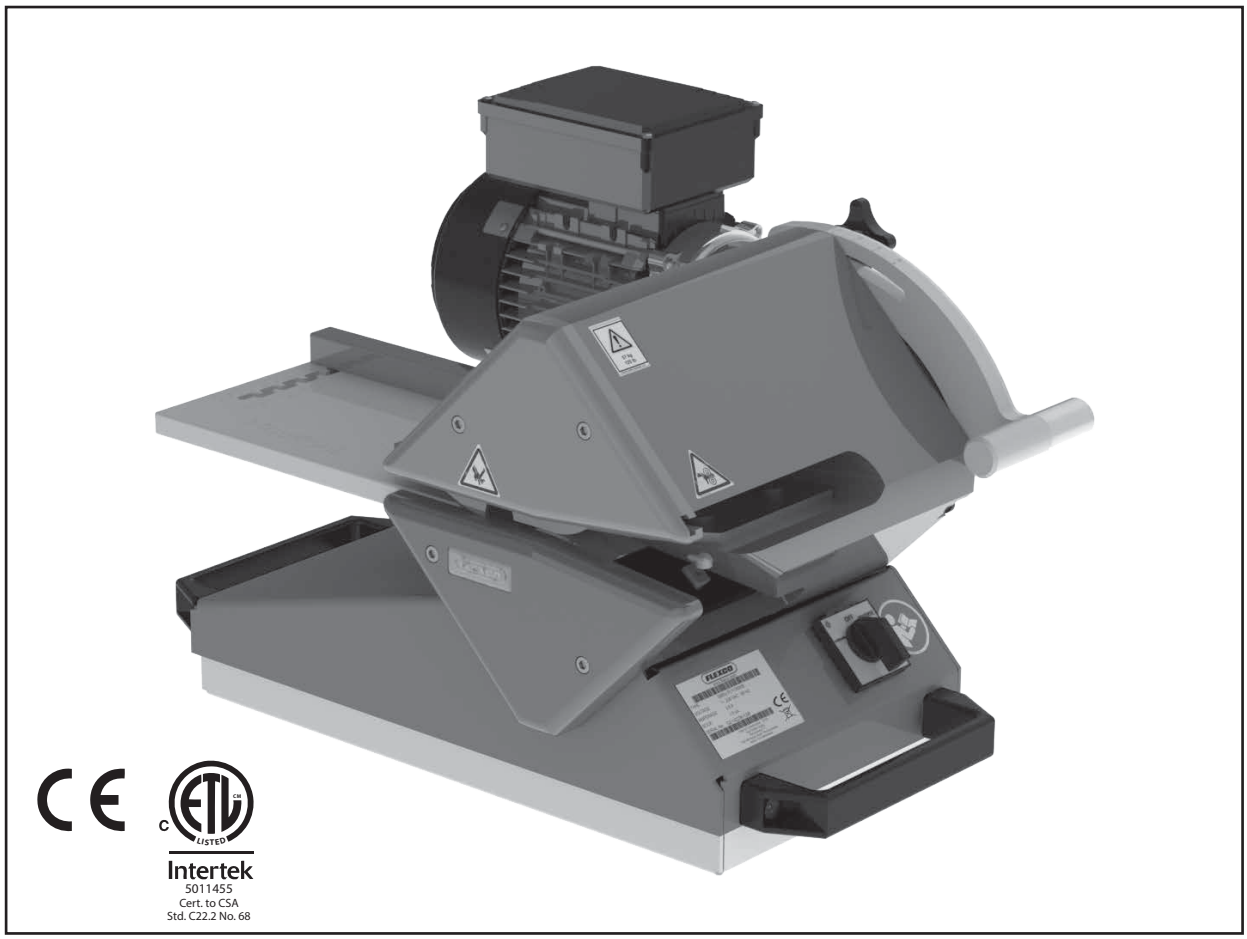
FLEXCO

Novitool® Ply 130™ Separator Workbench & Optional Workshop Cart Safety and Operation Manual

Separate between the plies of a conveyor belt.



⚠ WARNING

IMPROPER OR UNSAFE use of this tool can result in serious bodily injury! This manual contains important information about product function and safety. Please read and understand this manual BEFORE operating the tool. Please keep this manual available for other users and owners before they use the tool. This manual should be stored in a safe place.

