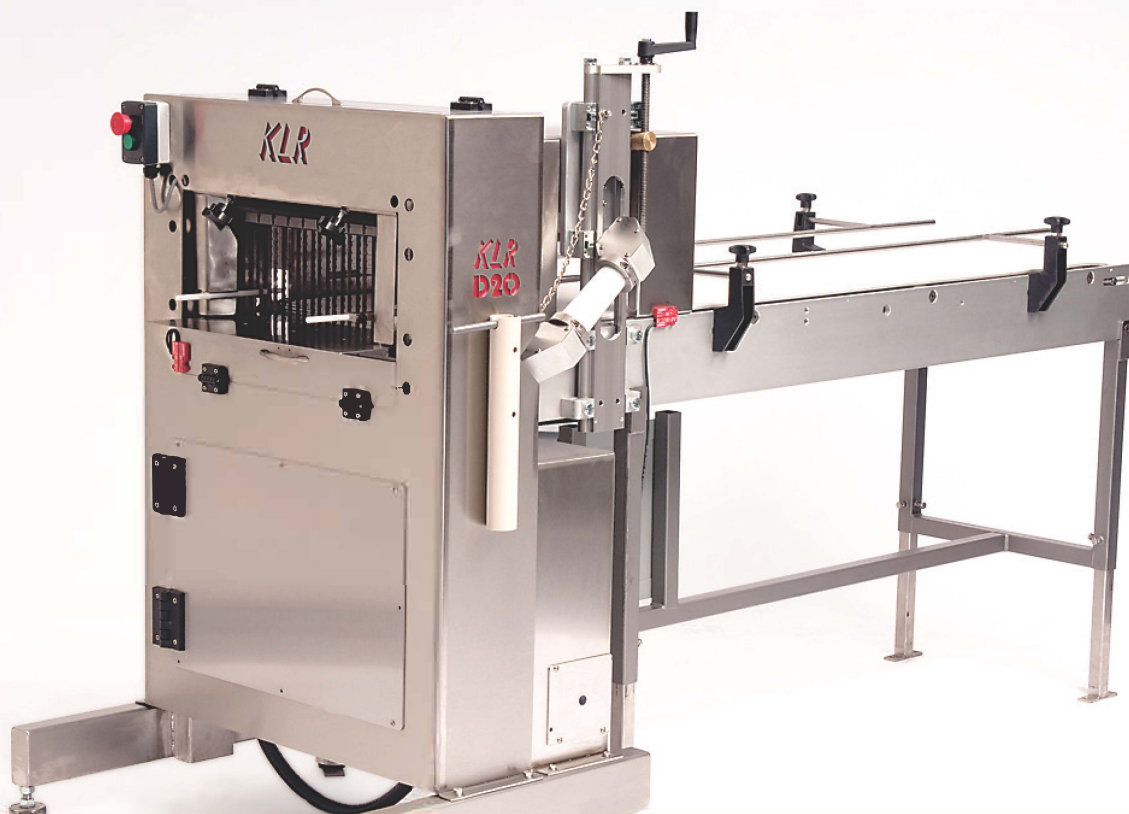




BREAD SLICER KLR D 20



© Photo : Focus-Photos

**EASY TO CHANGE SLICE THICKNESS
DESIGNED FOR IRREGULAR BREAD AND PAN BREAD
AUTOMATIC INFEED**

HEAD OFFICE
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IDENTIFICATION

The product brand and type designation

Manufacturer: KLR Systems

Machine designation: KLR.D20

Version of the machine

Serial number: Located on the slicer frame in the bottom left side as shown in the following picture



The Manufacturer name and contact

KLR SYSTEMS INC.

944 Heron Street

Saint-Pie, QUEBEC, CANADA

JOH 1W0

PRODUCT SPECIFICATION

Declaration of conformity with standards of products

Standard: CSA

Range of applications intended use and general functions

This machine is an automatic slicer with an infeed conveyor designed to slice irregular bread and pan bread. The blades frame thickness is easy to change.

Dimensions and weight (for transport)

Minimal space required for packaging:

Length: 95"

Width: 37"

Height: 60"

Electric specification

A power cord is already installed to the slicer. It is intended to use these specifications:

Voltage: 120v, 60 Hz, 15A

INSTALLATION

To be checked before turning ON the slicer

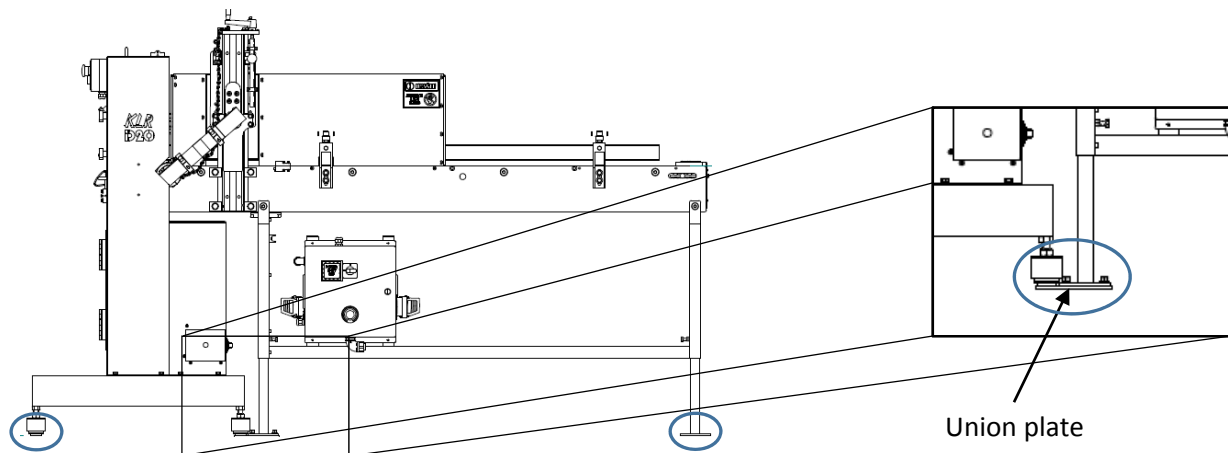
- Voltage request by the machine needs to be well installed and as the specification of the machine;
- Check that the machine is levelled, all legs are well stable and anchored on the floor;
- No tool or anything else left on the belt or mechanisms that could potentially damage this equipment;
- Verify if anything may obstruct the mechanism of the machine during the operation;
- Verify the adjustment and the tracking of each belt (see maintenance procedure).

Unpack procedures

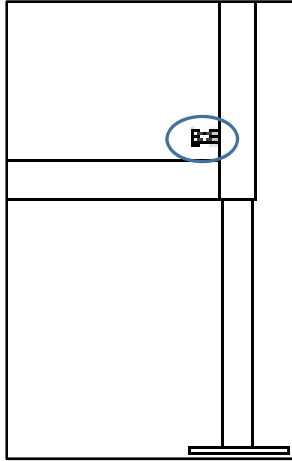
- Remove all red marked screws on the front crate;
- Remove the front panel;
- Remove every bolt that maintains the machine stable in the crate;
- With a fork lift, gently lift underneath the frame of the equipment;
- Be sure that the machine is stable on the forks;
- Back off the crate with the machine and lower it as soon as possible;
- Find the ideal location;

Adjusting and anchoring

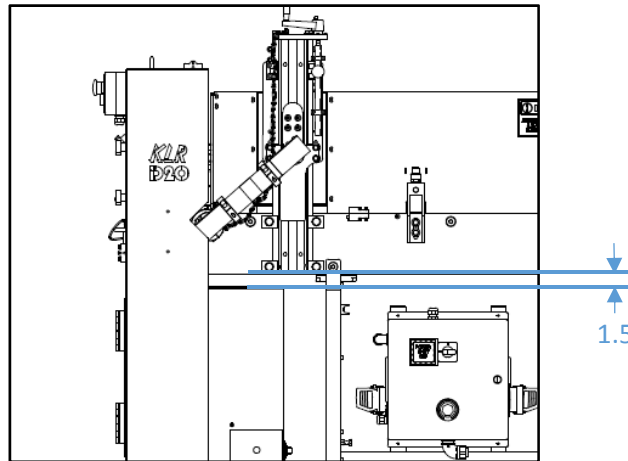
It is highly recommended to assemble both parts, the slicer and the feeder (infeed) together with the union plate and bolts provided. It is important to make sure the infeed conveyor and the slicer are levelled and well stable. After the levelling, every foot needs to be anchored in the floor with cement type screws.



Every foot on the conveyor has two (2) adjustable screws (picture 1). Simply support underneath the frame with a lifting device to prevent fall, then slide the foot to the correct measure and tight it. Also, during the levelling, it is very important to respect 1.5 inches between the conveyor and the slicer as shown the picture 2.



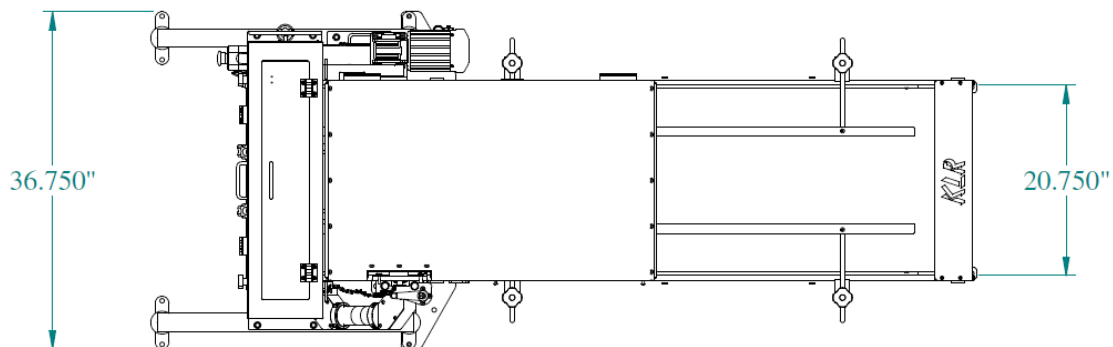
Picture 1



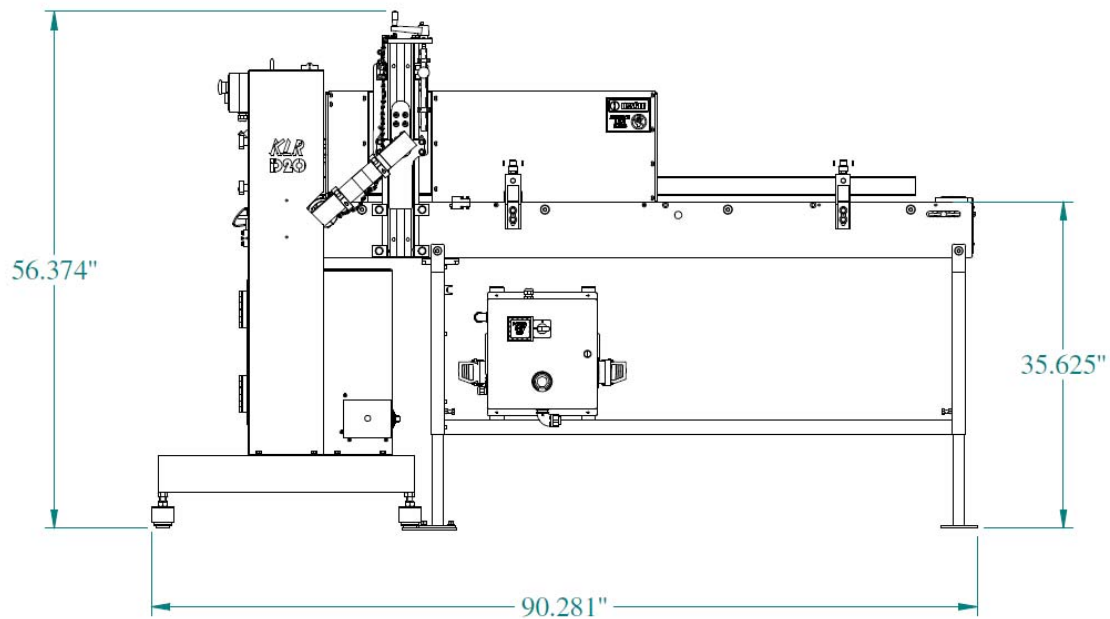
Picture 2

Minimal space required for installation

Dimensions are in inches



Another view on the following page



Location of the instructions

The instruction will be in the packaging.

OPERATION

How to start the machine

This machine is equipped with a standard emergency stop and three (3) safety relays. To start, the machine needs to be turned ON, all doors close, emergency stop pulled out and start button pressed (green button). There is also a speed control for the infeed.





Setup

First, most adjustments are made when the machine is not running. You will need to adjust the machine with the product that will be sliced. To do so, follow that advice:

- Align couple of bread on the infield, then adjust the side guides roughly to the bread with a little gap to let them go easily on the belt;



- Take one full loaf and put on the exit and proceed to the front adjustment;

The next pictures explain what to do with every adjustment:



You will need to adjust the plastic guides through the blade space and reach the infeed guide. Do this operation when the machine is off. Take in consideration not to apply pressure on the side of the blade and adjust the plastic guide the way you will keep a satisfying crust.



Go look on the other side and you should get this result. All guides should be aligned. Also, the bread should be roughly in the middle of the compression belt:



Compression belt

Slice, one bread. Take note this machine need at least two breads on the conveyor to work since it needs to be pushed into the blade. Some time, you will get a tiny crust on the side. This probably means that the bread needs to be compressing a little bit more on this side.



See a good result on the other page

Good result



SAFETY PRECAUTION

Be sure to turn off the equipment and put a padlock on the electrical box before any maintenance and cleaning that could potentially hurt or kill somebody.



We highly recommend turning off and disconnect the equipment for all maintenance and cleaning. Please check that you have enough space to work and to open the equipment for maintenance.

Any modification made on the equipment regarding, mechanical aspect, safety sensors, electricity, design or any part that is closely related to the equipment will void all guarantees and responsibility from KLR Systems. If a modification is required, please contact KLR Systems for approval. All technical manipulation must be made by a qualified technician or a technician from KLR Systems.

We're not responsible for any abuse, wrong manipulation, wrong utilization, wrong maintenance and maintenance made by the owner and users.

Personal protective

Air blower: please, wear safety glasses when using an air blower for cleaning.

Habit: For more safety, Long hair should be tied. Use sleeveless clothes avoid shirt bottoms that could be driving into the conveyor.

When blade handling, we highly recommend wearing cut resistant gloves due to extremely sharp blade.



Security labels

Safety labels are there for your safety, Keep them clean and legible. Do not remove them even if it is obstructed of sight. If you must replace a piece with a safety label on it, please order a label to replace it as well.



Leave this door closed while the machine is running.
NEVER bypass the systems put in place for the safety of the user.



As soon as all the conditions are reached, the machine is ready to start a movement.

ALWAYS padlock the machine for any kind of maintenance or cleaning.



KEEP your hands away from this place .

Safety components

This machine is designed to be as safe as possible. Danger areas have been enclosed with cases and doors for better protections.

Safety switches: DO NOT bypass any safety components for any reason on the machine. Violation will avoid all guaranties and responsibility from KLR Systems. If a safety switch is broken, the machine won't start, but it needs to be replaced before to start the machine

safety panel or safety doors: As a safety component, do not try to remove or unscrew them unless it is necessary for a maintenance operation. Do keep in mind to use pad lock during this procedure and to reassemble every single piece as it was when finished.

MAINTENANCE AND CLEANING

Preventive maintenance schedule

Here is a quick way to take care of your machine by a preventive maintenance schedule:

PREVENTIVE MAINTENANCE SCHEDULE			
Location	Procedure	Time interval	Remarks
Slicer opening	8 greasing ports	3 months	Change greasing ports when leaking.
Slicer front door (under)	2 greasing ports	3 months	Change greasing ports when leaking.
Slicer front door (under)	Verify belt tension	3 months	Take advantage of the door opened when greasing maintenance to verify any potential problems
Slicer front door (under)	Verify bearings wear	3 months	
Safety	Verify safety devices	1 months	None
Compression belt	Adjusting tension and tracking belt	When belt change or if needed	During the first couple hours of operation, please check the tracking because it takes some time for the belt to take place.
Infeed belt	Adjusting tension and tracking belt	When belt change or if needed	
Compression belt	Verify bushing wear	3 months	Only wear if the belt is overtightened
Infeed motor	Verify chain wear and tightness	3 months	None
Cleaning	Air blow and emptying the bucket	daily	For more safety, remove blade holder with cut-resistant glove
Blade holder	Changing blade	When needed, highly depends on the production	Work with cut-resistant glove

Greasing

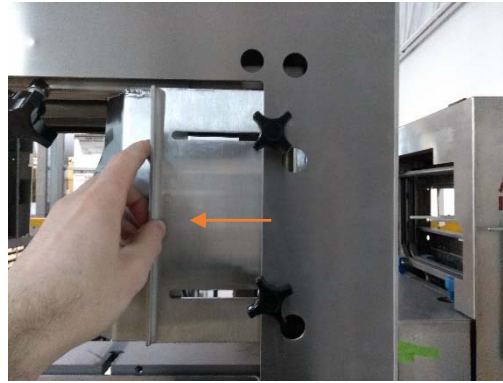
- Reach the front panel and unscrew seven (7) screws with a 1/8 Allen key.



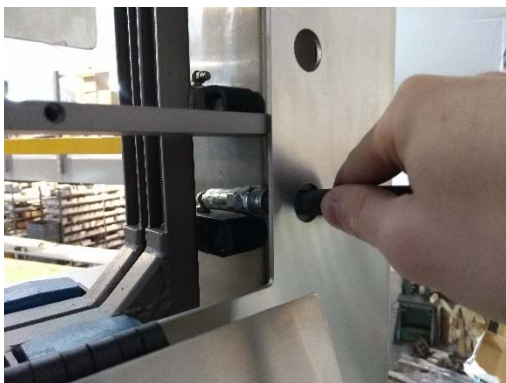
- Open the panel, grease the two (2) bearing on each side



- Loose both stopper on each side and slide them in



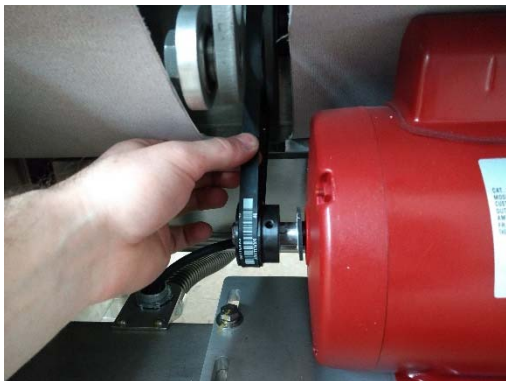
- Grease eight (8) ports on each side, then remove excess with a clean towel





Slicer motor belt tension

- Look if it has black particles in the bottom, it might say the belt tension is too high;
- Otherwise check the belt tension by hand. It should not move up and down more than the thickness of the belt.



Infeed motor chain tension

- Unscrew two (2) screws on the chain safety guard. Remove it;
- Check for any damage;
- Chain tension depends on the length between both axes. When you move the chain up and down with your hand, the chain should never move more than the thickness of the chain.
- If the tension is not ideal, there are 4 bolts behind the motor for adjustment: loose them move the motor further or closer, and then, tight back by holding the motor with one hand.

