. PLATE)		
635	650	SYNCH. TO 300C	665	680	750	400	NONE	506	X-AXIS INCHES (MM)	Y-AXIS INCHES (MM)	X-AXIS INCHES (MM)	Y-AXIS INCHES (MM)	X-AXIS INCHES (MM)	Y-AXIS INCHES (MM)
X							X		14.00 (355.6)	13.10 (332.7)	13.83 (351.3)	12.59 (319.8)	13.73 (348.7)	13.10 (332.7)
			X				X		14.00 (355.6)	13.10 (332.7)	13.83 (351.3)	12.59 (319.8)	13.73 (348.7)	13.10 (332.7)
				X			X		14.00 (355.6)	10.75 (273.1)	13.83 (351.3)	10.75 (273.1)	13.73 (348.7)	13.10 (332.7)
X					X				12.00 (304.8)	12.84 (326.1)	11.83 (300.5)	12.59 (319.8)	11.21 (284.7)	12.94 (328.7)
			X		X				11.48 (291.6)	12.84 (326.1)	11.31 (287.3)	12.59 (319.8)	11.21 (284.7)	12.94 (328.7)
				X	X				11.99 (304.5)	10.35 (262.9)	11.82 (300.2)	10.35 (262.9)	11.21 (284.7)	10.35 (273.1)
X						X			9.80 (248.9)	11.16 (283.5)	9.80 (249.8)	11.30 (287.0)	7.86 (199.6)	11.16 (283.5)
			X			X			8.36 (212.3)	10.68 (271.3)	8.37 (212.6)	11.30 (287.0)	7.86 (199.6)	10.68 (271.3)
			X			X			9.80 (248.9)	10.32 (262.1)	9.80 (249.8)	10.29 (261.4)	7.86 (199.6)	10.75 (273.1)
X					X			X	10.32 (262.1)	9.90 (251.5)	10.32 (262.1)	9.90 (251.5)	9.68 (245.9)	9.65 (245.1)
X						X		X	9.25 (234.9)	9.80 (248.9)	9.24 (234.7)	9.82 (249.4)	7.86 (199.6)	8.65 (219.7)

NOTES:

1. THIS PAGE FOR MACHINES WITH ENCLOSED (272-1) COVERS.
2. DISPENSE AREA MAY BE AFFECTED WHEN NEEDLE CALIBRATOR, PRE-DISPENSE STATION OR NEEDLE CLEANER ARE ADDED.

1414 DISPENSE AREA / BOARD SIZE (NOT COVERED)

DISPENSE OPTIONS				VISION OPTIONS			HEAD OPTIONS	DISPENSE AREA STANDARD MACHINE W/O ANY FIXTURES		DISPENSE AREA MACHINE WITH 835-1 HOT PLATE		DISPENSE AREA MACHINE WITH 912-1 MAG. PLATE		
635	650	SYRINGE UP TO 20CC	665	680	750	400	NONE	506	X-AXIS INCHES (MM)	Y-AXIS INCHES (MM)	X-AXIS INCHES (MM)	Y-AXIS INCHES (MM)	X-AXIS INCHES (MM)	Y-AXIS INCHES (MM)
X							X		14.00 (355.6)	14.40 (365.7)	13.83 (351.3)	13.59 (345.2)	13.73 (348.7)	13.94 (354.1)
	X						X		14.00 (355.6)	14.40 (365.7)	13.83 (351.3)	13.59 (345.2)	13.73 (348.7)	13.94 (354.1)
			X				X		14.00 (355.6)	14.26 (362.2)	13.83 (351.3)	13.46 (341.9)	13.73 (348.7)	13.80 (350.5)
X					X				12.00 (304.8)	14.40 (365.7)	11.83 (300.5)	13.59 (345.2)	11.21 (284.7)	13.94 (354.1)
	X				X				11.48 (291.6)	14.40 (365.7)	11.31 (287.3)	13.59 (345.2)	11.21 (284.7)	13.94 (354.1)
			X	X					11.99 (304.5)	14.26 (362.2)	11.82 (300.2)	13.46 (341.9)	11.21 (284.7)	13.80 (350.5)
X						X			9.80 (248.9)	14.15 (359.4)	9.80 (249.8)	13.59 (345.2)	7.86 (199.6)	14.02 (356.1)
	X					X			8.36 (212.3)	13.54 (343.9)	8.37 (212.6)	12.96 (329.2)	7.86 (199.6)	13.33 (338.6)
	X					X			9.80 (248.9)	14.26 (362.1)	9.80 (249.8)	13.46 (341.9)	7.86 (199.6)	13.80 (350.5)
X					X			X	10.32 (262.1)	13.39 (340.1)	10.32 (262.1)	12.73 (323.3)	9.68 (245.9)	13.10 (332.7)
X						X		X	9.25 (234.9)	13.31 (338.1)	9.24 (248.9)	12.73 (323.3)	7.86 (199.6)	13.10 (332.7)

- NOTE: 1. DISPENSE AREAS APPLY TO NON-CE MACHINES WITHOUT ENCLOSURE COVERS.
2. DISPENSE AREA MAY BE AFFECTED WHEN NEEDLE CALIBRATOR, PREDISPENSE STATION, OR NEEDLE CLEANER OPTIONS ARE ADDED.