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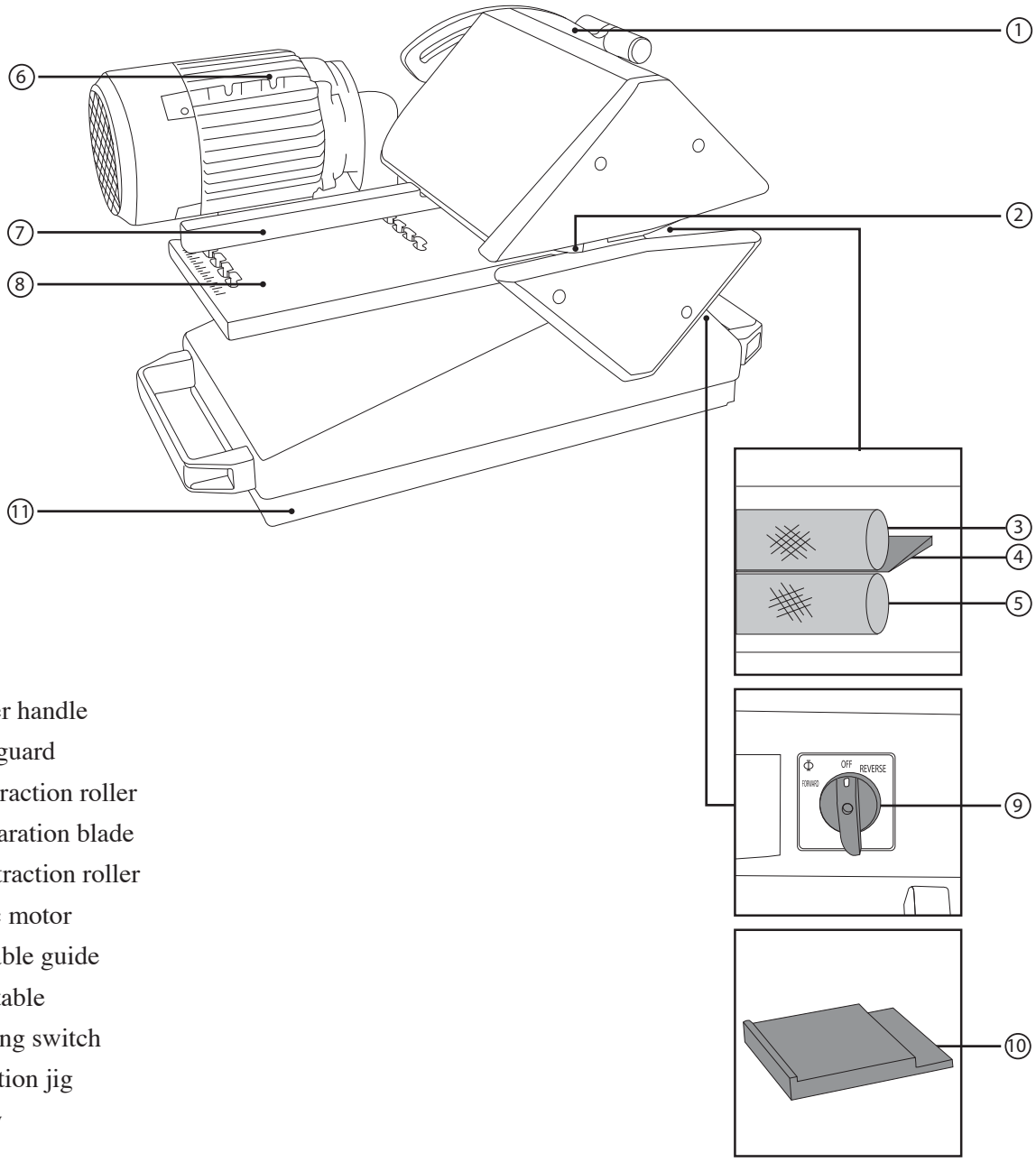
Disclaimer The Ply 130™ ply separator has been tested successfully with different belt types. However this is no guarantee for good results. Fabricating belts does require the operator to master skills and have a certain level of craftsmanship. Results also depend on good practice, material composition and sharpness of blade. If results are not as expected, please contact Flexco.