Safety wiring check

- Open the top door on the slicer, and then verify if there is any damage on the safety wire as shown the second picture. There is a plate in front to cover, if the wire is damaging (it happens when the blades are removed, and the blade fingers wear the cable), we recommend changing it as soon as possible;



- Verify the emergency stop by pushing and pulling it. It must be firm but not too hard to push.

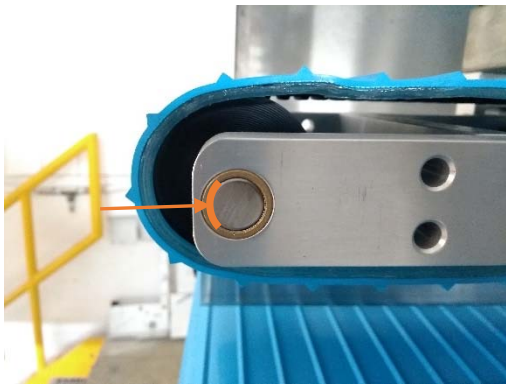


Compression belt

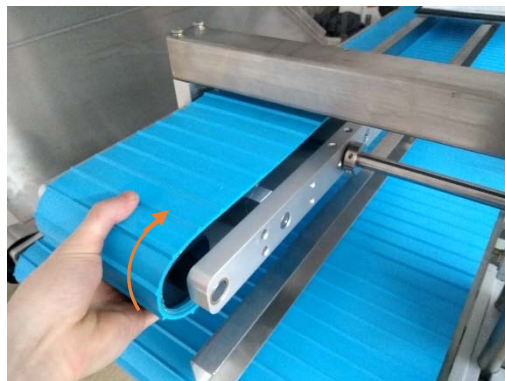
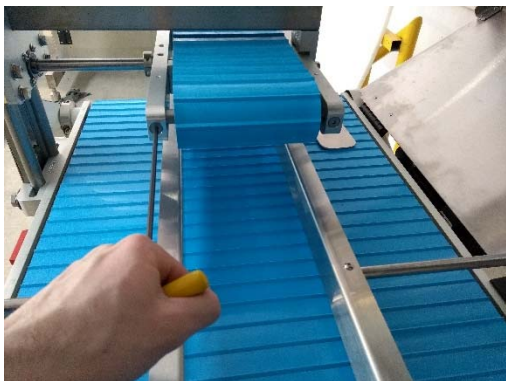
The compression belt is designed to compress the bread and help the bread to reach the slicer



- Check for bushing wear, if you can see a gap in the brass bushing, it means that the belt has been overtightens.



- Tight the belt: For tightening the belt, screws by alternate both flat-head screws in the rear until the belt stop sliding on rollers. At this point, no need to tight anymore;



- The belt needs to be tracked and stay in the middle of the assembly: For this, you need to make the conveyor working to track it. If you need for example bring the belt to the right by turning the left screws $\frac{1}{2}$ counter clockwise, you should instead split in two and turn the right screw clockwise to prevent over-tight the belt. As a result, the left screws would be turning $\frac{1}{4}$ counter clockwise and turn the right screw $\frac{1}{4}$ clockwise.



Brass bushing on the crank rod

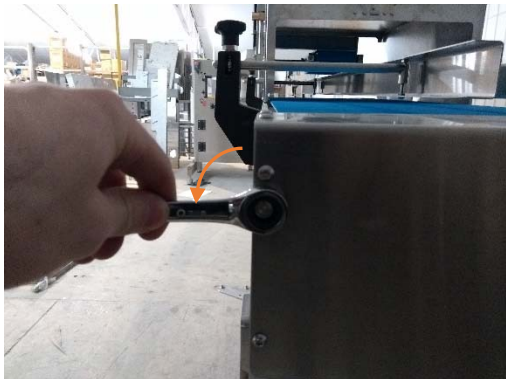
- Check the rigidity of the crank. It should be easy to travel up and down the rod. If it is hard to rotate, you may want to change the brass part.



Brass bushing

Infeed belt

- Tight and track the infeed belt. The same idea as the compression belt works for this one. Make the infeed running, then try to hold the belt with one hand, when you can't hold, no need to tight it anymore.



Cleaning

Cleaning is very important. It is part of the maintenance because it helps the machine work well and last longer. We do recommend cleaning every working day.

Cleaning interior

- Open the doors to get access;
- Use air blowers to get rid of the dust;
- Sanitize the pushers since these are in contact with food;

Cleaning the conveyor

- Blow with air guns on top and under;
- Spray sanitizer directly on the belt;

Cleaning the blade racks

- Blow with air guns on top and under;
- Spray sanitizer directly on the blade;

Emptying the drawer

- Unlock the drawer;
- Remove the drawer and dispose the crumbs;
- Blow with air blower.

MAINTENANCE AND REPARATIONS BY TECHNICIANS FROM KLR SYSTEMS

Contact information for service technicians

The contact and phone number of the manufacturer from which can get technical support.

KLR SYSTEMS INC.

944 Heron Street,

Saint-Pie, QC, CANADA

JOH 1W0

(450)774-8338

Info@klrsystems.com

www.klrsystems.com

SPARE PARTS LIST AND CONSUMABLES

Numbers	Part numbers	Description	Quantity
1	PM-00600	V BELT	1
2	PE-00136	MAGNET SAFETY SWITCH	1
3	PE-00204	FUSE	2
4	PE-00202	FUSE	2
5	PM-00055	TIMING BELT	1
6	PM-00178	FOUR PRONG KNOB	1
7	PM-00174	FOUR PRONG KNOB	1
8	PM-00164	SHEAR LOK	4
9	PR-01074G	BREAD GUIDE	4
10	LAME.235	BLADES	100

DECOMMISSIONING OF THE PRODUCT

It is advisable to plan a tour of KLR to reinstall the equipment after a prolonged deactivation, a move, destruction, recycling or disposal.

CHECK LIST

When assembled in our facility, we do have a standard applied on each machine we produce to ensure quality. To be transparent to our customer and prove that important steps have not been forgotten. Keep in mind that most of the steps aren't in this list because of the complexity of the machine, but the steps that are specific to this assembly.

START UP CHECK LIST FOR THE SLICER KLR.D20

Mechanic		
Where	Tasks	Check
Blade mechanism	Make sure to take note the dimensions of every pins and put it in the customer files;	☐ N/A ☐
	Put grease in each pin;	☐ N/A ☐
	Plug the power cord and try it about 30 minutes;	☐ N/A ☐
	Make sure no belt particle drops off the timing belt during running (must run 30 minutes);	☐ N/A ☐
Conveyor	Make sure the belts are aligned and tracked;	☐ N/A ☐
	Belts are tight properly;	☐ N/A ☐
	Check underneath there is no screw that could break the belt over time.;	☐ N/A ☐
	Check the rotation of the motors;	☐ N/A ☐
	Check if the crank is easy to raise and lower the compression belt;	☐ N/A ☐
	two shaft collars 5/8 are installed on the crank rod to prevent too high and too low;	☐ N/A ☐
	Check the height of the conveyor, must be 1.5 inch from the slicer cover underneath;	☐ N/A ☐
Gear boxes	Check the perpendicularity with both shafts;	☐ N/A ☐
	Every single set screw is tight;	☐ N/A ☐
	Middle shaft of the mechanism is free;	☐ N/A ☐
	Both are full of grease;	☐ N/A ☐
Chain	Cover is not touching the chain;	☐ N/A ☐
	The chain does have a good tension;	☐ N/A ☐
Slicer frame	Feet must have RED Loctite on it;	☐ N/A ☐

Electric		
Where	Tasks	Check
Safety	Run the machine, check if all three safety stop the machine when the circuit is open. Also check is the safety relay is doing a fault;	☐ N/A ☐
Emergency buttons	While running the machine, check the emergency button to see if it stops the machine.	☐ N/A ☐

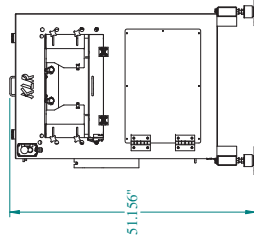
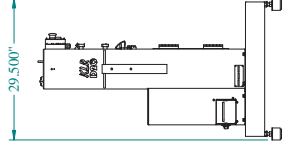
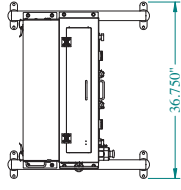
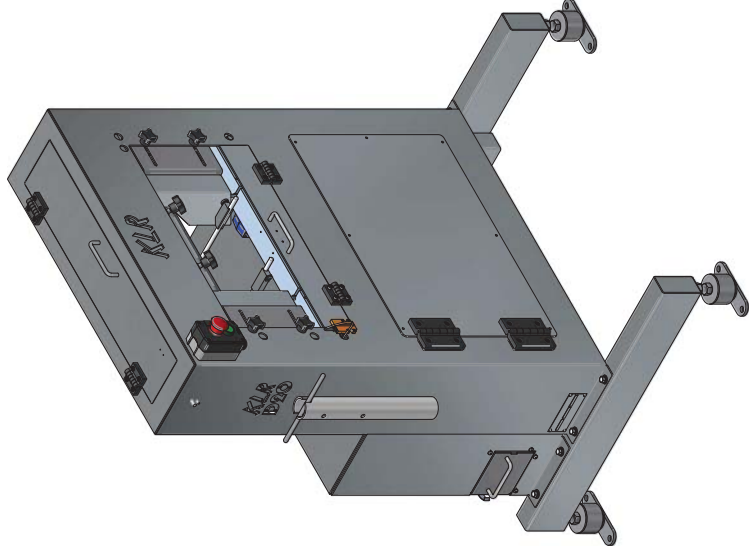
Others		
Where	Tasks	Check
Machine	All safety labels are installed and paperwork in the electrical boxes	☐ N/A ☐

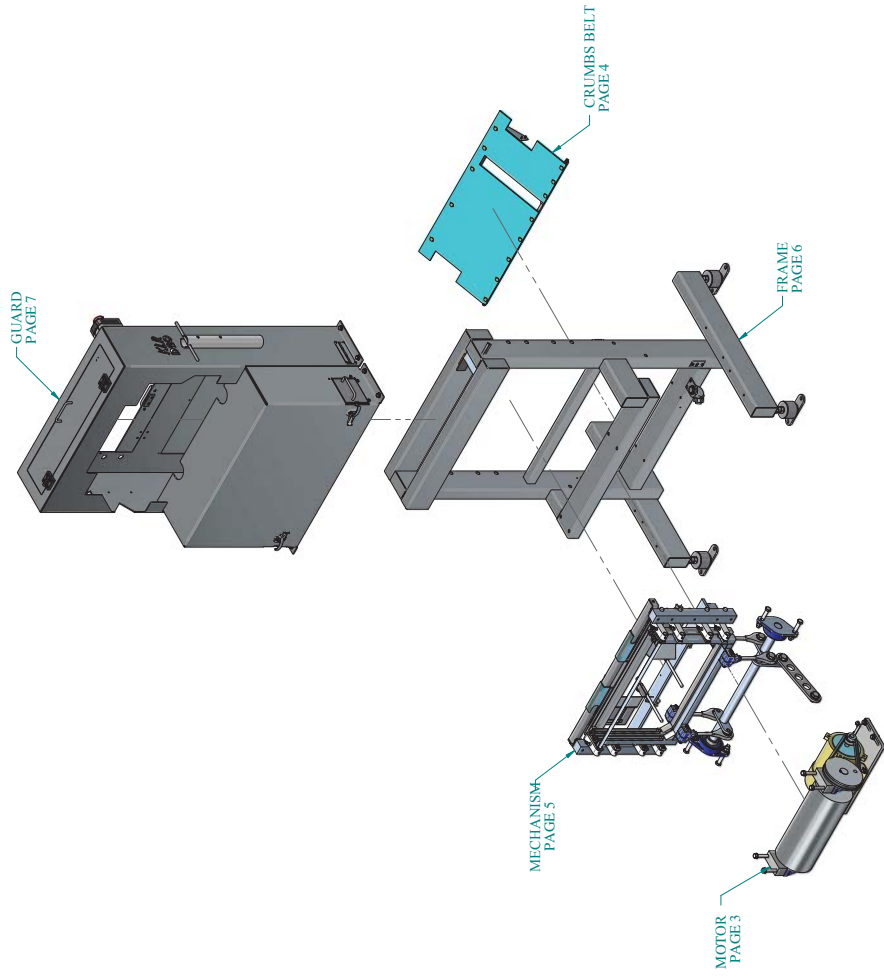
DATE: _____ TECHNICIAN SIGNATURE: _____

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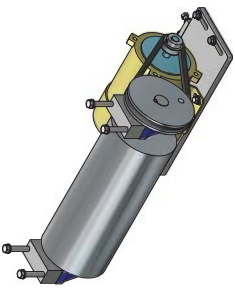
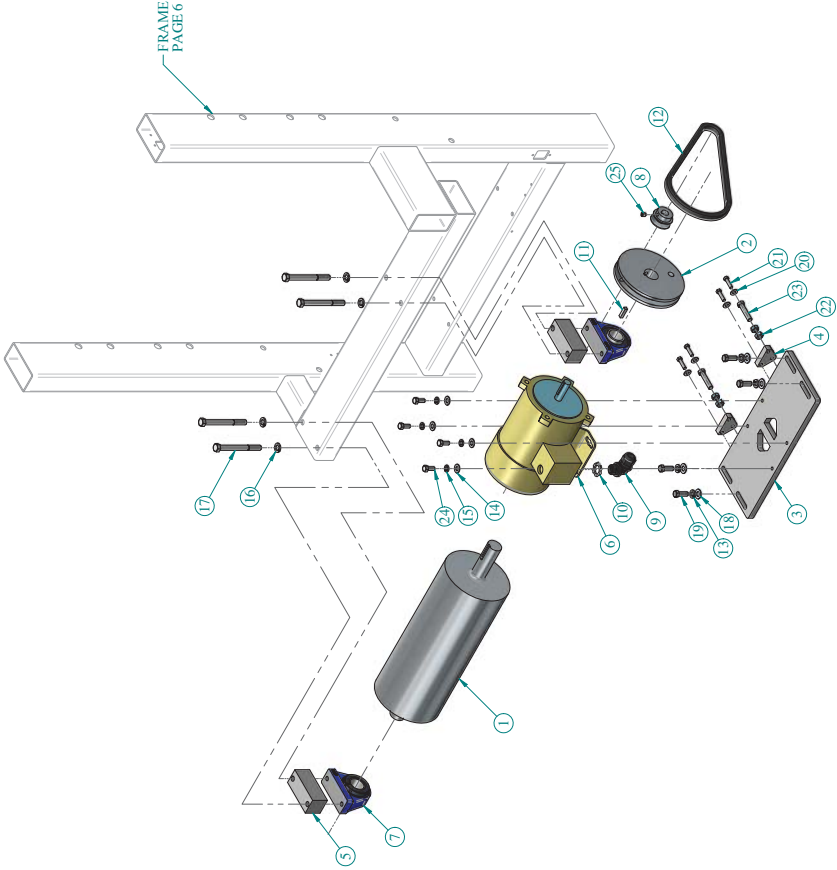
SYSTEMES  **SYSTEMS Inc**

KLR.D20 SLICER



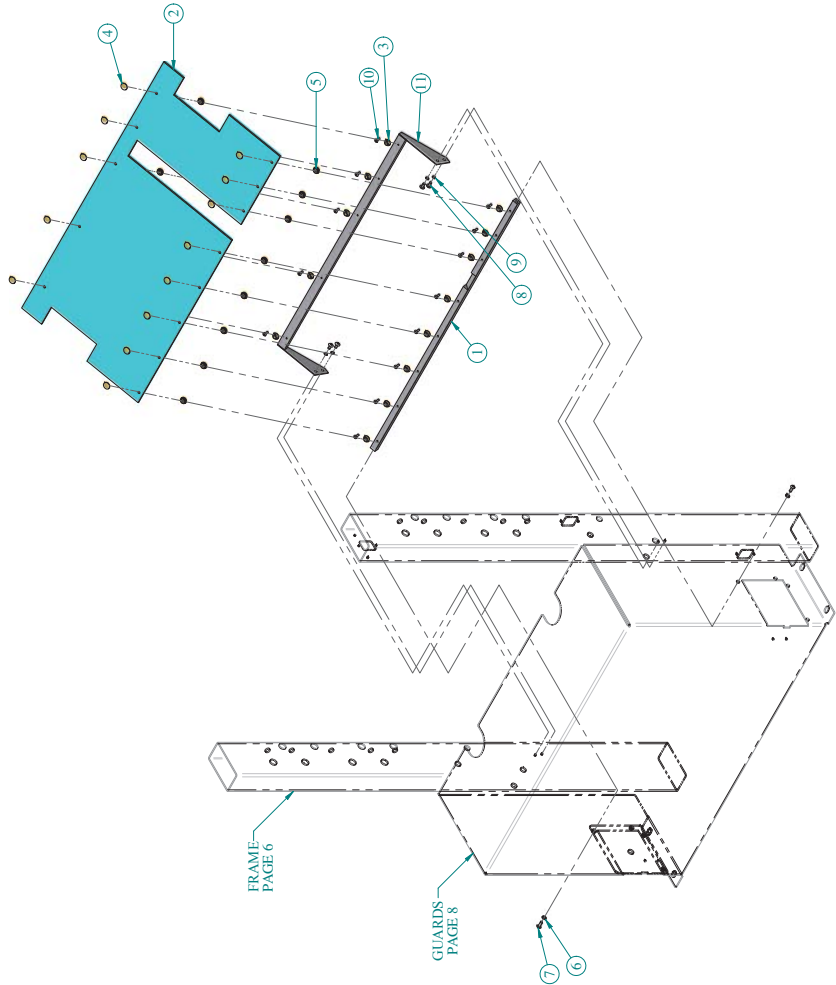
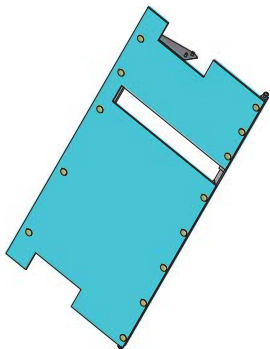


