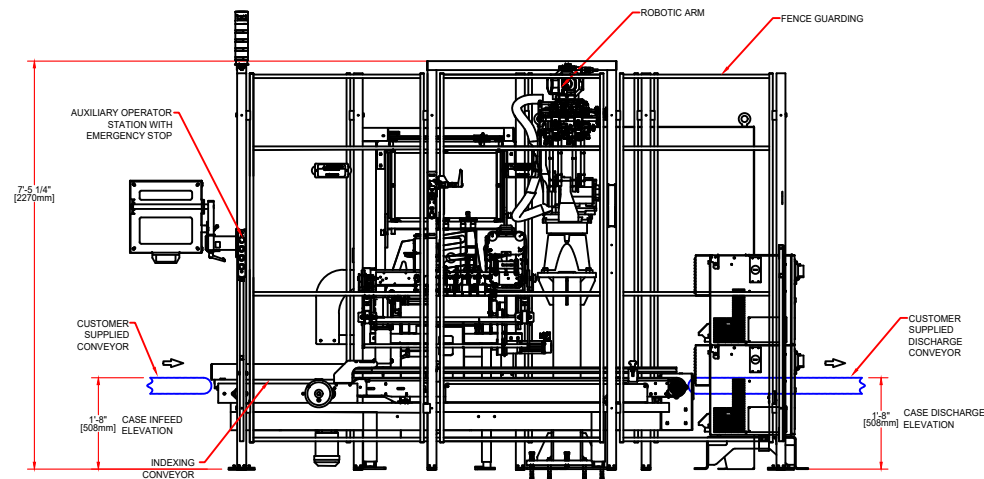


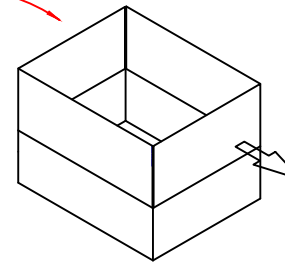
PLAN VIEW



ELEVATION VIEW

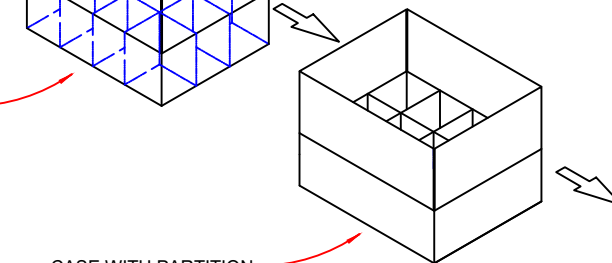
SINGLE ROBOT LOAD SEQUENCE IS SHOWN FOR CLARITY  
TWO ROBOTS ARE ACTUALLY LOADING EVERY OTHER CASE

CASE IS INDEXED INTO THE CASE CONVEYOR



PARTITION IS INSERTED AS CASE IS CONVEYED PAST THE ROBOTIC ARM (CONTINUOUS MOTION INSERTING)

CASE WITH PARTITION INSERTED IS DISCHARGED



COLLAPSED PARTITION BLANKS ARE SINGULATED FROM MAGAZINE AND PRESENTED TO ROBOT

FINGERS WITH SUCTION CUPS ON ROBOTIC END OF ARM TOOL ATTACH TO PARTITION BLANK FROM BOTH SIDES

ROBOT PULLS PARTITION BLANK OUT OVER CASE AND FINGERS ROTATE, CAUSING PARTITION TO OPEN

PARTITION INSERTING SEQUENCE

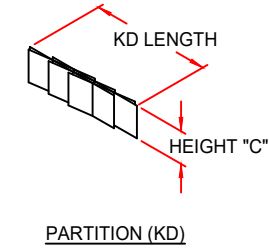
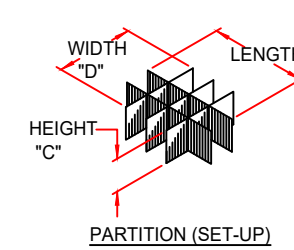
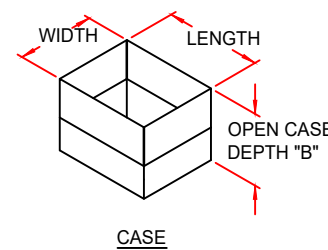
UTILITY REQUIREMENTS

AIR: 1.077 SCF/CYCLE @ 80 PSI  
21.540 SCFM @ 80PSI @ 20 CASE/MIN

ELECTRICITY: 460 VAC, 3 PHASE, 60 Hz (STANDARD)  
CIRCUIT BREAKER - TBD

POWER REQUIREMENTS PROVIDED ARE FOR A BASE MACHINE AND CUSTOM OPTIONS MAY RESULT IN CHANGES.

ESTIMATED MACHINE WEIGHT = 3,000 LBS (1364 kg)



SPECIFICATIONS							
CASE SIZE				PARTITION SIZE			
	LENGTH	WIDTH	HEIGHT "B" (OPEN)	KD LENGTH	LENGTH	WIDTH "D"	HEIGHT "C" (OPEN)
MIN	8.0" (203mm)	5.0" (127mm)	3.0" (76mm)	8.0" (203mm)	8.0" (203mm)	4.0" (102mm)	3.0" (76mm)
MAX	24.0" (609mm)	14.0" (356mm)	14.0" (356mm)	22.0" (559mm)	16.0" (406mm)	14.0" (356mm)	14.0" (356mm)

NOTE: MINIMUM PARTITION CELL DIMENSIONS ARE 2.25" X 2.25" TO ALLOW ROOM FOR VACUUM FINGERS

PRELIMINARY

(ALL DIMENSIONS ARE APPROXIMATE AND MAY VARY WITH FINAL DESIGN)

PROPRIETARY  
NEITHER THIS DOCUMENT NOR THE INFORMATION CONTAINED THEREIN MAY BE REPRODUCED OR DISCLOSED TO ANYONE WITHOUT THE WRITTEN PERMISSION OF R.A. PEARSON CO.

DATE	REVISION	REV. NO.	REV. BY	CHKD BY
12/01/20	UPDATE MAGAZINE AND CASE CONVEYOR		T.H.	
3/20/19	CORRECTED AIR CONSUMPTION CALLOUT		K.A.	

2' - 2 7/16" 672

DIMENSIONS ARE IN FOOT FRACTION INCH OVER MILLIMETERS.

**PEARSON**  
PACKAGING SYSTEMS

9120 WEST SUNSET HIGHWAY  
SPokane, WASHINGTON 99224  
WWW.PEARSONPKG.COM

TITLE: RPI 20 ROBOTIC PARTITION INSERTER (GENERIC)

DR. K.A. 8/31/18 DWG. NO. 1004580

CHK. APP. SCALE SHEET