Main Components Ply 130™



1. Adjuster handle
2. Finger guard
3. Upper traction roller
4. Ply separation blade
5. Lower traction roller
6. Electric motor
7. Adjustable guide
8. Infeed table
9. Operating switch
10. Calibration jig
11. Ply tray

Description

The Ply 130™ is used to separate between the plies of a thermoplastic conveyor belt, PVC or polyurethane. This splitting action is often required in preparation before splicing a belt with a splice press.

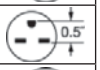
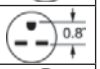
A great advantage of this ply separator is that it can split as deep as 130 mm (5") in one pass.

The robust construction of the Ply 130™ allows for precise separating of thermoplastic belts – both thin and thick between plies as little as 0.35 mm (0.014") can be separated. Foil/film may be created dependent upon belting and top cover thickness.

The Ply 130™ can be used to prepare finger over finger splices and stepped splices. With the adjuster handle you determine the depth to split the belt. It may be possible to split between every ply of the belt and in this way to generate two or three separations within one belt.

Tool Specifications

Ply 130™ Tool Specifications		
Specifications	**Minimum**	**Maximum**
Splitting Depth	40 mm (1.5")	5.1" (130 mm)
Belt thickness above cut	0.35 mm (.014")	8 mm (.3")
Belt thickness below cut	0.35 mm (.014")	5 mm (.2")
Maximum belt thickness	N/A	10 mm (.4")
Tool dimensions	560 x 480 x 360 mm (22" x 19" x 14")	
Tool weight	57 kgs (125 lbs)	

Ply 130™ Ordering Information			
Item Code	**Ordering Number**	**Mark**	**Plug**
Ply 130™			
08800	PLY130-230V+N1PH50HZ-SCHUKO	CE	
08801	PLY130-400V+NV3PH50HZ-IEC60309	CE	
08802	PLY130-115V1PH60HZ-NEMA-5-15	cETL	
08803	PLY130-230V1PH60HZ-NEMA-L6-20	cETL	
08804	PLY130-230V1PH60HZ-NEMA-L6-30	cETL	
08805	PLY130-230V1PH60HZ-NEMA-L6-15	cETL	
08806	PLY130-230V1PH60HZ-NEMA-6-15	cETL	
08807	PLY130-230V1PH60HZ-NEMA-6-20	cETL	
08808	PLY130-230V1PH60HZ-NEMA-6-30	cETL	
08809	PLY130-230V3PH60HZ-NEMA-L15-20	cETL	
08810	PLY130-230V3PH60HZ-NEMA-L15-30	cETL	
08811	PLY130-460V3PH60HZ-NEMA-L16-20	cETL	
08812	PLY130-460V3PH60HZ-NEMA-L16-30	cETL	
08832	PLY130-230V1PH50HZ-IEC60309-16	CE	
08833	PLY130-230V1PH50HZ+N-BS1363-13	CE	
08834	PLY130-230V3PH60HZ-NEMA-18-20		
08843	PLY130-100V1PH50HZ-NEMA-5-15		
08844	PLY130-100V1PH60HZ-NEMA-5-15		
Cart			
08100	PLY130-CART		N/A
Replacement Blades			
08014	PLY-BL-BLADE-&-JIG-KIT		N/A
08490	PLY130-BLADE		N/A

General Safety Rules–Save These Instructions–

Signal words:

"DANGER" indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. The signal word is limited to the most extreme situations.

"WARNING" indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

"CAUTION" indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

Safety Symbol

This international safety symbol is used to identify and call attention to specific safety matters.

Safety Information

To Avoid Severe Personal Injury or Property Damage, read carefully and understand the following Safety Precautions.

1. WORK AREA

⚠CAUTION

Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

⚠DANGER

Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.

⚠CAUTION

Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

⚠WARNING

Never leave tool until it comes to a complete stop.

⚠WARNING

Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

⚠CAUTION

Environmental Operating and Storage Conditions

Operating Conditions

Ambient temperature 5°C (41°F) to 40°C (104°F)
Non-condensing humidity
Indoor use only

Storage and Transportation Conditions

Ambient temperature -25°C (-13°F) to 55°C (131°F)
Non-condensing humidity

2. ELECTRICAL SAFETY

⚠DANGER

The Ply Separator is a single insulated tool and needs a multiple wire grounded power cord and grounded power supply system. The machine is provided with an electrical plug to ensure connection to the proper supply power.