SYSTEMES *KLAR* SYSTEMS Inc
MOTOR



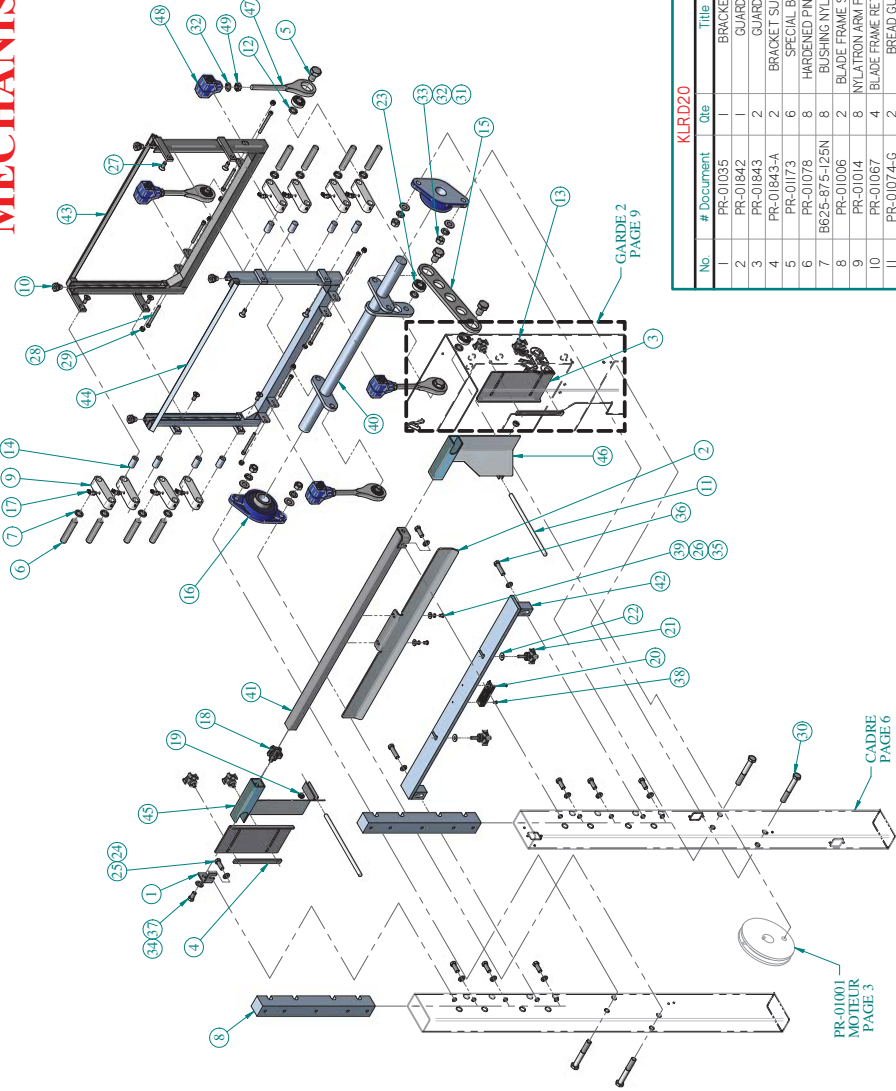
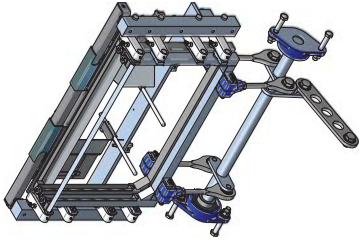
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1	PR-01003		1	ROLLER
2	PR-01001		1	MOTOR BELT ROLL
3	PR-01032		1	MOTOR SUPPORT PLATE
4	PR-01032-B		2	BELT BINDER
5	PR-01052		2	SHIM
6	PE-00252		1	AC MOTOR C-FLANGE
7	PM-00126		2	THREAD BEARING
8	SV-AS17K		1	PULLEY
9	PE-00441		1	SQUEEZE ELECTRIC 90 DEGRE X 1/2
10	PE-00106		1	LOCK NUT 1/2"
11	PM-01417-I		1	MACHINE KEY 1/4" ZINC
12	PM-00600		1	AX28 V-BELT
13	F02-3735		4	LOCK WASHER 3/8" STAINLESS
14	F01-312S		4	FLAT WASHER 5/16" STAINLESS
15	F02-312S		4	LOCK WASHER 5/16" STAINLESS
16	F02-438S		4	LOCK WASHER 7/16" STAINLESS
17	F13-438C68		4	HEX HEAD 7-16-14 X 4 1/4" ZINC
18	F01-375S		4	FLAT WASHER 3/8" STAINLESS STEEL
19	F13-375C16S		4	HEX HEAD 3/8-16 X 1" STAINLESS
20	F01-250S		4	FLAT WASHER # 14 STAINLESS
21	F13-250C16S		4	HEX HEAD 1/4-20 X 1" STAINLESS
22	F03-375C		4	HEX NUT 3/8-16 ZINC
23	F13-375C28F		2	HEX HEAD 3/8-16 X 1 3/4 FULL THREAD ZINC
24	F13-312C12		4	HEX HEAD 5/16-18 X 3/4" ZINC
25	F06-312C06B		1	SET SCREW 5/16-18 X 3/8 BLACK

SYSTEMES SYSTEMS Inc
CRUMBS BELT



KLRD20					
No	#	Document	Qty	Categorie	Title
1		PR-01094	1	Machinage	DUST REPELLING CARPET ROD
2		PR-01175-A	1	Machinage	BELT FOR CRUMBS
3		PM-01601	13	Pièce achetée	SNAP 1ST PART
4		PM-01602	13	Pièce achetée	SNAP 2ND PART
5		PM-01603	13	Pièce achetée	SNAP THIRD PART
6		F02-2505	2	Quincaillerie	LOCK WASHER # 14 STAINLESS
7		F11-190F-08S	2	Quincaillerie	BUTTON HEAD 10-32 X 1/2 STAINLESS
8		F11-190F-06S	4	Quincaillerie	BUTTON HEAD 10-32 X 3/8 STAINLESS
9		F02-1905	4	Quincaillerie	LOCK WASHER #10 STAINLESS
10		F11-138C08S	13	Quincaillerie	BUTTON HEAD 6-32 X 1/2 STAINLESS
11		PR-01084	1	Soudage	DUST PROTECTOR TIE PLATE

SYSTEMES KLR SYSTEMS Inc MECHANISM



KLRD20		
No.	# Document	Qty
1	PR-01035	1
2	PR-01842	1
3	PR-01843	2
4	PR-01843-A	2
5	PR-01073	6
6	PR-01078	8
7	B625-875-125N	8
8	PR-01006	2
9	PR-01014	8
10	PR-01067	4
11	PR-01074-G	2
12	B625-875-125C	6
13	PR-01844	4
14	PR-01077	8
BRACKET		
GUARD		
SPECIAL BOLT		
HARDENED PN 5/8 DIA		
BUSHING NYLATRON		
BLADE FRAME SUPPORT		
NYLATRON ARM FOR SLICER		
BLADE FRAME RETAINING PIN		
BREAD GUIDE		
STEEL BUSHING		
FOUR PRONG KNOB		
HARDENED PN 5/8 DIA		

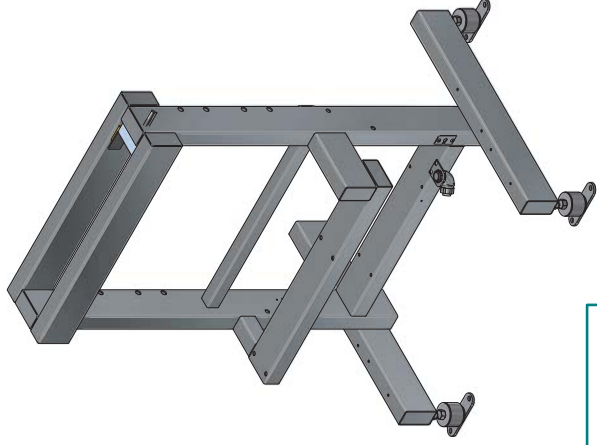
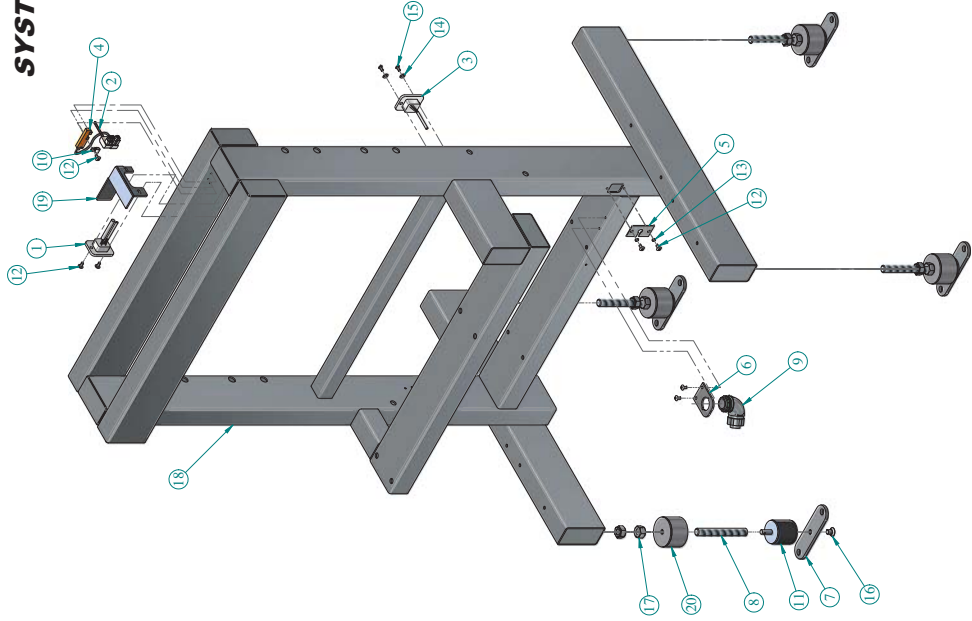
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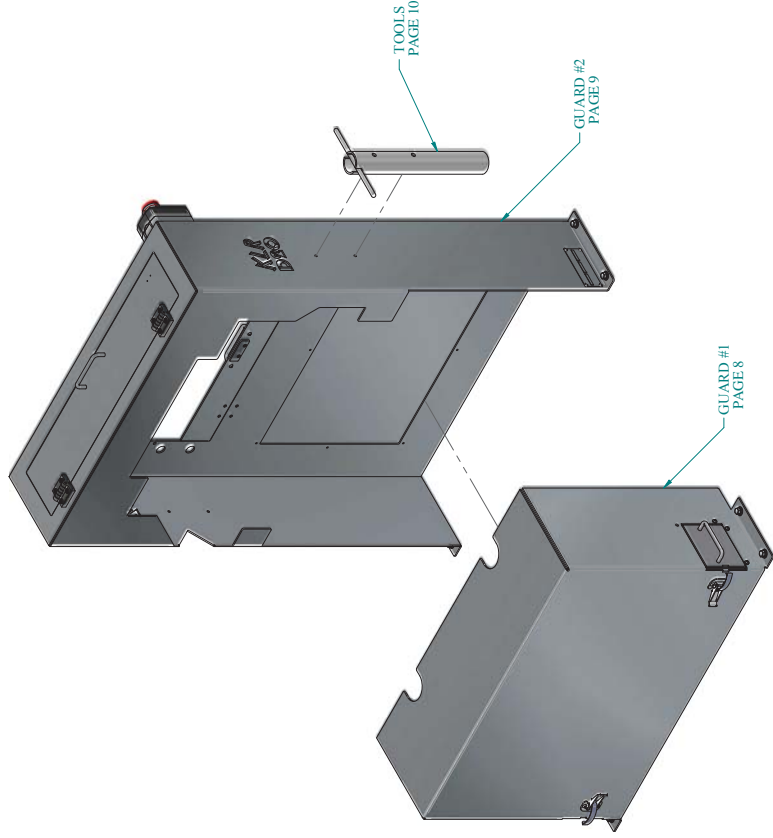
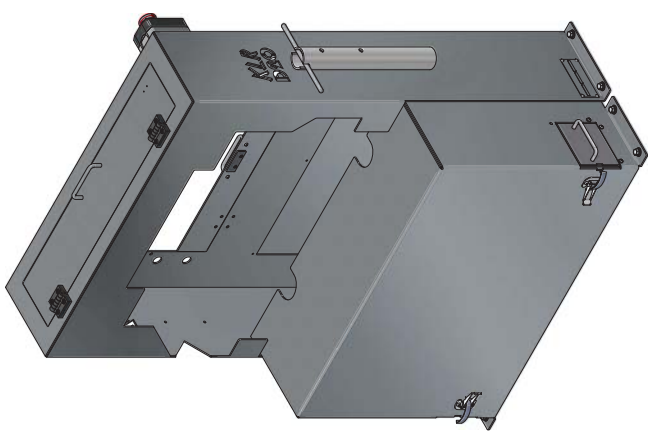
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16	PM-00122	2
17	PM-00323	8
18	PM-00176	2
19	PM-00162	2
20	PM-00700	1
21	PM-00174	2
22	OM-0025	2
23	PM-02194	6
24	F02-375S	10
25	F13-375C16	8
26	F02-250S	2
27	F12-312C125	8
28	F10-250C445	8
29	F03-250CN	8
30	F13-500C56	4
31	F01-500	4
32	F02-500	8
33	F03-500C	4
34	F01-375S	1
35	F13-375C245	2
36	F13-375C12	1
37	F13-375C12	2
38	F11-136C065	2
39	F11-250C065	2
40	PR-01061	1
41	PR-01033	1
42	PR-01016	1
43	PR-01005	1
44	PR-01004	1
45	PR-01034-R	1
46	PR-01034-L	1
47	PR-01056	4
48	PR-09485	4
49	F03-M12	4
TRANSFER PLATE		
2 HOLES BEARING FLANGE		
GREASE FITTING		
FOUR PRONG KNOB STD 3/8 16		
HANDLE WITHOUT SCREW		
MAGNET		
FOUR PRONG KNOB		
SPECIAL WASHER		
BEARING		
LOCK WASHER 3/8" STAINLESS		
HEX HEAD 3/8-16 X 1.7 ZINC		
LOCK WASHER # 14 STAINLESS		
FLAT HEAD 9/16-18 X 3/4 STAINLESS		
SCREW TOP 1/4-20 X 3/4 STAINLESS		
1/4 SS NYLON LOCK NUT		
HEX HEAD 1/2-13 X 3 1/2 ZINC		
LOCK WASHER 1/2" ZINC		
NUT HEX 1/2-13 ZINC		
FLAT WASHER 3/8" STAINLESS STEEL		
FLAT WASHER # 14 STAINLESS		
BOLT HEAD 3/8-16 X 1/2 STAINLESS		
HEX HEAD 3/8-16 X 3/4 ZINC		
BUTTERHEAD 6-32 X 3/8 STAINLESS		
MAIN SHAFT		
GUIDING PLATE SUPPORT		
INFEED SUPPORT ASSEMBLY		
BLADE FRONT FRAME		
BLADE REAR FRAME		
ADJUSTABLE SLIDING PLATE		
ADJUSTABLE SLIDING PLATE		
ROSTA ROD		
NUT HEX M12		

SYSTEMES **KLR** **SYSTEMS Inc**
FRAME



KLRD20			
No	#	Document	Qty Title
1	1	PR-01181	1 MOLDED PLANE CONNECTOR SWITCH
2	1	PR-01177	1 CABLE CONTROL BOX
3	1	PR-01182	1 UPPER MAGNETIC CODE
4	1	PR-01180	1 MAGNETIC CODE ASSEMBLY
5	1	PR-01098	1 GROMMET PLATE
6	1	PR-00000-L	1 BRACKET
7	4	PR-01069	4 VIBRATION MOUNT PLATE
8	4	PR-01068	4 LEG THREADED ROD
9	1	PE-00111-A	1 CONNECTOR 3/4" - 90 DEGREES
10	1	PE-01002	1 NYLON CABLE CLAMP
11	4	PM-00185	4 VULCANIZED VIBRATION MOUNT
12	7	FI1-190F065	7 BUTTON HEAD 10-32 X 3/8" STAINLESS
13	2	F02-190S	2 LOCK WASHER #10 STAINLESS
14	2	F01-164S	2 FLAT WASHER #8 STAINLESS
15	2	FI1-164C065	2 BUTTON HEAD 8-32 X 3/8" STAINLESS
16	4	FI2-375C08S	4 FLAT HEAD 3/8-16 X 1/2" STAINLESS
17	4	F03-625C5	4 NUT HEX 5/8-11 STAINLESS
18	1	PR-00000	1 FRAME ASM
19	1	PR-01167	1 BRACKET SUPPORT
20	4	PR-01079	4 LEG COVER ASSEMBLY