MULTI-NOZZLE PUMPS		DISPENSE OPTIONS						HEAD OPTIONS			VISION OPTIONS				FIXTURE OPTIONS		DISPENSE AREA				
642	644	635	650	665	SPRINGE UP TO 30CC	670	680	506	451	455	401	402	750	NONE	835	911	X-AXIS INCHES (MM)		Y-AXIS INCHES (MM)		
		X												X				19.58	(497.3)	19.75	(501.6)
X													X					16.28	(413.5)	19.75	(501.6)
	X												X					15.22	(386.6)	18.29	(464.5)
		X												X				16.92	(429.8)	19.75	(501.6)
						X	X						X					16.92	(429.8)	19.75	(501.6)
X													X			X		13.71	(348.2)	17.62	(447.5)
	X												X			X		13.71	(348.2)	17.39	(441.7)
		X												X		X		13.71	(348.2)	17.62	(447.5)
						X	X						X			X		13.71	(348.2)	17.62	(447.5)
X													X		X			14.00	(355.6)	14.00	(355.6)
	X												X		X			14.00	(355.6)	14.00	(355.6)
		X												X		X		14.00	(355.6)	14.00	(355.6)
		X						X						X				16.56	(420.6)	19.32	(490.7)
		X						X						X			X	13.71	(348.2)	17.62	(447.5)
		X						X						X		X		14.00	(355.6)	14.00	(355.6)
		X						X			X							13.17	(334.5)	16.97	(431.0)
		X						X			X					X		13.69	(347.7)	14.00	(355.6)
		X						X					X			X		13.71	(348.2)	17.08	(433.8)
		X						X			X					X		13.17	(334.5)	16.97	(431.0)
		X						X				X				X		12.17	(309.1)	16.60	(421.6)
		X							X				X			X		14.00	(355.6)	14.00	(355.6)
		X							X	X						X		13.69	(347.7)	14.00	(355.6)
		X							X		X					X		12.69	(323.3)	14.00	(355.6)

NOTE: DISPENSE AREA MAY BE AFFECTED WHEN NEEDLE CALIBRATOR (820), PREDISPENSE STATION (915), OR NEEDLE CLEANER (870) ARE USED.

REV A 5/12/97

3000/3100/3800 DISPENSE AREA / BOARD SIZE

DISPENSE OPTIONS								HEAD OPTIONS			VISION OPTIONS			MAX BOARD SIZE				
642	644	635	650	665	670	680	STROKE UP TO 36CC	506	451	455	400	750	NONE	X-AXIS INCHES (MM) SEE NOTE 3		Y-AXIS INCHES (MM) SEE NOTES 1 & 2		
		X						X			X				11.71	(297.4)	15.00	(387.0)
		X									X				13.85	(351.8)	15.00	(387.0)
		X										X			14.29	(363.0)	15.00	(387.0)
		X						X				X			12.36	(313.9)	15.00	(387.0)
		X							X		X				11.00	(279.4)	15.00	(387.0)
		X								X		X			13.85	(351.8)	15.00	(387.0)
		X											X		16.60	(421.6)	15.00	(387.0)
X											X				13.39	(340.1)	15.00	(387.0)
X												X			13.83	(351.3)	15.00	(387.0)
X													X		15.31	(388.9)	15.00	(387.0)
	X										X				12.17	(309.1)	15.00	(387.0)
	X											X			13.64	(346.5)	15.00	(387.0)
	X												X		15.68	(398.3)	15.00	(387.0)

NOTE: 1. FOR SYSTEMS WITH A NEEDLE CALIBRATOR (820) AND / OR A NEEDLE CLEANER (870), THE MAX BOARD SIZE IS 13.00 INCHES (330.2 MM).

2. FOR SYSTEMS SHIPPED PRIOR TO SERIAL NO. 792, THE MAX BOARD SIZE IS 14.00 INCHES (355.6 MM).

3. X-AXIS DIMENSIONS WILL BE AFFECTED WHEN INPUT AND / OR OUTPUT BUFFERS ARE USED UNLESS OPTIONAL 60 INCH RAILS ARE USED.