⚠WARNING

Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock.

⚠WARNING

Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock and will damage the tool.

⚠DANGER

Do not abuse the cord. Never use the cord to carry the tool or pull the plug from a receptacle. Keep cord away from heat, oil, sharp edges, or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

⚠WARNING

Do not use outdoors. This power tool is designed for indoor use only.

⚠WARNING

Do not use tool if switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.

Disconnect machine from supply circuit before servicing. Ensure all protective ground connections are in place after service. Replace fuses only with those of the same current rating, interrupt rating, voltage rating and construction.

3. PERSONAL SAFETY

⚠WARNING

Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.

⚠WARNING

Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

⚠WARNING

Avoid accidental starting. Be sure switch is off before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.

⚠WARNING

Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

⚠CAUTION

Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

⚠WARNING

Never alter or remove safety devices.

⚠WARNING

Keep your hands and fingers away from all moving and sharp parts, e.g. rolls and blade, at all times.

⚠WARNING

Engage caster locks on cart when not transporting

⚠WARNING

Machine is heavy. Use lifting aids.

4 TOOL USE AND CARE

⚠WARNING

Always use the ply separator on a level, firm surface. Splitting should be performed operating the machine with two hands on the material.

⚠CAUTION

Do not force tool when the belt material blocks or jams and do not continue feeding the material through tool. When jamed put the operating direction in reverse to remove the material.

⚠WARNING

Do not use tool if switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.

⚠WARNING

Disconnect the plug from the power source before making any adjustments, changing accessories, or storing or transporting the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

⚠WARNING

Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

⚠CAUTION

The Ply Separator should not be used to split other materials than thermoplastic belting materials. The thickness of the belting material should never exceed 10 mm.

⚠CAUTION

Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

⚠WARNING

Stow foot switch when not in use.

⚠WARNING

Disconnect and stow cables before moving.

5. SERVICE AND MAINTENANCE

⚠WARNING

Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.

⚠WARNING

Disconnect electrical plug from the power supply before opening/servicing the machine.

⚠CAUTION

When servicing a tool, use only identical replacement parts. Use of unauthorized parts or failure to follow Maintenance Instruction may create a risk of electric shock or injury.

⚠DANGER

Do not use power tools if the housing is damaged or not closed. Damaged or (partially) open housing can lead to electric shock. Such tools should not be used until repaired or closed.

⚠CAUTION

Do not wipe plastic parts with solvent.
Solvents such as gasoline, thinner, benzene, carbon tetrachloride, and alcohol may damage and crack plastic parts. Do not wipe them with such solvents. Wipe plastic parts with a soft cloth lightly dampened with soapy water and dry throughly.

⚠WARNING

NEVER use a tool which is defective or operating abnormally. If the tool appears to be operating unusually, making strange noises, or otherwise appears defective, stop using it immediately, disconnect from power supply and arrange for repairs.

⚠CAUTION

Maintain tools with care. Keep blades sharp and clean. Properly serviced tools and knifes with sharp edges are less likely to bind or create debris and are easier to control.

6. PLY CUTTER SAFETY

⚠WARNING

Make sure that the power cable is not near the material entrance opening.

⚠WARNING

Keep your body positioned perpendicular to the material feeding direction on the opposite side of the electric motor.

⚠WARNING

Keep your hands away from the feeding rolls and splitting area. Always guide the material in a way that your hands have a minimum distance of 10 cm (3.94") from this area.

⚠CAUTION

Do not use dull or damaged blades/ knives.

7. PLY CART SAFETY

⚠WARNING

Install casters onto Ply Cart before installing Ply 130.

⚠WARNING

Casters must be locked, and cart blocked from moving during Ply 130 installation.

⚠WARNING

Installing Ply 130 onto Ply Cart requires two persons. Ensure Ply 130 is tightly secured to Ply Cart using mounting bolts provided.

⚠WARNING

Do not push or tow the Ply Cart with a driven machine.

⚠WARNING

Avoid inclines, declines and floor obstructions when pushing cart. Only push cart in directions permitted by fixed casters, never pull or attempt to slide sideways.