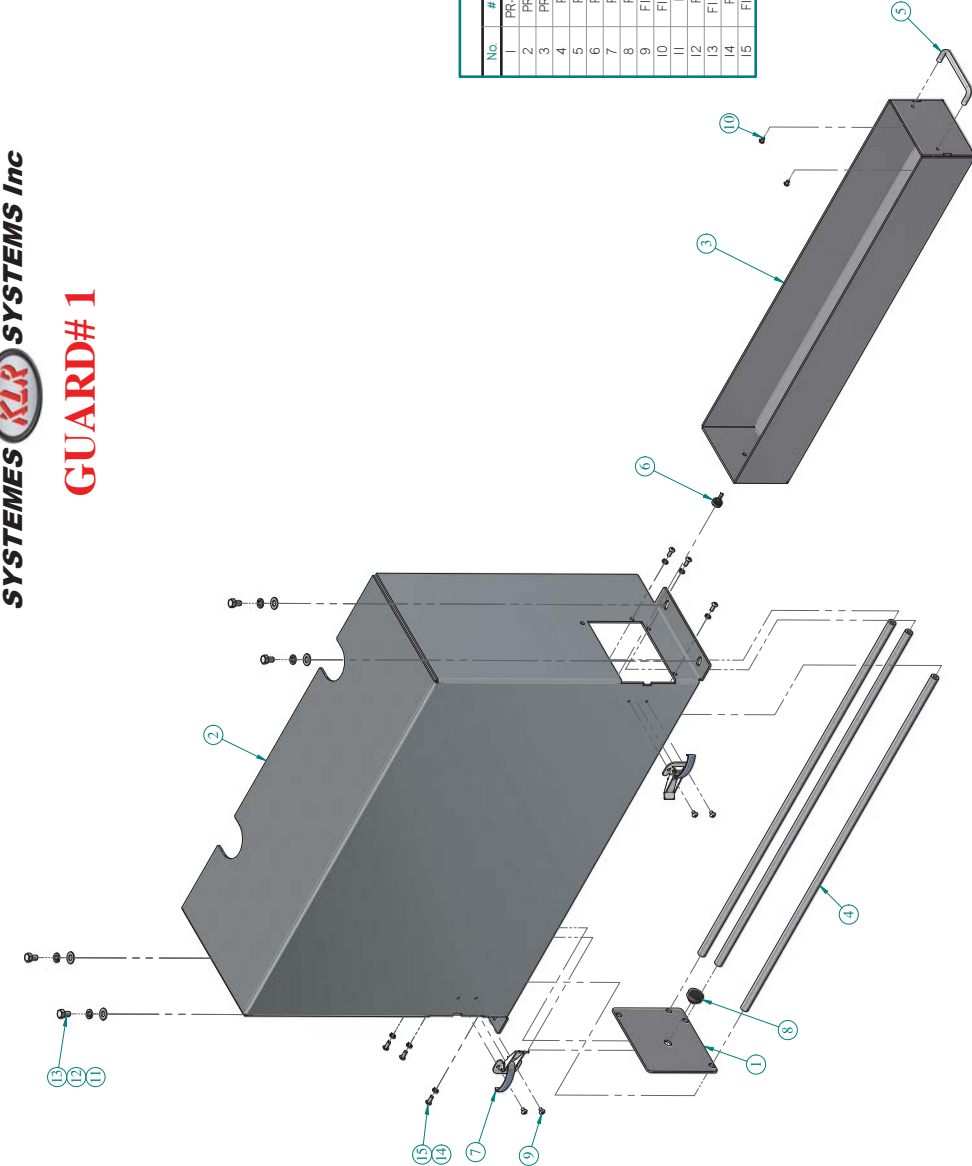
SYSTEMES **SYSTEMS Inc**
GUARDS



SYSTEMES

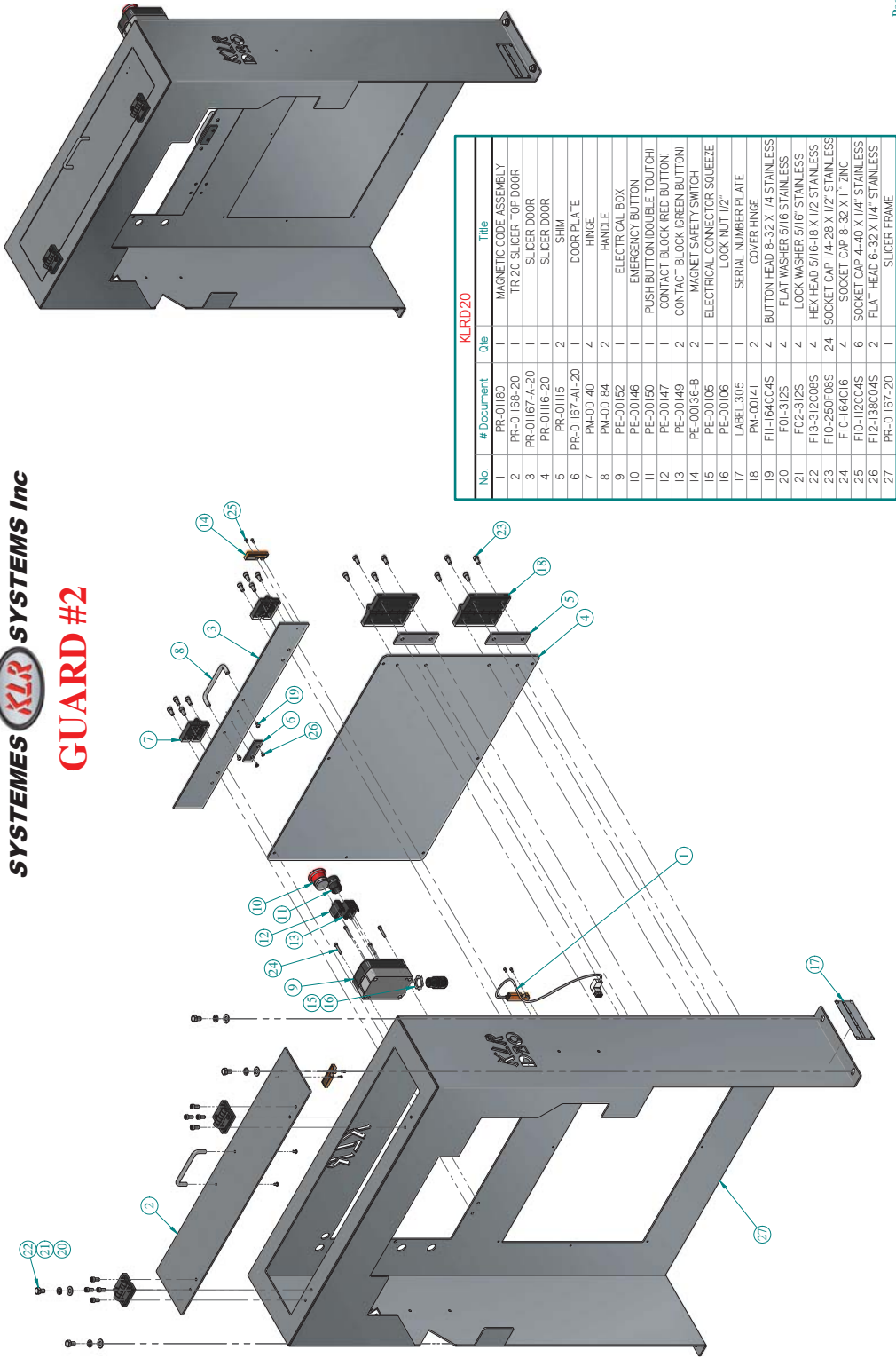
SYSTEMS Inc

GUARD# 1



KLRD20				
No	#	Document	Qty	Title
1	PR-01169-20-A		1	GUARD
2	PR-01169-20		1	ROLLER GUARD
3	PR-01170-20		1	DUST DRAWER
4	PR-01095		3	DRAWER SUPPORT ROD
5	PM-00184		1	HANDLE
6	PM-00180		1	RUBBER PLUG
7	PM-00158		2	CLAMP
8	PM-00182		1	END CAP
9	FI-190F04S		4	BUTTON HEAD 10-32 X 1/4" STAINLESS
10	FI-164C04S		2	BUTTON HEAD 8-32 X 1/4 STAINLESS
11	F01-312S		4	FLAT WASHER 5/16" STAINLESS
12	F02-312S		4	LOCK WASHER 5/16" STAINLESS
13	FI3-312C08S		4	HEX HEAD 5/16-18 X 1/2 STAINLESS
14	F02-260S		6	LOCK WASHER # 1/4 STAINLESS
15	FI-190F08S		6	BUTTON HEAD 10-32 X 1/2" STAINLESS

SYSTEMES *KLR* SYSTEMS Inc
GUARD #2

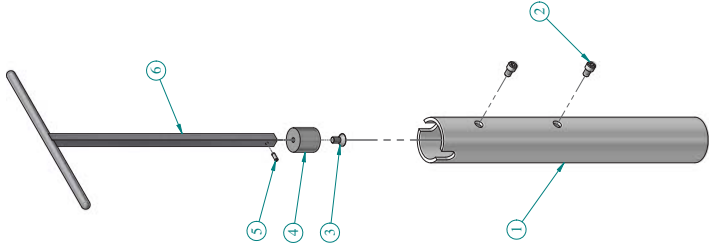
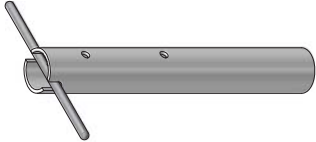


No	# Document	Qty	Title
1	PR-01180	1	MAGNETIC CODE ASSEMBLY
2	PR-01188-20	1	TR 20 SLICER TOP DOOR
3	PR-01167-A-20	1	SLICER DOOR
4	PR-01116-20	1	SLICER DOOR
5	PR-01115	2	SHM
6	PR-01167-A1-20	1	DOOR PLATE
7	PM-00140	4	HINGE
8	PM-00184	2	HANDLE
9	PE-00152	1	ELECTRICAL BOX
10	PE-00146	1	EMERGENCY BUTTON
11	PE-00150	1	PUSH BUTTON DOUBLE TOUCH
12	PE-00147	1	CONTACT BLOCK RED BUTTON
13	PE-00149	2	CONTACT BLOCK GREEN BUTTON
14	PE-00136-B	2	MAGNET SAFETY SWITCH
15	PE-00105	1	ELECTRICAL CONNECTOR SQUEEZE
16	PE-00106	1	LOCK NUT 1/2"
17	LABEL 305	1	SERIAL NUMBER PLATE
18	PM-00141	2	COVER HINGE
19	FIL164C04S	4	BUTTON HEAD 8-32 X 1/4" STAINLESS
20	F01-312S	4	FLAT WASHER 5/16" STAINLESS
21	F02-312S	4	LOCK WASHER 5/16" STAINLESS
22	F13-312C08S	4	HEX HEAD 5/16-18 X 1/2" STAINLESS
23	F10-250F08S	24	SOCKET CAP 1/4-28 X 1/2" STAINLESS
24	F10-164C16	4	SOCKET CAP 8-32 X 1" ZINC
25	F10-112C04S	6	SOCKET CAP 4-40 X 1/4" STAINLESS
26	F12-138C04S	2	FLAT HEAD 6-32 X 1/4" STAINLESS
27	PR-01167-20	1	SLICER FRAME

SYSTEMES

SYSTEMS Inc

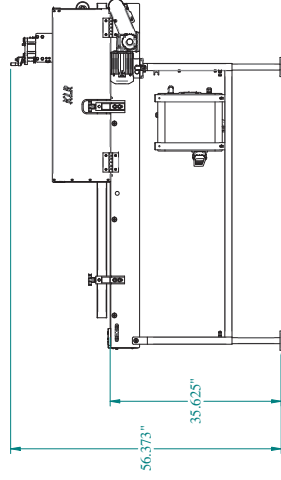
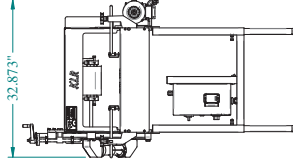
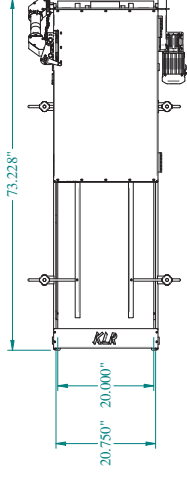
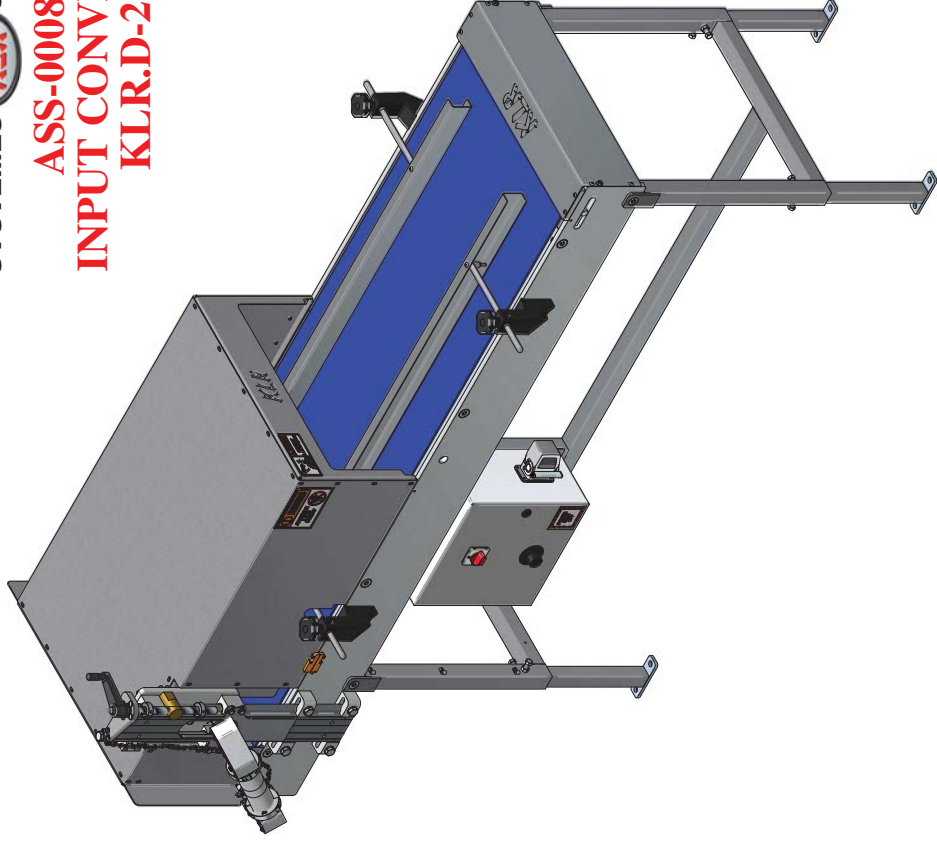
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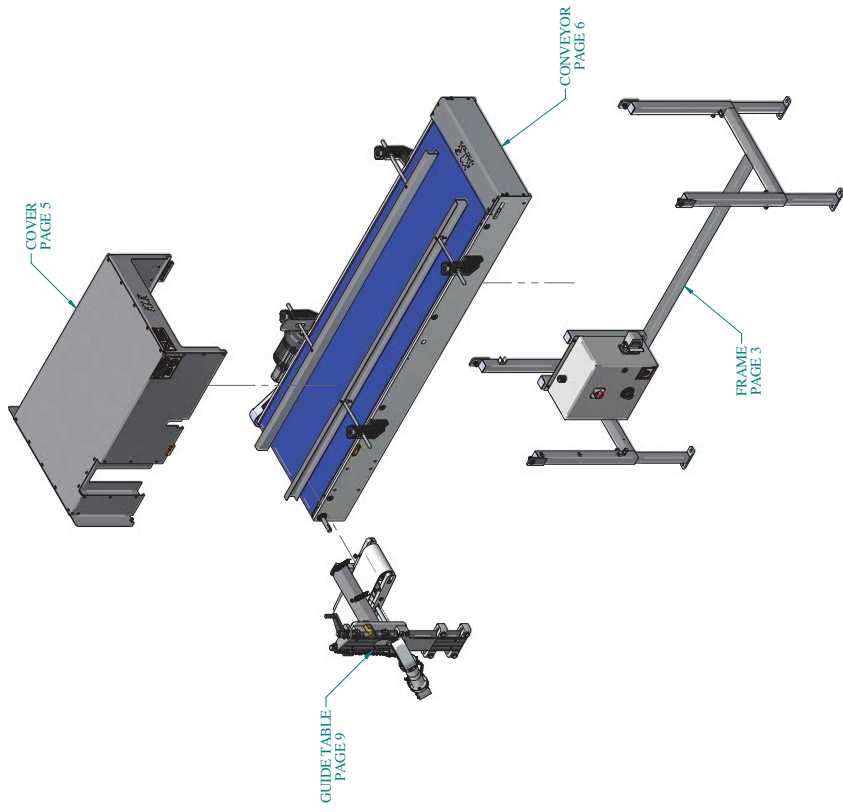


KLRD20				
No	#	Document	Qty	Title
1		PR-01176	1	SUPPORT DE CLEF
2		F10-250C06S	2	SOCKET CAP 1/4"-20 X 3/8" STAINLESS
3		F12-250C08S	1	FLAT HEAD 1/4"-20 X 1/2" STAINLESS
4		PM-02068	1	RACLET SOCKET 1"-3/4"
5		PM-01004	1	SPRING PIN 1/8" X 3/8"
6		PR-02068	1	SLICER KEY

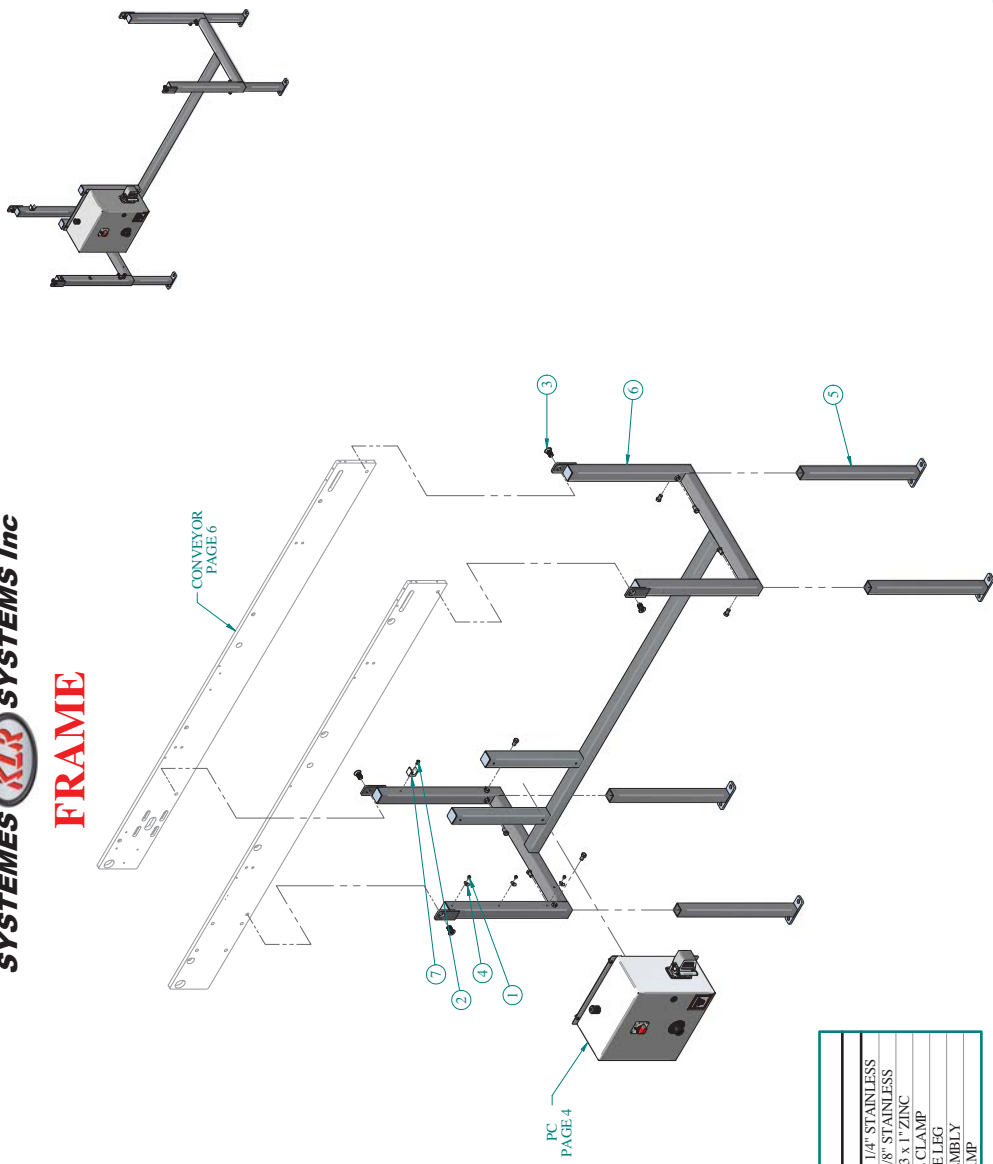
SYSTEMES **KLR** **SYSTEMS Inc**

ASS-00084
INPUT CONVEYOR
KLR.D-20





SYSTEMES **KLR** **SYSTEMS Inc**
FRAME



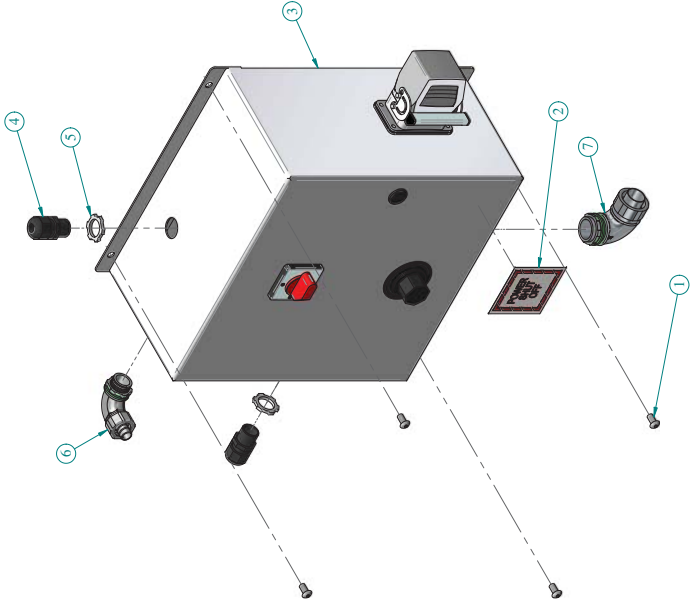
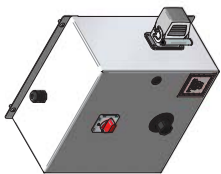
ASS-00084			
No.	# Document	Qty	Title
1	F11-190F08S	5	BUTTON HEAD 10-32 X 1/4" STAINLESS
2	F12-190F08S	1	FLAT HEAD 10-32 X 3/8" STAINLESS
3	F12-500C16S	4	FLAT HEAD 1/2-13 X 1" ZINC
4	PE-01002	5	NYLON CABLE CLAMP
5	PR-01066	4	ADJUSTABLE LEG
6	PR-04650	1	FRAME ASSEMBLY
7	PR-04718-S	1	HOSE CLAMP