1818 DISPENSE AREAS (CE & NON CE)

MULTI-NOZZLE PUMPS		DISPENSE OPTIONS				HEAD OPTIONS			VISION OPTIONS				FIXTURE OPTIONS		DISPENSE AREA					
642	644	635	650	665	SYRINGE TO 30CC	680	506	451	455	750	401	402	NONE	835-1	911-1	X-AXIS		Y-AXIS		
																INCHES	(MM)	INCHES	(MM)	
			X														19.58	(497.3)	19.75	(501.6)
X										X							16.28	(497.3)	19.75	(501.6)
	X									X							15.22	(386.6)	18.29	(464.5)
			X							X							16.92	(429.8)	19.75	(501.6)
						X				X							16.92	(429.8)	19.75	(501.6)
X										X					X		13.71	(348.2)	17.62	(447.5)
	X									X					X		13.71	(348.2)	17.39	(441.7)
			X							X					X		13.71	(348.2)	17.62	(447.5)
						X				X					X		13.71	(348.2)	17.62	(447.5)
X										X				X			14.00	(355.6)	14.00	(355.6)
	X									X				X			14.00	(355.6)	14.00	(355.6)
			X							X				X			14.00	(355.6)	14.00	(355.6)
			X				X			X							16.56	(420.6)	19.32	(490.7)
			X				X			X					X		13.71	(348.2)	17.62	(447.5)
			X				X			X				X			14.00	(355.6)	14.00	(355.6)
			X				X				X				X		13.17	(334.5)	16.97	(431.0)
			X				X				X			X			13.69	(347.7)	14.00	(355.6)
			X					X	X						X		13.71	(348.2)	17.08	(433.8)
			X					X		X					X		13.17	(334.5)	16.97	(431.0)
			X					X			X				X		12.17	(309.1)	16.60	(421.6)
			X						X	X				X			14.00	(355.6)	14.00	(355.6)
			X						X		X			X			13.69	(347.7)	14.00	(355.6)
			X						X		X			X			12.69	(323.3)	14.00	(355.6)

NOTES:

- DISPENSE AREA MAY BE AFFECTED WHEN NEEDLE CALIBRATOR, PRE-DISPENSE STATION OR NEEDLE CLEANER ARE ADDED.

2800 DISPENSE AREAS

MULTI NOZZLE PUMPS	DISPENSE OPTIONS					HEAD	DISPENSE AREA			
	635	650	665	SYRINGE TO 30CC	680		X-AXIS		Y-AXIS	
642						506	INCHES	(MM)	INCHES	(MM)
	X						19.04	(483.6)	18.00	(457.2)
X							18.40	(467.3)	18.00	(457.2)
					X		19.04	(483.6)	18.00	(457.2)
	X					X	17.50	(444.5)	17.29	(439.2)

NOTES:

5000 DISPENSE AREA / BOARD SIZE

5000 - EXTENDED TRAVEL = ~~18.00~~ 19.00 IN X

DISPENSE OPTIONS								HEAD OPTIONS			VISION OPTIONS			MAX BOARD SIZE			
642	644	635	650	665	670	680	820 UP TO 3000	506	451	455	400	750	NONE	X-AXIS INCHES (MM)		Y-AXIS INCHES (MM)	
		SEE NOTE 3							SEE NOTE 3						SEE NOTES 1 & 2		
				X				X			X			17.31	(439.7)	19.00	(482.6)
				X							X			19.49	(495.0)	19.00	(482.6)
				X								X		19.89	(505.2)	19.00	(482.6)
				X				X				X		17.96	(456.2)	19.00	(482.6)
				X					X		X			16.60	(421.6)	19.00	(482.6)
				X					X			X		19.45	(494.0)	19.00	(482.6)
				X									X	22.20	(563.9)	19.00	(482.6)
X											X			18.84	(478.5)	19.00	(482.6)
X												X		19.24	(488.7)	19.00	(482.6)
X													X	20.91	(531.1)	19.00	(482.6)
	X										X			17.77	(451.4)	19.00	(482.6)
	X											X		19.43	(493.5)	19.00	(482.6)
	X												X	21.29	(540.8)	19.00	(482.6)

- NOTE: 1. FOR SYSTEMS WITH A NEEDLE CALIBRATOR (820) AND / OR A NEEDLE CLEANER (870), THE MAX BOARD SIZE IS 17.00 INCHES (431.8 MM).
2. FOR SYSTEMS SHIPPED PRIOR TO SERIAL NO. 792, THE Y-AXIS SIZES SHOWN FOR MAX BOARD SIZE ARE 18.00 INCHES (457.2 MM).
3. X-AXIS DIMENSIONS WILL BE AFFECTED WHEN INPUT AND / OR OUTPUT BUFFERS ARE USED UNLESS OPTIONAL 72 INCH RAILS ARE USED.