⚠WARNING

Ensure Ply 130 plug is disconnected and cables are stored before transporting cart.

⚠WARNING

Ply cart is for Ply 130 installation only.

8. REPLACING THE BLADE

⚠WARNING

Disconnect power.

⚠CAUTION

Do not attempt to resharpen blades. This will affect splitting completely through belt.

⚠WARNING

Always wear cut-proof safety gloves and safety glasses when replacing blade. Blade is razor sharp, treat it accordingly.

⚠WARNING

Before performing a blade replacement, follow all procedures stated in manual.

⚠WARNING

Only authorized and trained technicians should work on the ply separator.

⚠WARNING

Test the splitter after blade / knife replacements to make sure that it can be used safely.

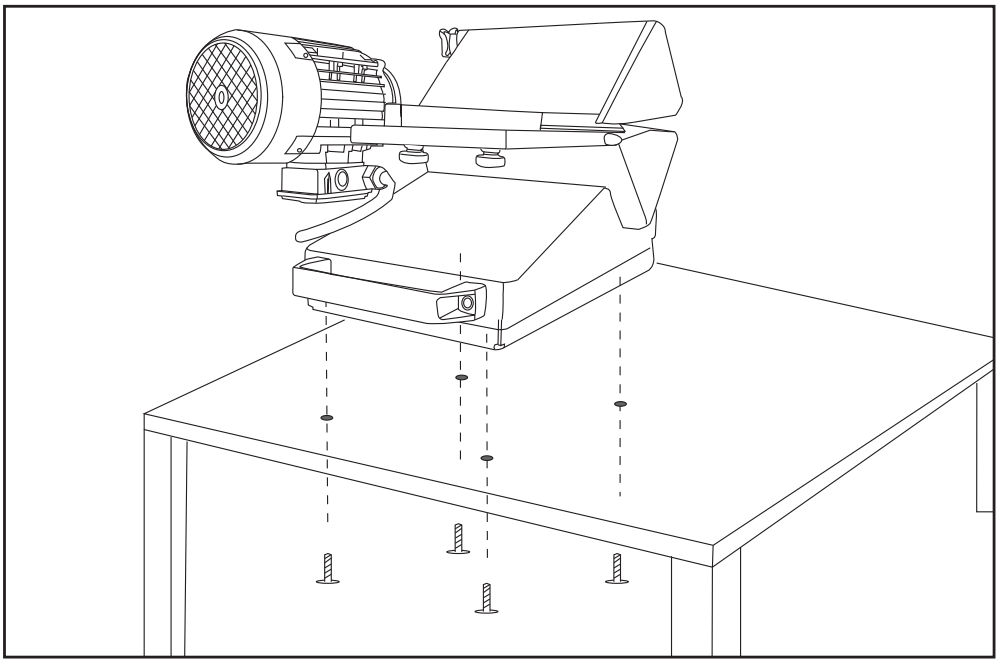
⚠WARNING

Stow spare blades safely.

Workbench Installation

A1

The Ply 130™ must, for safety reasons, be mounted on a firm and level workbench.