SYSTEMES

XLR

SYSTEMS Inc

PC

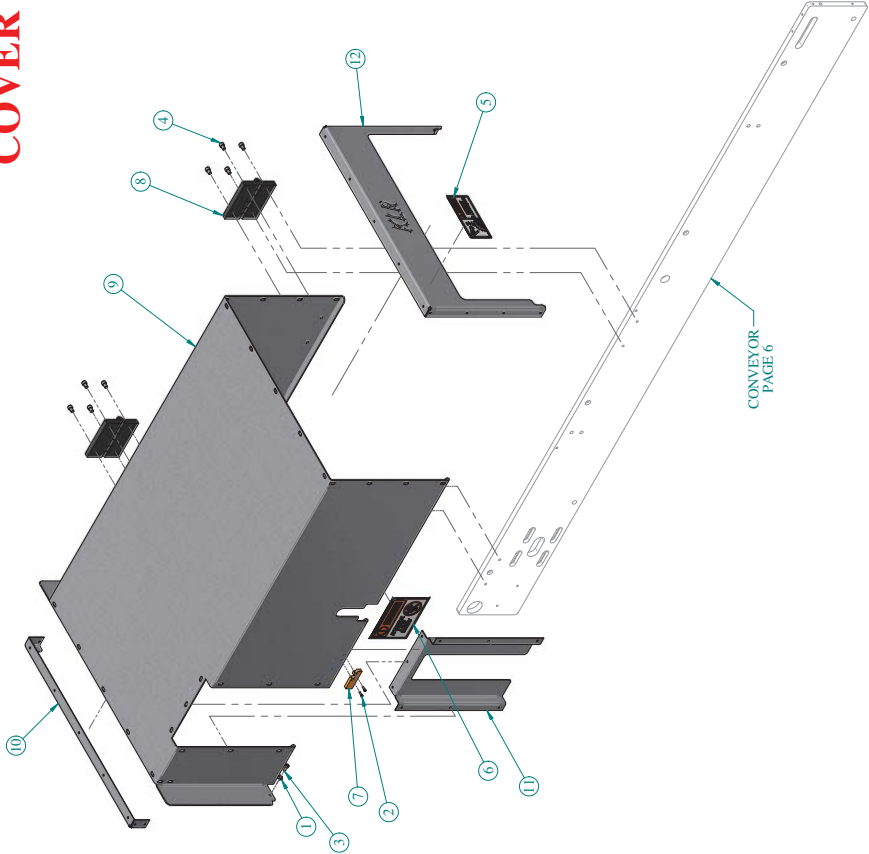


ASS-00084			
No.	#	Document	Title
1	1	F11-250C08S	1/4-20 X 1/2" STAINLESS
2	1	LABEL 230	LABEL
3	1	PC-00100	ELECTRICAL BOX
4	2	PE-00105	SERRE FILS
5	2	PE-00106	LOCK NUT 1/2"
6	1	PE-00110-A	CONNECTOR 90 DEGREES 3/8"
7	1	PE-00111-A	CONNECTOR 3/4" 90 DEGREES

SYSTEMES

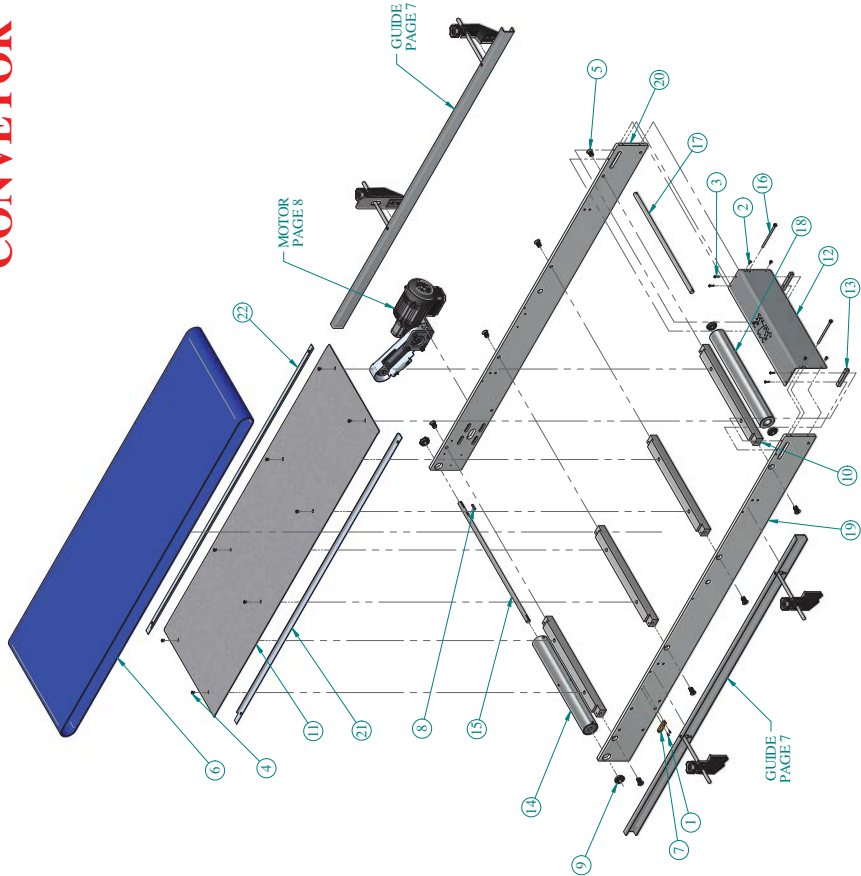
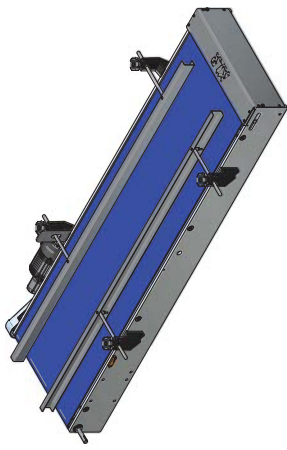
SYSTEMS Inc

COVER



ASS-00084			
No.	#	Document	Qty
1	1	FIG 100FS	1
2	2	F10-112C06S	2
3	1	F10-190C06S	1
4	8	F10-250C06S	8
5	1	LABEL_242	1
6	1	LABEL_256	1
7	1	PE-00136-B	1
8	2	PM-00141	2
9	1	PR-01085-20-A	1
10	1	PR-01085-20-B	1
11	1	PR-01085-20-C	1
12	1	PR-01085-20-D	1
Title			
NUT HEX 10-32 STAINLESS			
SOCKET CAP 4-40 X 3/8" STAINLESS			
SOCKET CAP 10-32 X 1/2" STAINLESS			
SOCKET CAP 1/4-20 X 3/8" STAINLESS			
LABEL			
MAGNET SAFETY SWITCH			
COVER HINGE			
SECURITY GUARD			
SECURITY GUARD			
SECURITY GUARD			

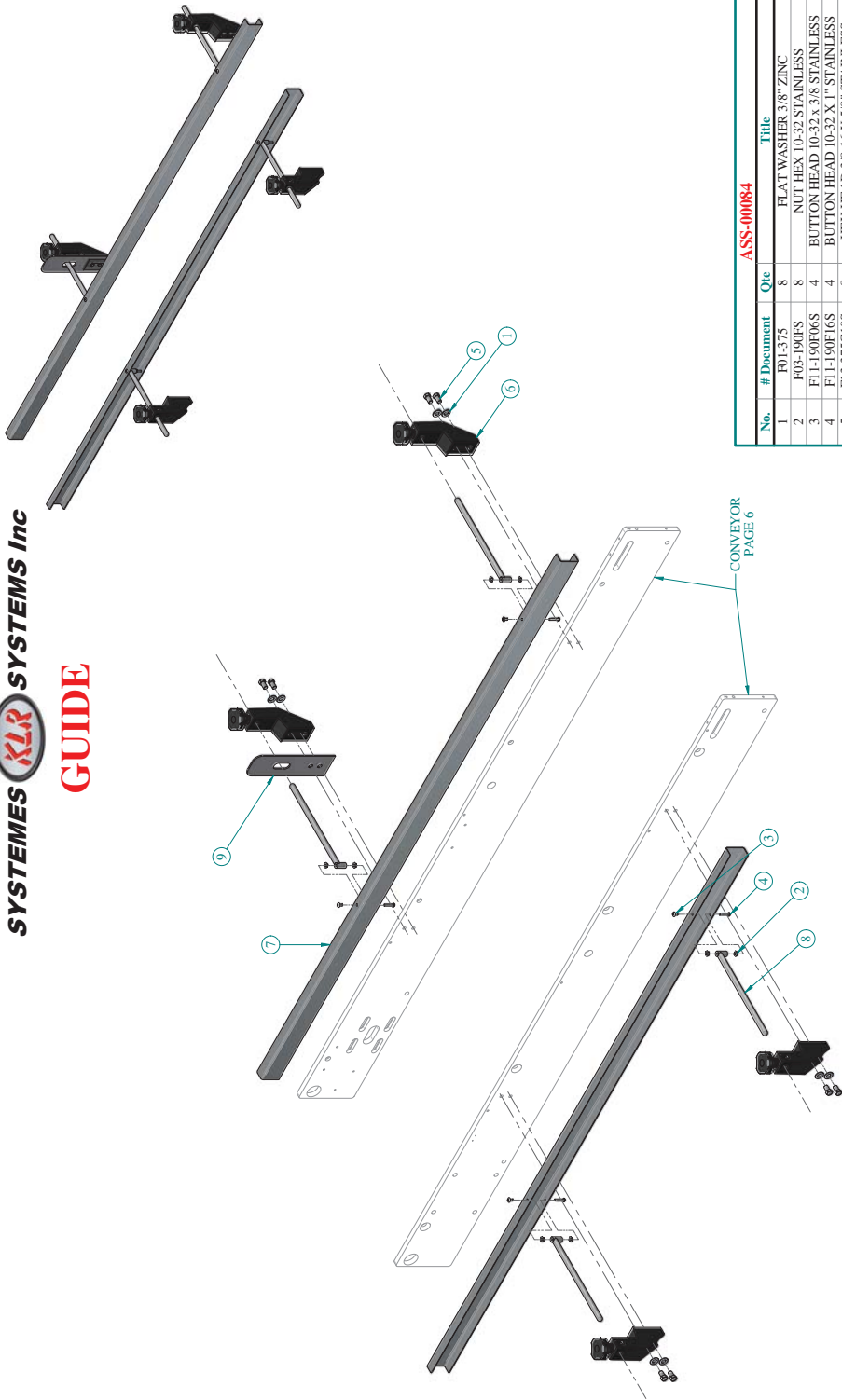
SYSTEMES **KLR** **SYSTEMS Inc**
CONVEYOR



ASS-00084

No.	#	Document	Qty	Title
1	F10-112C06S	2	SOCKET CAP 4-40 X 3/8" STAINLESS	
2	F11-190R06S	10	BUTTON HEAD 10-32 X 3/8" STAINLESS	
3	F11-190R12S	4	BUTTON HEAD 10-32 X 3/4" STAINLESS	
4	F12-190R06S	8	FLAT HEAD 10-32 X 3/8" STAINLESS	
5	F12-500C16S	7	FLAT HEAD 1/2-13 x 1" ZINC	
6	PB-00100	1	BELT	
7	PE-00136-A	1	MAGNET SAFETY SWITCH	
8	PM-01416	2	MACHINE KEY 3/16"	
9	PM-02133	4	BEARING	
10	PR-01009	4	CROSS SECTION	
11	PR-01046	1	BOTTOM PLATE	
12	PR-01178	1	GUARD	
13	PR-01179	2	SHIM INFEED COVER	
14	PR-03440	1	DRIVE DRUM	
15	PR-03440-D	1	DRIVE SHAFT	
16	PR-03643	2	CLAMPING SCREW	
17	PR-04601	1	IDLER ROLLER SHAFT	
18	PR-04602	1	IDLER ROLLER	
19	PR-04657-L	1	LEFT SIDE	
20	PR-04657-R	1	RIGHT SIDE	
21	PR-08283-L	1	GUARD	
22	PR-08283-R	1	GUARD	

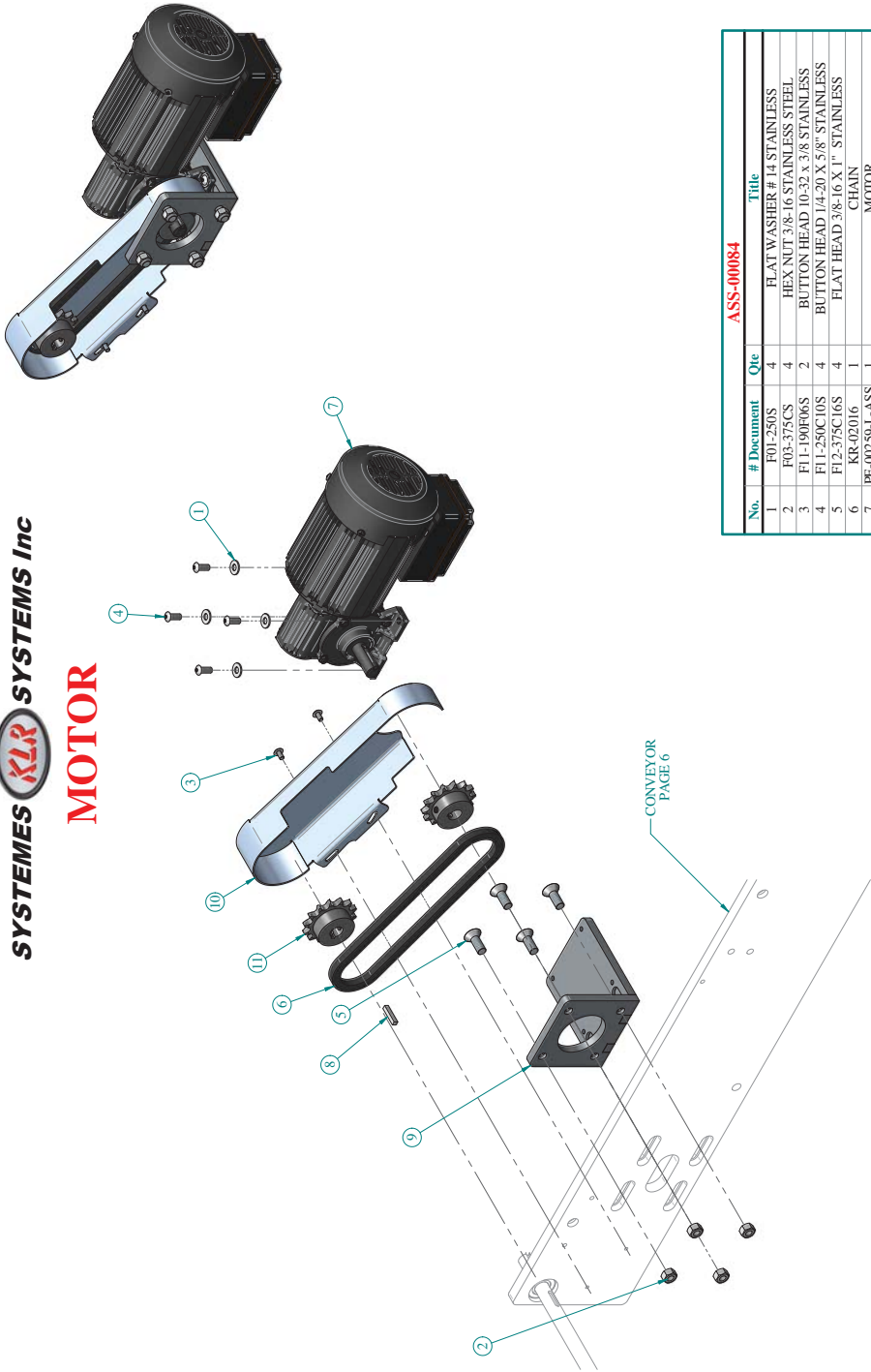
SYSTEMES SYSTEMS Inc
GUIDE



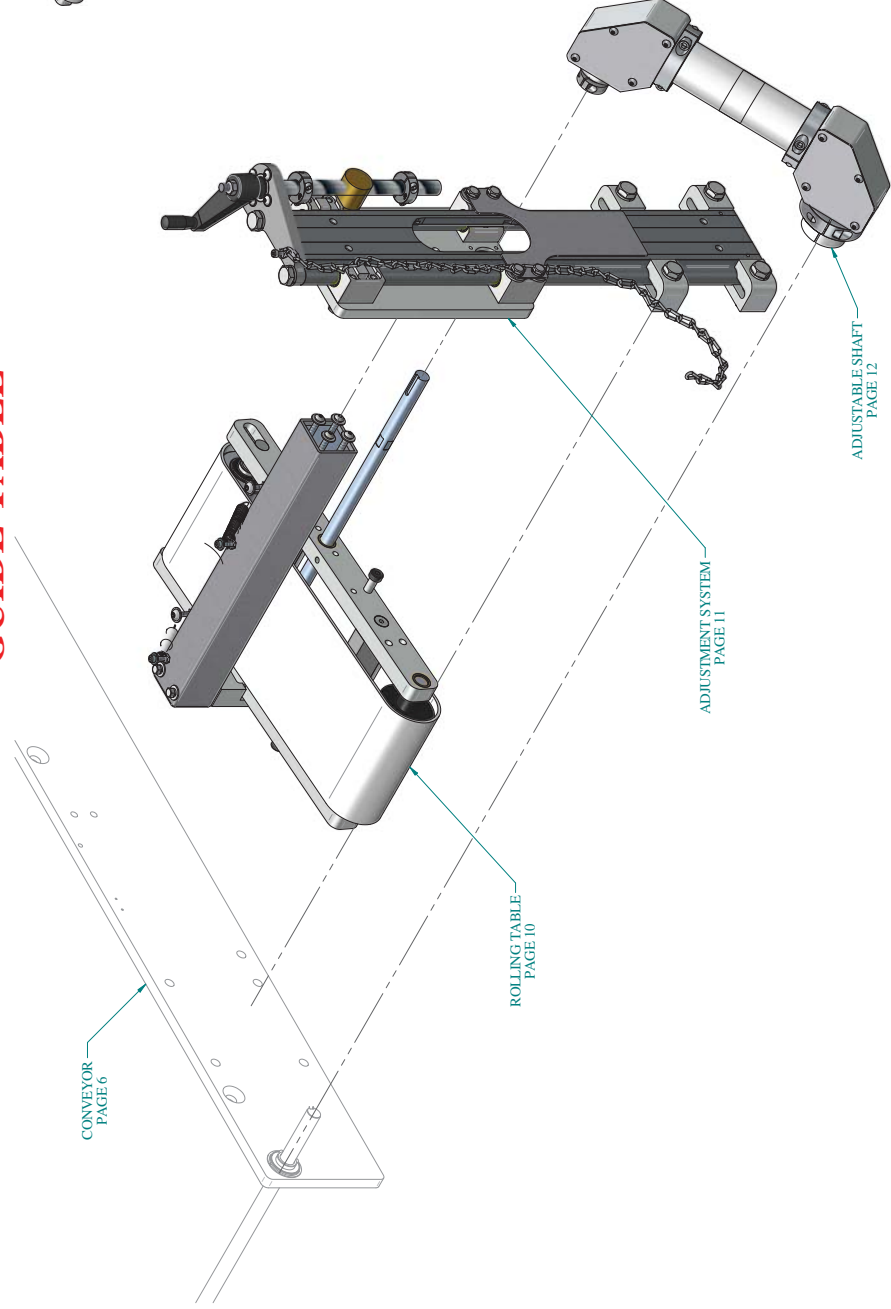
ASS-00084			
No.	#	Document	Qty
1		F01-375	8
2		F03-190FS	8
3		F11-190F06S	4
4		F11-190F16S	4
5		F13-375C10S	8
6		PM-00143	4
7		PR-04845	2
8		PR-04846	4
9		PR-06135	1
			Title
			FLAT WASHER 3/8" ZINC
			NUT HEX 10-32 STAINLESS
			BUTTON HEAD 10-32 X 3/8 STAINLESS
			BUTTON HEAD 10-32 X 1" STAINLESS
			HEX HEAD 3/8-16 X 5/8" STAINLESS
			GUIDE LATERAL 1/2"
			ADJUSTABLE GUIDE
			HOLDER GUIDE
			SECURITY GUARD