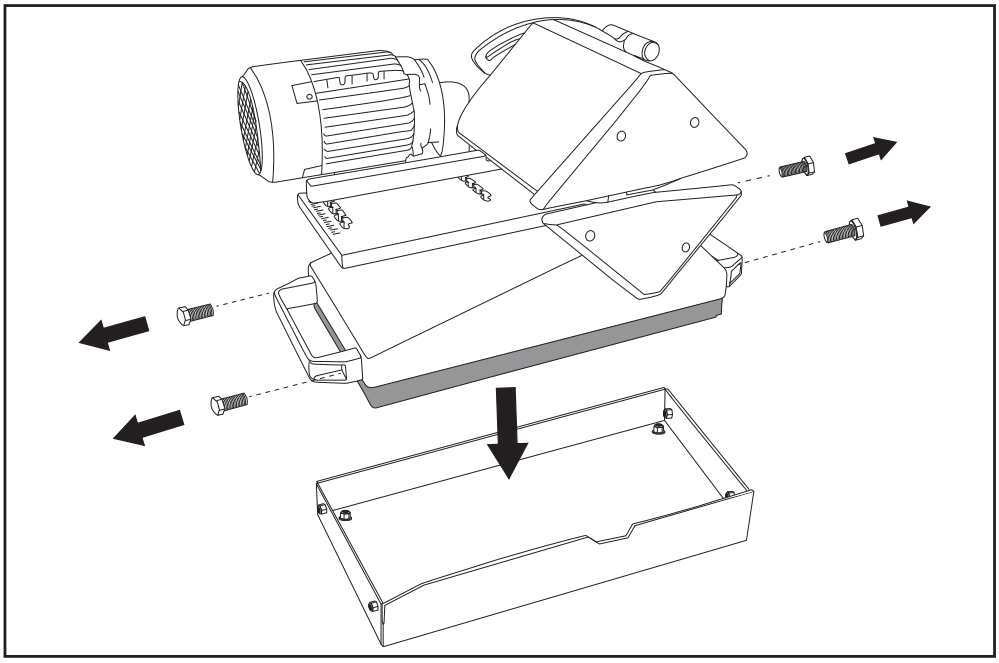


Fasten four bolts (M8 x 16 mm + table thickness) in threaded holes located in bottom of ply tray.

Ply 130™ Cart Installation

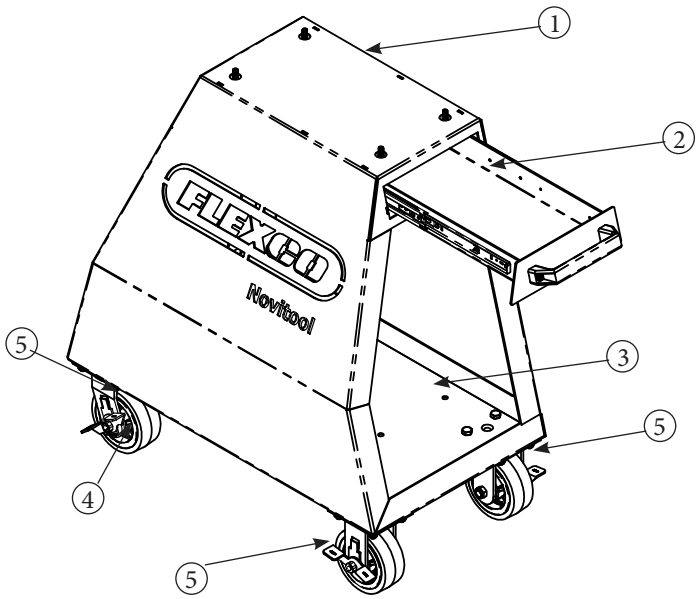
B1 Retrofit Tray

For serial numbers starting with 20xxxxxx the ply tray must be replaced with retrofit Ply 130 tray (item 08233). Serial numbers starting with C1-113026-13W have the required tray.
Ensure power is disconnected. Use caution to avoid damage to exposed electrical components. Do not place under side of the machine on a surface without the tray installed.



To remove existing tray from the Ply 130, remove fasteners from handles and remove handles. The tray can now be removed. Then install new tray (item code 08233) oriented as shown in above illustration and reinstall handles.