SYSTEMES
KLR
SYSTEMS Inc

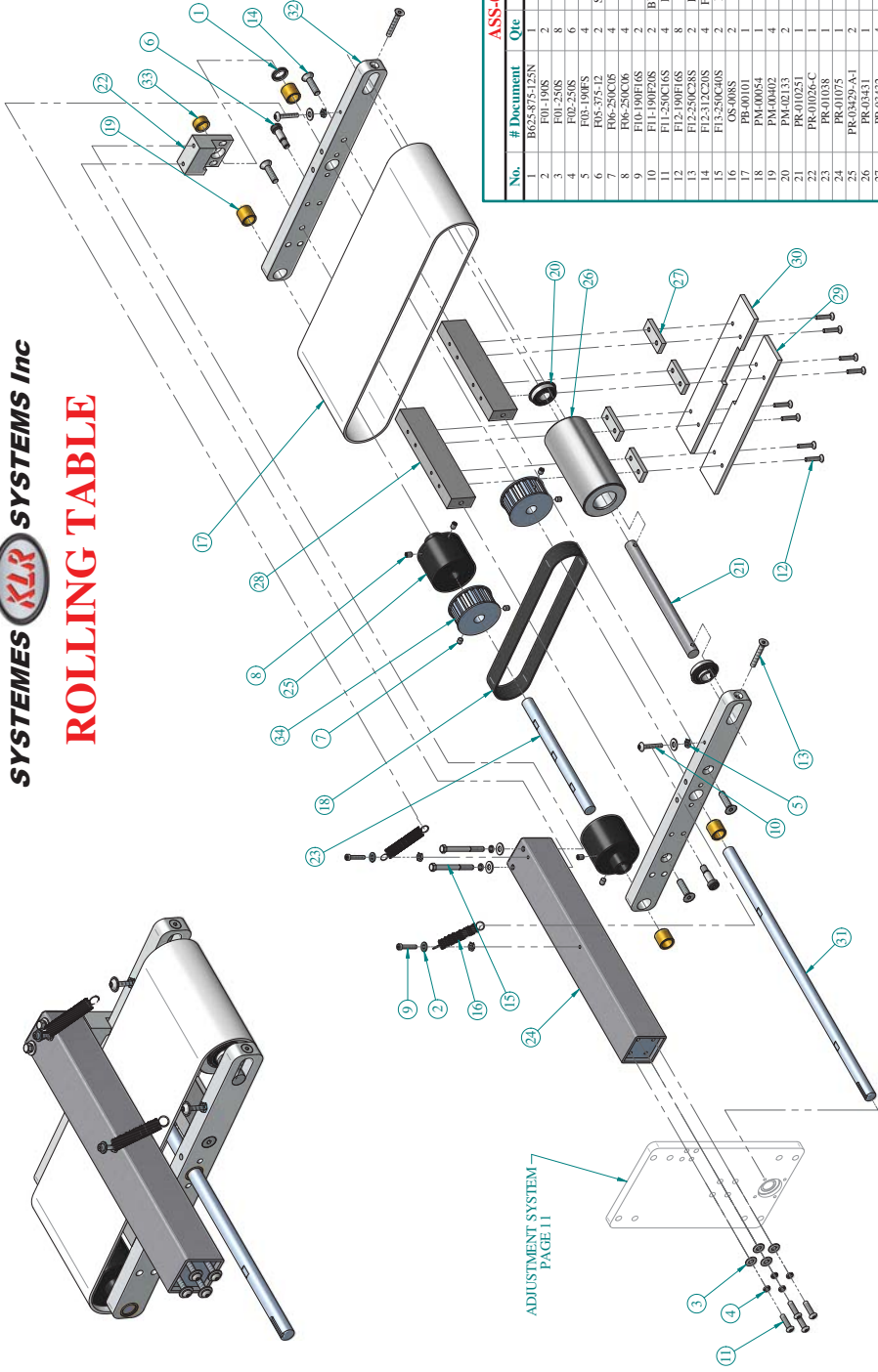
MOTOR



ASS-00084			Title	
No.	#	Document	Qty	
1	F01-250S		4	FLAT WASHER # 14 STAINLESS
2	F03-375CS		4	HEX NUT 3/8-16 STAINLESS STEEL
3	F11-190F06S		2	BUTTON HEAD 10-32 x 3/8 STAINLESS
4	F11-250C10S		4	BUTTON HEAD 1/4-20 X 5/8" STAINLESS
5	F12-375C16S		4	FLAT HEAD 3/8-16 X 1" STAINLESS
6	KR-402016		1	CHAIN
7	PE-00259-L-ASS		1	MOTOR
8	PM-01416		1	MACHINE KEY 3/16"
9	PR-01376		1	MOTOR SUPPORT BRACKET
10	PR-03486		1	CHAIN COVER
11	SSB40-14KK		2	SPROCKET 14 TEETH

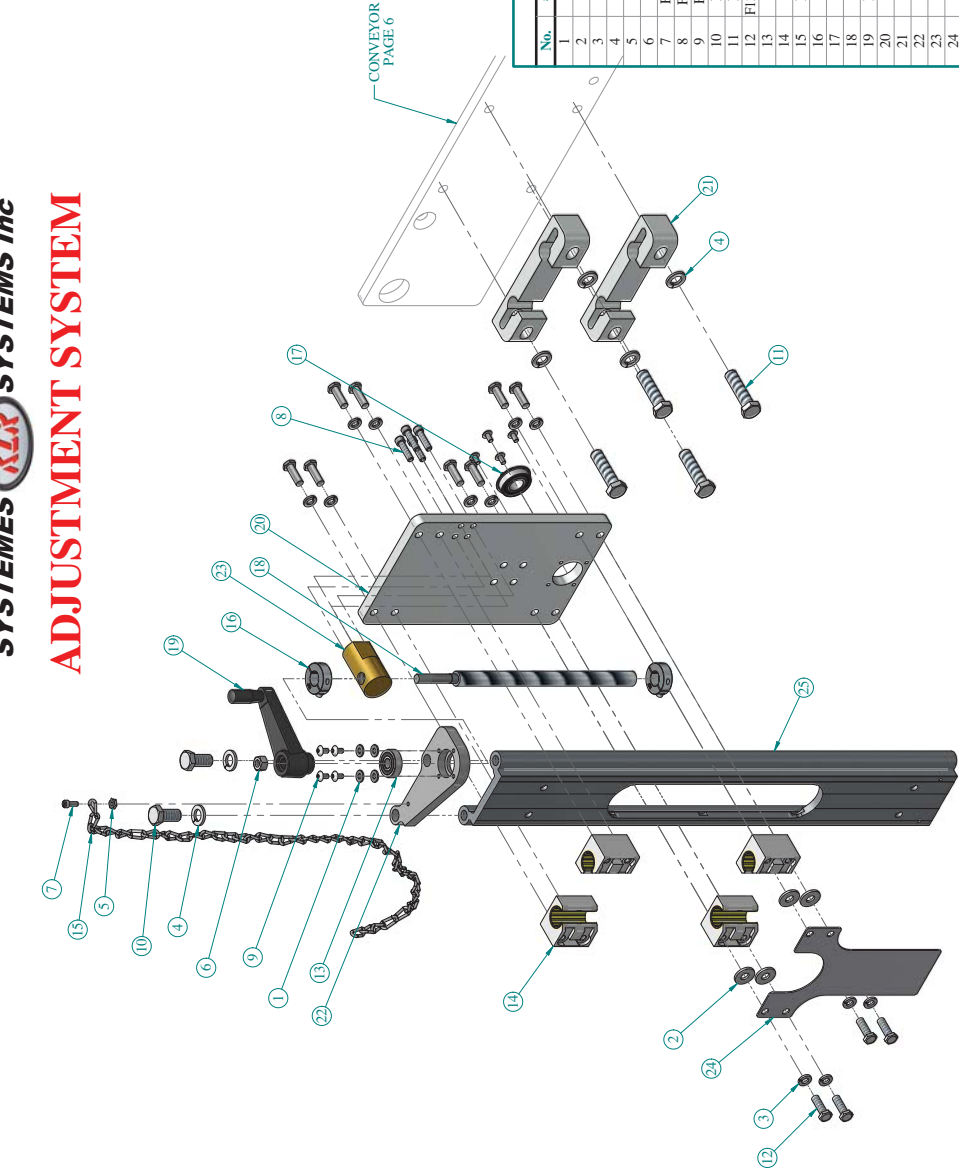


SYSTEMES *KLR* SYSTEMS Inc
ROLLING TABLE



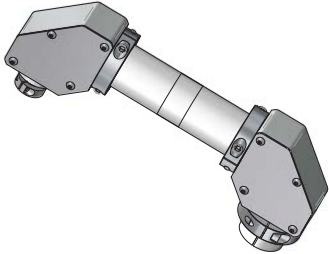
ASS-000084			Title	
No.	#	Document	Qte	
1	BG25	875-125N	1	BUSHING NYLATRON
2	F01-1906		2	FLAT WASHER #10 STAINLESS
3	F01-2506		8	FLAT WASHER #14 STAINLESS
4	F02-2506		6	LOCK WASHER #14 STAINLESS
5	F03-190F5		4	NU THEX 10-32 STAINLESS
6	F03-190F5		4	NU THEX 10-32 STAINLESS
7	F06-250C06		2	SHOULDER BOLT 1/4-20 X 5/16 18
8	F06-250C06		4	SET SCREW 1/4-20 X 3/8" ZINC
9	F10-190FI05		2	SOCKET CAP 10-32 X 1" STAINLESS
10	F11-190F205		2	BUTTON HEAD 10-32 X 1 1/4" STAINLESS
11	F11-250CI05		4	FLAT HEAD 10-32 X 1" STAINLESS
12	F12-190FI05		8	FLAT HEAD 10-32 X 1" STAINLESS
13	F12-312C05		2	FLAT HEAD 5/16 X 1 1/4" STAINLESS
14	F12-312C05		4	FLAT HEAD 5/16 X 1 1/4" STAINLESS
15	F13-250C05		2	HEX HEAD 1/4-20 X 2 1/2" STAINLESS
16	OS-0085		2	TENSION SPRING
17	PR-0101		1	BELT
18	PM-0054		1	TIMING BELT
19	PM-0002		4	OLITE BUSHING 3/4 LONG
20	PM-0051		2	DRUM SHAFT
21	PR-01026-C		1	PIVOT STOPPER
22	PR-01038		1	FEED ROLLER SHAFT
23	PR-01075		1	INFEED ARM
24	PR-0429-A-1		2	DRIVE ROLLER
25	PR-03431		1	DRUM
26	PR-03432		4	CROSSMEMBER
27	PR-03435		2	CROSSMEMBER
28	PR-03436-L		1	BELT SLIDING PLATE
29	PR-03436-R		1	BELT SLIDING PLATE
30	PR-03474-A		1	DRIVE SHAFT
31	PR-03488		2	CONV SIDE FRAME
32	PR-03600		1	OLITE BUSHING
33	PR-03600		1	OLITE BUSHING
34	PR-04860		2	TIMING PULLEY 20 TH

SYSTEMES *KLR* SYSTEMS Inc
ADJUSTMENT SYSTEM



ASS-00084

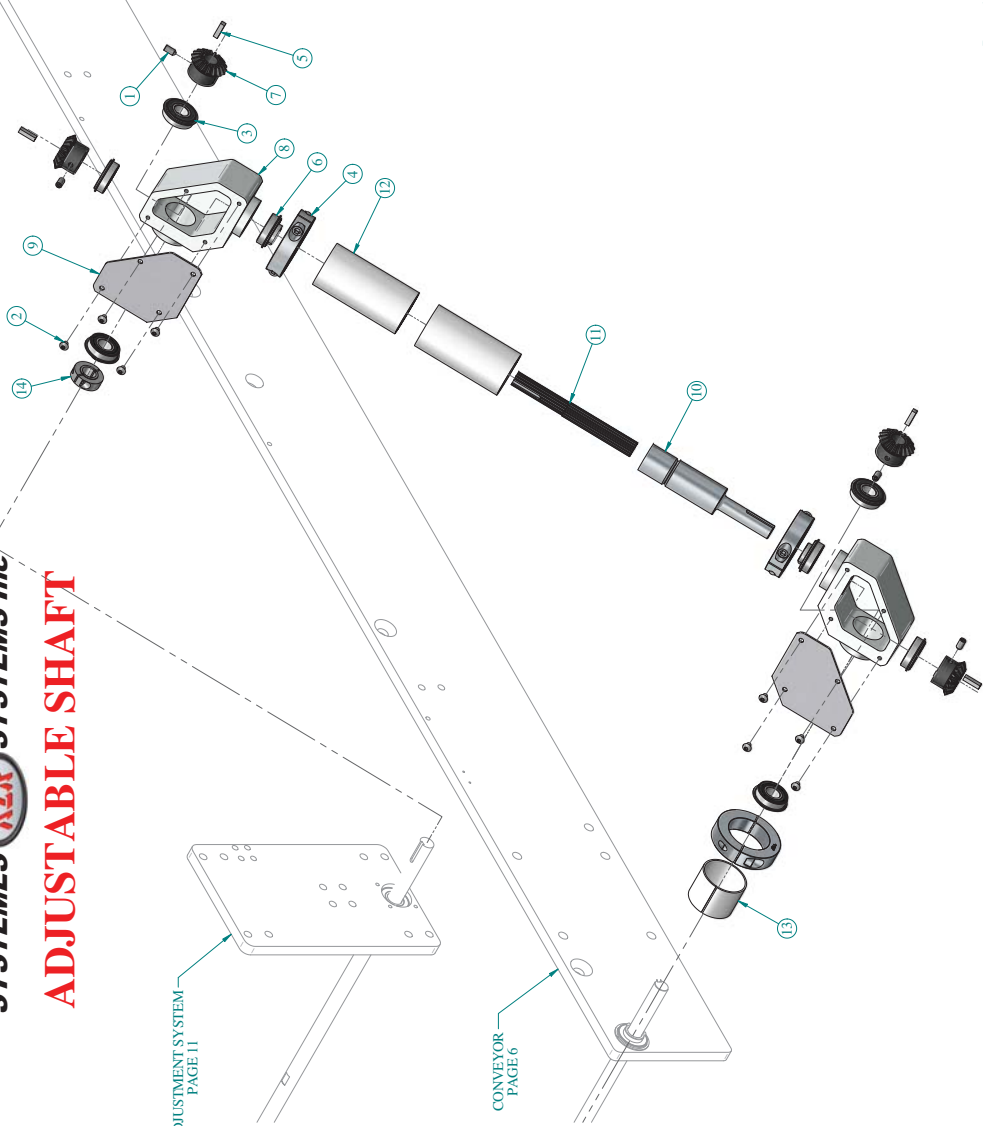
No.	#	Document	Qty	Title
1	F01-190S	4	FLAT WASHER #10 STAINLESS	
2	F01-312	4	FLAT WASHER 5/16" ZINC	
3	F02-312S	12	LOCK WASHER 5/16" STAINLESS	
4	F02-500	6	LOCK WASHER 1/2" ZINC	
5	F03-190FS	1	NUT HEX 10-32 STAINLESS	
6	F03-375CS	1	HEX NUT 3/8-16 STAINLESS STEEL	
7	F10-190F08S	1	SOCKET CAP 10-32 X 1/2" STAINLESS	
8	F10-250C16S	4	SOCKET CAP 1/4-20 X 1" STAINLESS	
9	F11-190F06S	8	BUTTON HEAD 10-32 X 3/8 STAINLESS	
10	F13-500C16	2	HEX HEAD 1/2-13 X 1" ZINC	
11	F13-500C32	4	HEX HEAD 1/2-13 X 2" ZINC	
12	F13-M8-1.25X25S	12	HEX HEAD M8-1.25 X 25 STAINLESS	
13	PM4-00106	1	BEARING	
14	PM4-00198	4	RAIL SUPPORT	
15	PM4-00223-1	1	CHAIN	
16	PM4-00261	2	SPLIT COLLAR 5/8"	
17	PM4-02133	1	BEARING	
18	PR-01065	1	SCREW	
19	PR-01065-A	1	CRANK HANDLE	
20	PR-01097	1	RAIL SUPPORT	
21	PR-03442	2	RAIL SUPPORT	
22	PR-03449	1	SUPPORT PLATE	
23	PR-03450	1	ROD ALIGNMENT GUIDE	
24	PR-04869	1	SECURITY GUARD	
25	PR-08880	1	IGUS RAIL	



SYSTEMES *KLR* SYSTEMS Inc
ADJUSTABLE SHAFT

ADJUSTMENT SYSTEM
PAGE 11

CONVEYOR
PAGE 6

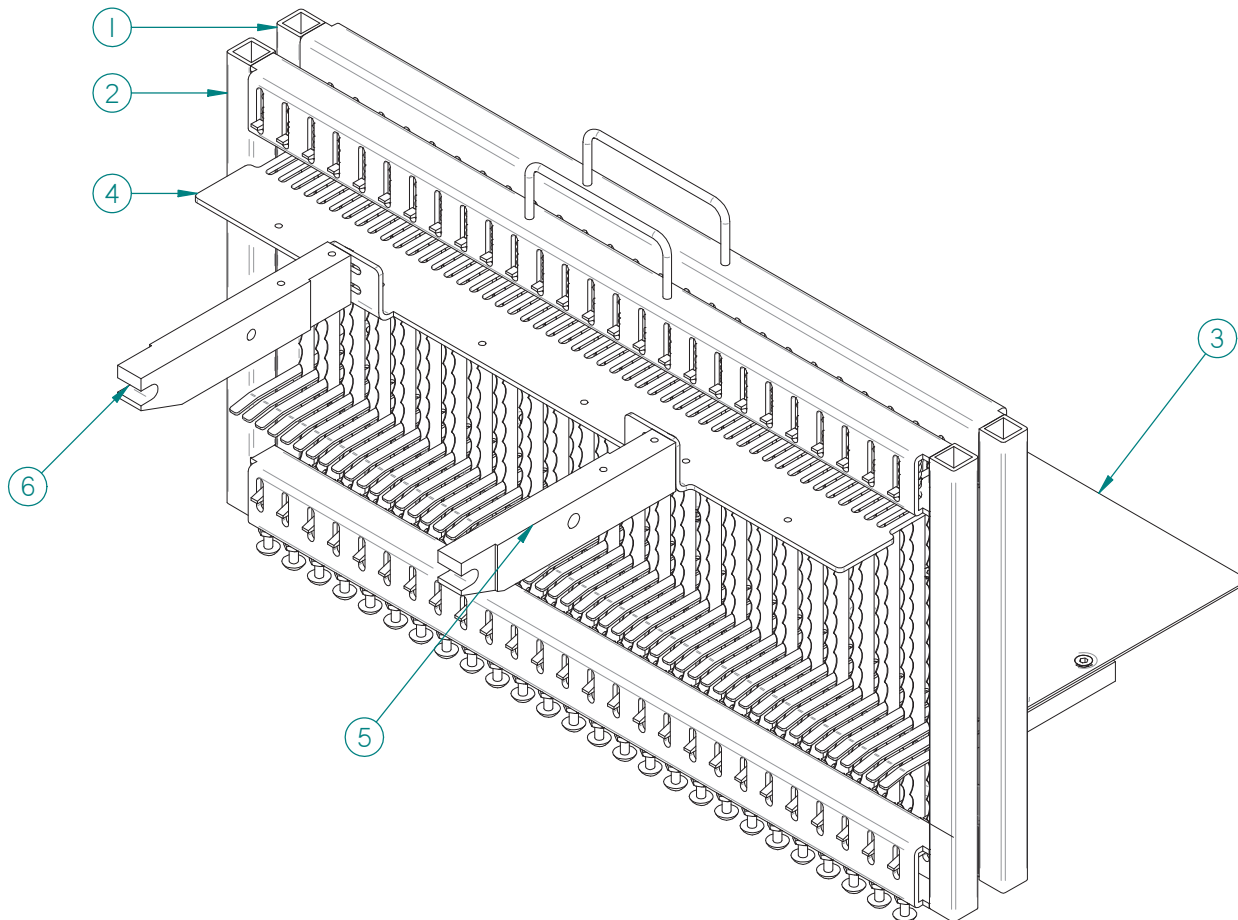


ASS-00084				
No.	#	Document	Qty	Title
1		F06-250C08	4	SET SCREW 1/4-20 X 1/2" ZINC
2		F11-190F04S	8	BUTTON HEAD 10-32 X 1/4" STAINLESS BEARING
3		P02-00133	4	DOUBLE SPLIT COLLAR 1 7/8"
4		PM-00249	3	MACHINE KEY
5		PM-01413	4	BEARING
6		PM-02133	5	METAL MITER GEAR
7		PM-04000	4	GEARBOX
8		PR-03427	2	COVER PLATE
9		PR-03428	2	SHAFT ASSEMBLY
10		PR-03479	1	LOWER SHAFT
11		pr-03480	1	GUARD
12		PR-03644	2	GUARD
13		PR-03644-1	1	GUARD
14		PM-00261	1	DOUBLE SPLIT COLLAR 5/8"

#14 Note: Dans la version originale = PR-03646 avec épaulement mais on n'en a pas besoin.

3/8"

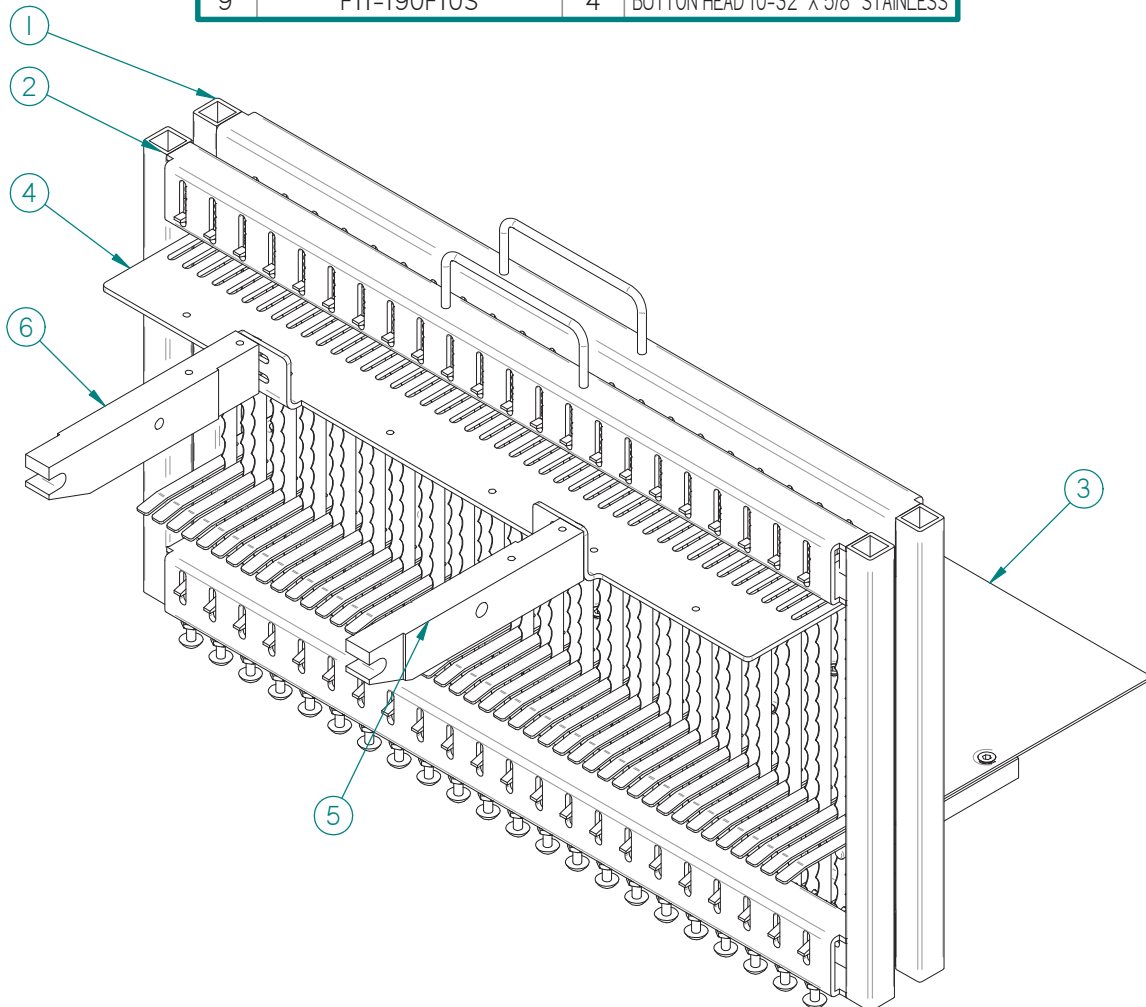
KR-01071G			
No.	Part number	Qty	Title
1	ASS-00140	1	FRAME 3/8 ASSEMBLY
2	ASS-00141	1	FRAME 3/8 ASSEMBLY
3	PR-01073-G	1	FRAME BLADE SLICER 3/8" ASSEMBLY
4	PR-01140-06-1	1	UPPER COMB 3/8"
5	PR-010591	1	COMB HOLDER
6	PR-010601	1	COMB HOLDER
7*	F01-190S	4	FLAT WASHER #10 STAINLESS
8*	F02-190S	4	LOCK WASHER #10 STAINLESS
9*	F11-190F10S	4	BUTTON HEAD 10-32 X 5/8" STAINLESS



SOLID EDGE HOME USE

7/16"

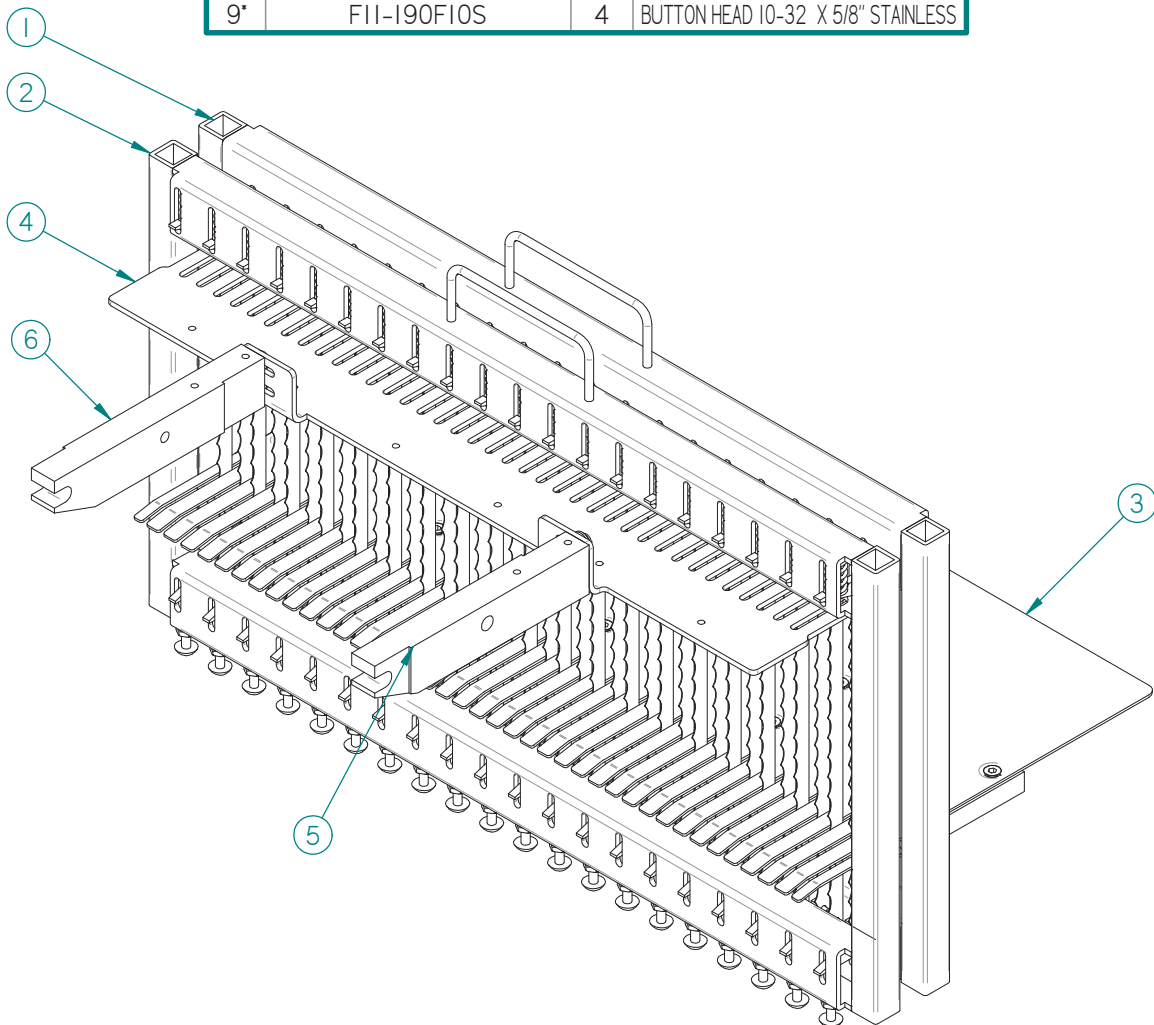
KR-01071H			
No.	Part number	Qty	Title
1	ASS-00142	1	FRAME 7/16" ASSEMBLY
2	ASS-00143	1	FRAME 7/16" ASSEMBLY
3	PR-01073-H	1	FRAME BLADE FLICER 7/16" ASSEMBLY
4	PR-01140-07-1	1	UPPER COMB 7/16"
5	PR-010591	1	COMB HOLDER
6	PR-010601	1	COMB HOLDER
7*	F01-190S	4	FLAT WASHER #10 STAINLESS
8*	F02-190S	4	LOCK WASHER #10 STAINLESS
9*	F11-190F10S	4	BUTTON HEAD 10-32 X 5/8" STAINLESS



SOLID EDGE HOME USE

1/2"

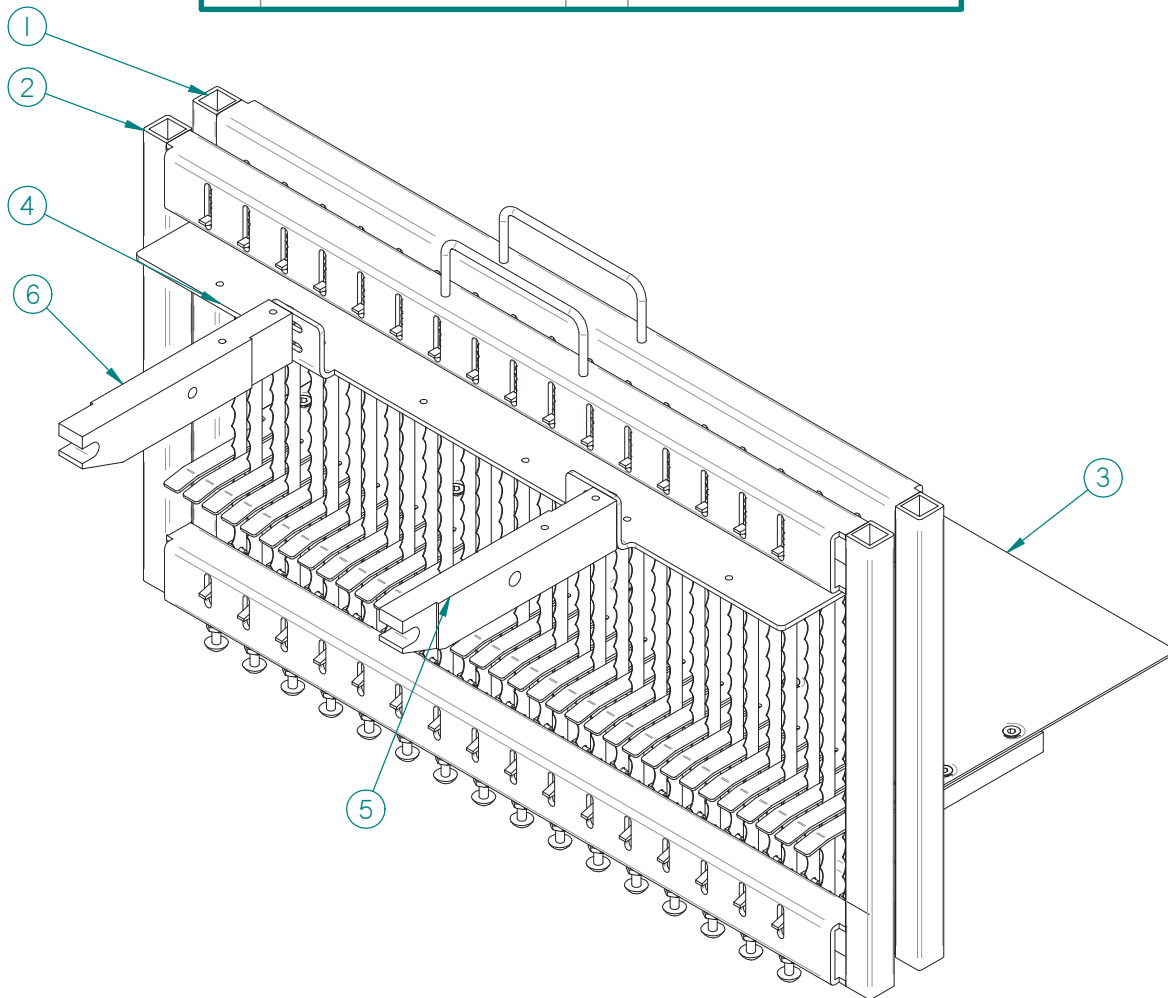
KR-01071i			
No.	Part number	Qty	Title
1	ASS-00144	1	FRAME 1/2" ASSEMBLY
2	ASS-00145	1	FRAME 1/2" ASSEMBLY
3	PR-01073-i	1	FRAME BLADE SLICER 1/2" ASSEMBLY
4	PR-01140-08-1	1	UPPER COMB 1/2"
5	PR-010591	1	COMB HOLDER
6	PR-010601	1	COMB HOLDER
7*	F01-190S	4	FLAT WASHER #10 STAINLESS
8*	F02-190S	4	LOCK WASHER #10 STAINLESS
9*	F11-190F10S	4	BUTTON HEAD 10-32 X 5/8" STAINLESS



SOLID EDGE HOME USE

9/16"

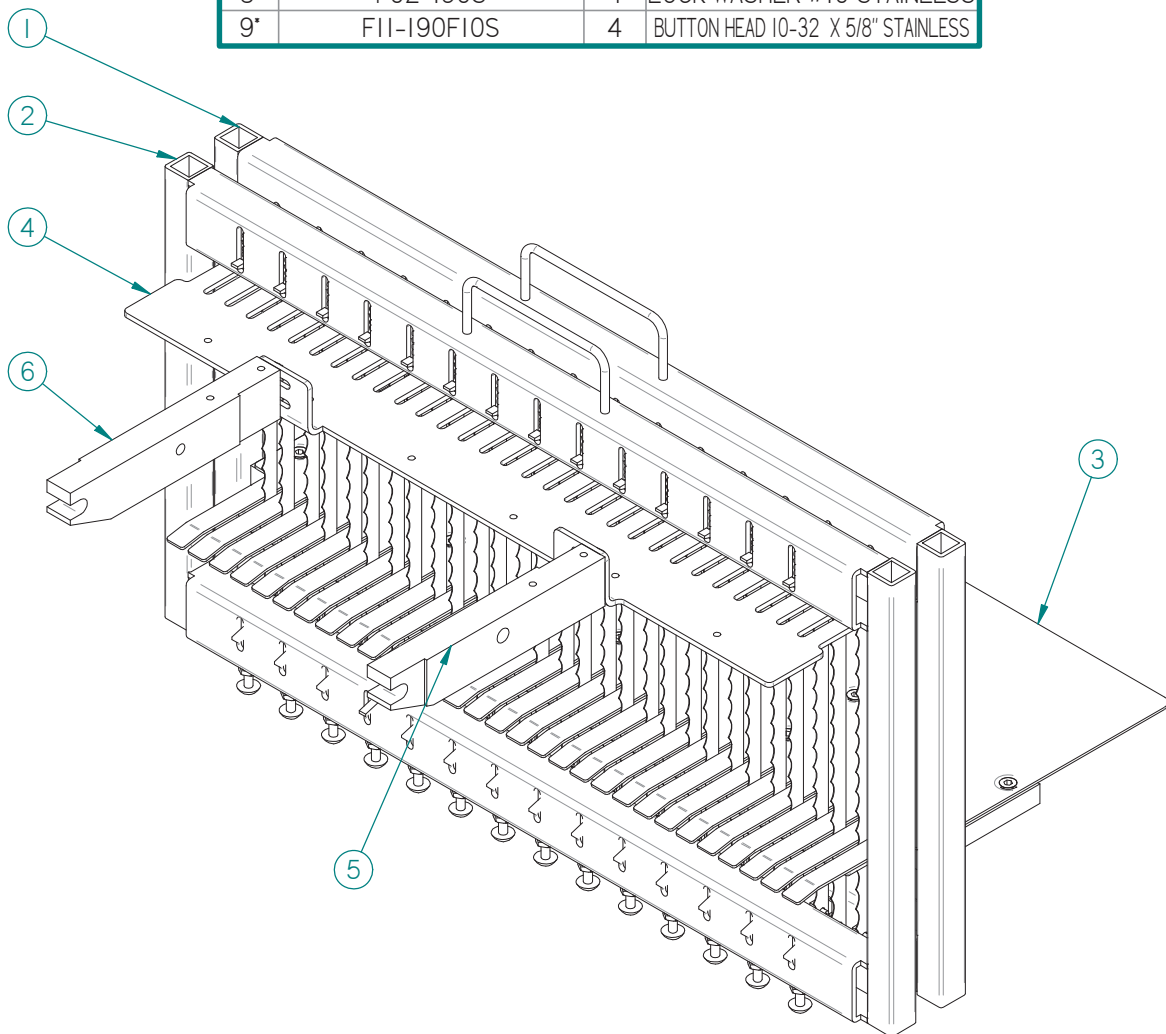
KR-01071J			
No.	Part number	Qty	Title
1	ASS-00146	1	FRAME 9/16" ASSEMBLY
2	ASS-00147	1	FRAME 9/16" ASSEMBLY
3	PR-01073-J	1	
4	PR-01140-09-1	1	UPPER COMB 9/16"
5	PR-01059I	1	COMB HOLDER
6	PR-01060I	1	COMB HOLDER
7*	F01-190S	4	FLAT WASHER #10 STAINLESS
8*	F02-190S	4	LOCK WASHER #10 STAINLESS
9*	F11-190F10S	4	BUTTON HEAD 10-32 X 5/8" STAINLESS



SOLID EDGE HOME USE

5/8"

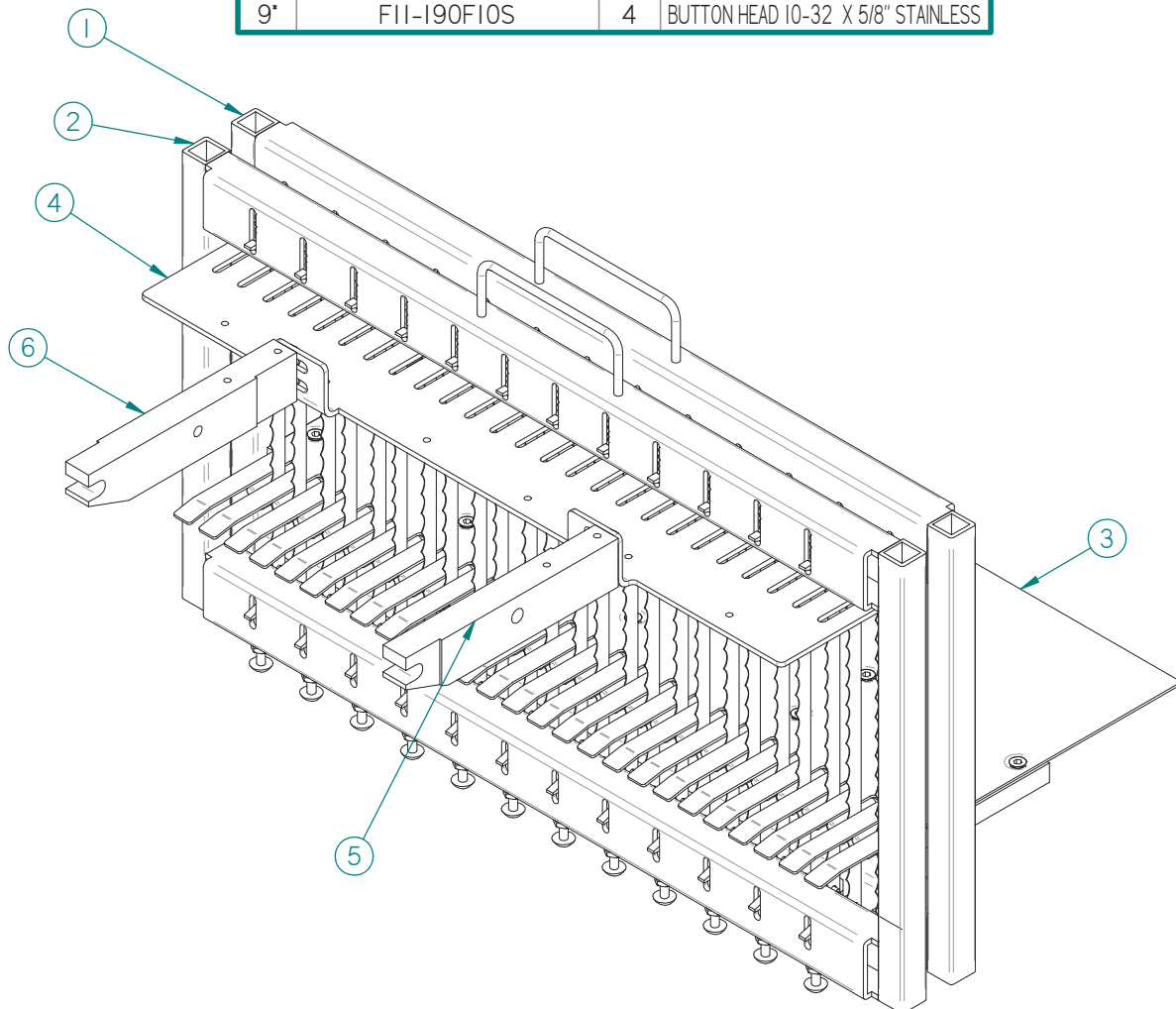
KR-01071K			
No.	Part number	Qty	Title
1	ASS-00148	1	FRAME 5/8" ASSEMBLY
2	ASS-00149	1	FRAME 5/8" ASSEMBLY
3	PR-01073-K	1	FRAME BLADE SLICER 5/8" ASSEMBLY
4	PR-01140-10-1	1	UPPER COMB 5/8"
5	PR-010591	1	COMB HOLDER
6	PR-010601	1	COMB HOLDER
7*	F01-190S	4	FLAT WASHER #10 STAINLESS
8*	F02-190S	4	LOCK WASHER #10 STAINLESS
9*	F11-190F10S	4	BUTTON HEAD 10-32 X 5/8" STAINLESS



SOLID EDGE HOME USE

3/4"

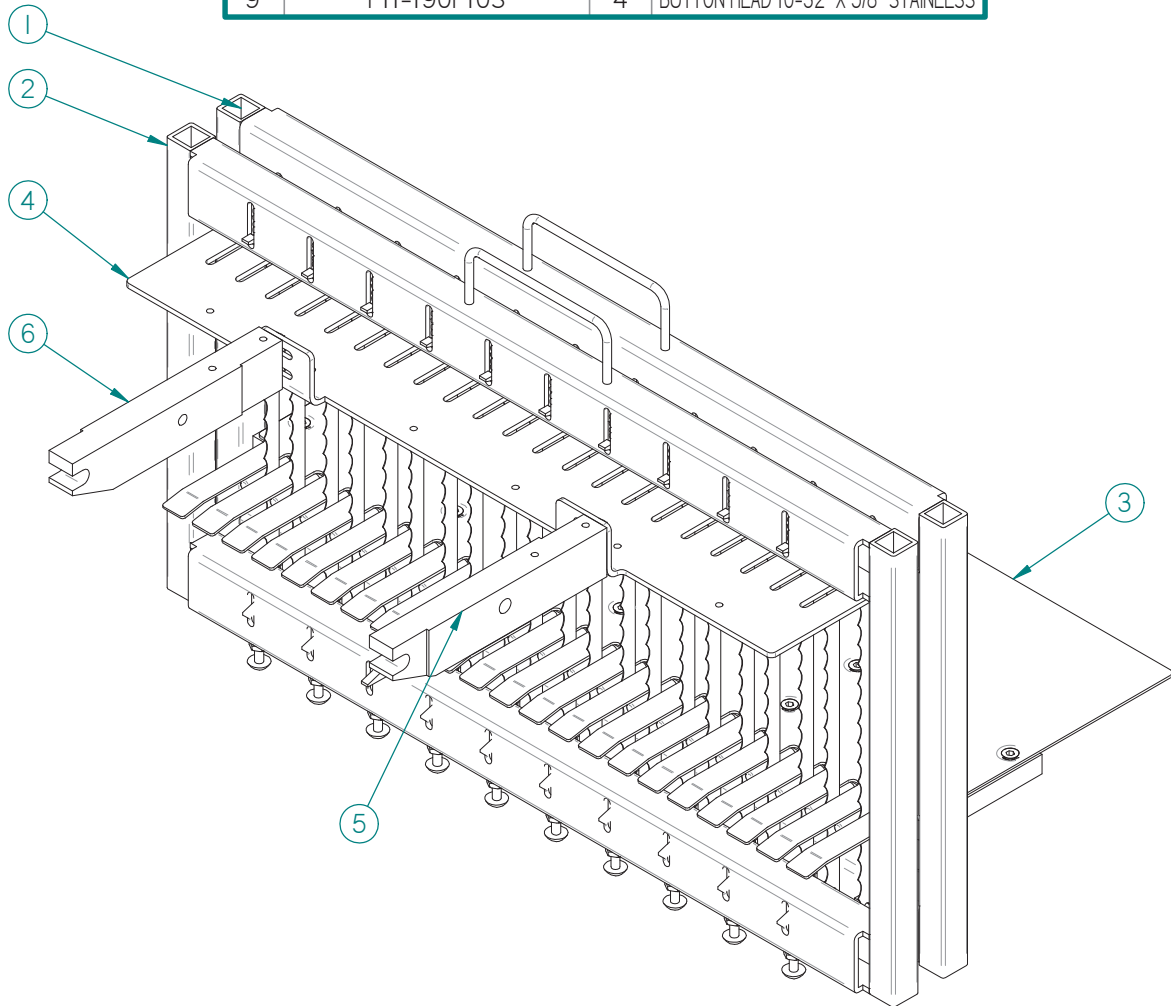
KR-01071M			
No.	Part number	Qty	Title
1	ASS-00150	1	FRAME 3/4" ASSEMBLY
2	ASS-00151	1	FRAME 3/4" ASSEMBLY
3	PR-01073-M	1	FRAME BLADE SLICER 3/4" ASSEMBLY
4	PR-01140-12-1	1	UPPER COMB 3/4"
5	PR-010591	1	COMB HOLDER
6	PR-010601	1	COMB HOLDER
7*	F01-190S	4	FLAT WASHER #10 STAINLESS
8*	F02-190S	4	LOCK WASHER #10 STAINLESS
9*	F11-190F10S	4	BUTTON HEAD 10-32 X 5/8" STAINLESS



SOLID EDGE HOME USE

7/8"

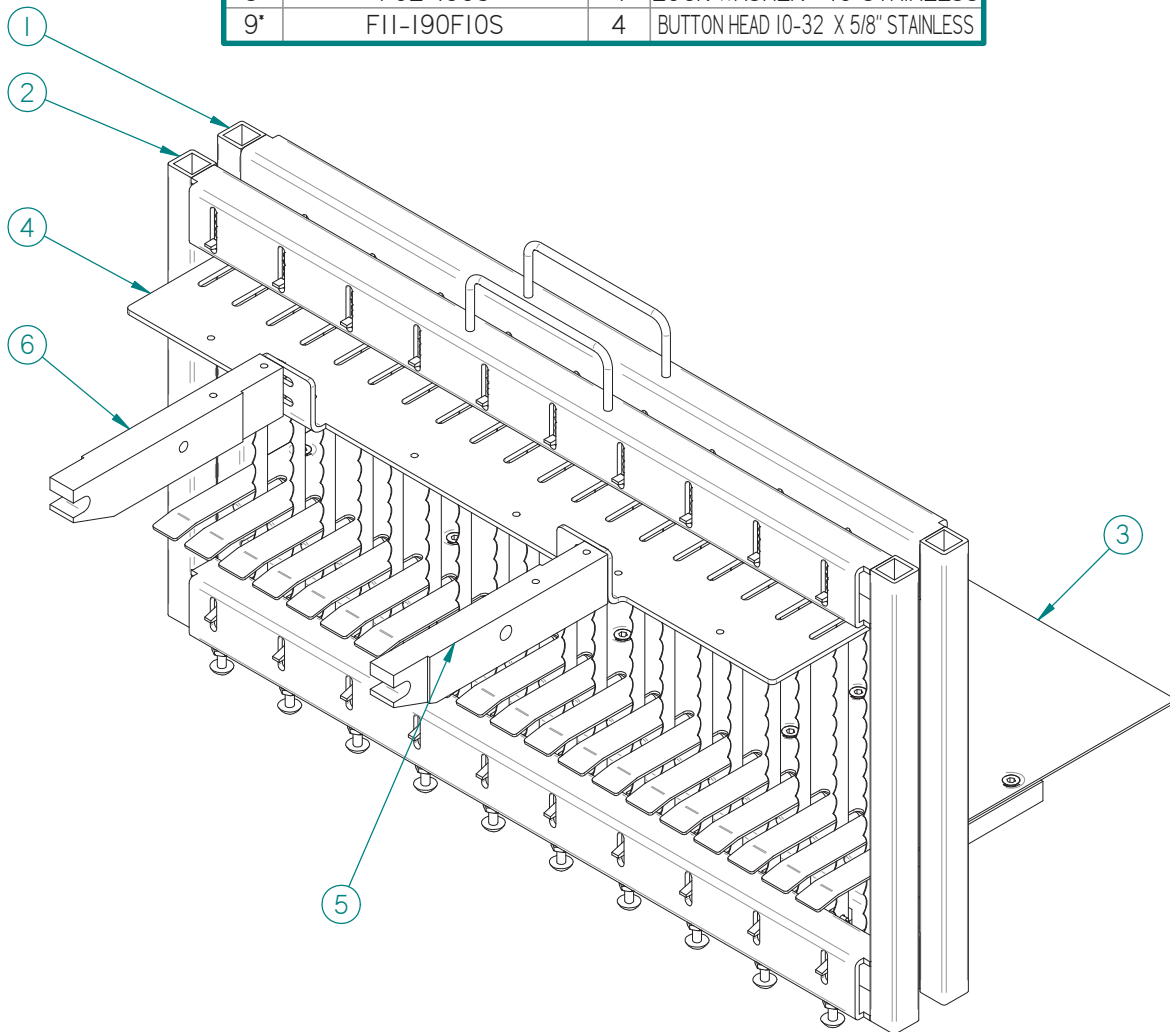
KR-01071o			
No.	Part number	Qty	Title
1	ASS-00152	1	FRAME 7/8" ASSEMBLY
2	ASS-00153	1	FRAME 7/8" ASSEMBLY
3	PR-01073-o	1	FRAME BLADE SLICER 7/8" ASSEMBLY
4	PR-01140-14-1	1	UPPER COMB 7/8"
5	PR-010591	1	COMB HOLDER
6	PR-010601	1	COMB HOLDER
7*	F01-190S	4	FLAT WASHER #10 STAINLESS
8*	F02-190S	4	LOCK WASHER #10 STAINLESS
9*	F11-190F10S	4	BUTTON HEAD 10-32 X 5/8" STAINLESS



SOLID EDGE HOME USE

1"

KR-01071Q			
No.	Part number	Qty	Title
1	ASS-00154	1	FRAME 1" ASSEMBLY
2	ASS-00155	1	FRAME 1" ASSEMBLY
3	PR-01073-Q	1	FRAME BLADE SLICER 1" ASSEMBLY
4	PR-01140-16-1	1	UPPER COMB 1"
5	PR-010591	1	COMB HOLDER
6	PR-010601	1	COMB HOLDER
7*	F01-190S	4	FLAT WASHER #10 STAINLESS
8*	F02-190S	4	LOCK WASHER #10 STAINLESS
9*	F11-190F10S	4	BUTTON HEAD 10-32 X 5/8" STAINLESS



SOLID EDGE HOME USE

CLIENT	PROJET	PAGE	TITRE	REV	REVISION	DATE REVISION
KLR SYSTEMES	PANNEAU DE TRANCHEUSE D20	1	LISTE DES DESSINS	B	TEL QUE CONSTRUIT	2017-01-10
KLR SYSTEMES	PANNEAU DE TRANCHEUSE D20	2	SCHÉMA DE CONTRÔLE	B	TEL QUE CONSTRUIT	2017-01-10
KLR SYSTEMES	PANNEAU DE TRANCHEUSE D20	3	SCHÉMA DE SÉCURITÉ	B	TEL QUE CONSTRUIT	2017-01-10



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RÉFÉRENCES		
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RÉVISION			
NO.	DATE	DESCRIPTION	APPR.
A	2017-01-04	POUR CONSTRUCTION	
B	2017-01-10	TEL QUE CONSTRUIT	

CLIENT:

KLR SYSTEMES

PROJET:

PANNEAU DE TRANCHEUSE D20

TITRE:

LISTE DES DESSINS

DESSINATEUR:
JONATHAN LAROCHE

APPROUVÉ PAR:

CHARGE DE PROJET:
CONSTANT GAUVIN

NO. DOSSIER:
F16-590

ÉCHELLE:

PAGE:
1 - 3

DATE:
2017-01-10

REV.:
B



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RÉVISION			
NO.	DATE	DESCRIPTION	APPR.
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CLIENT:			
KLR SYSTEMES			
PROJET:			
PANNEAU DE TRANCHEUSE D20			
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SCHÉMA DE SÉCURITÉ			
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JONATHAN LAROCHE			
CHARGE DE PROJET:		NO. DOSSIER:	
CONSTANT GAUVIN		F16-590	
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