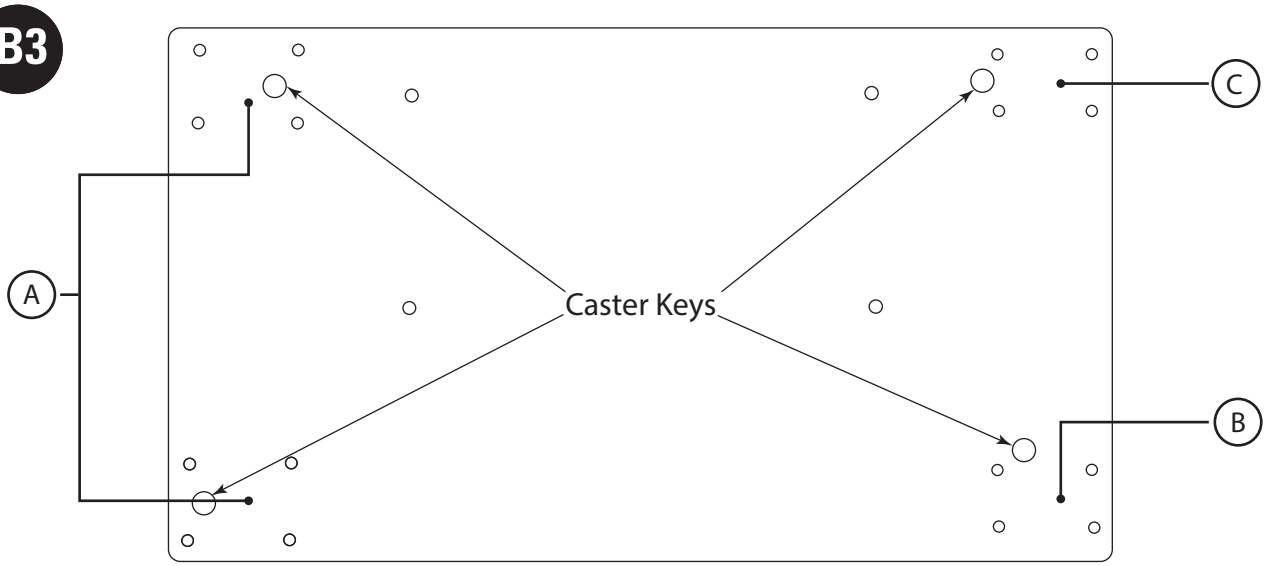
B2 Main Components Ply Cart™



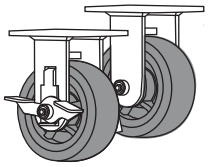
1. Support deck
2. Storage drawer
3. Housing
4. Casters
5. Locking brake

Cart Assembly

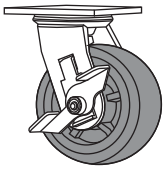
B3



Bottom View



A — 2x Fixed casters with brake



B — 1x Swivel caster with brake

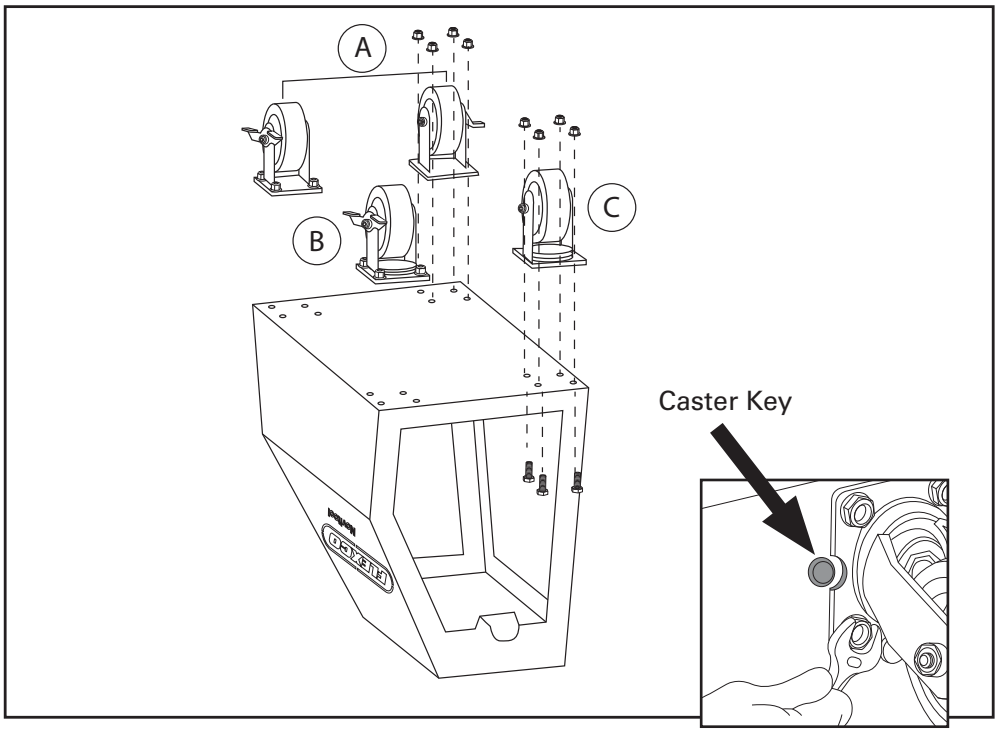
C — 1x Swivel caster

16x Bolt M10x25

16x M10 Nylok flanged

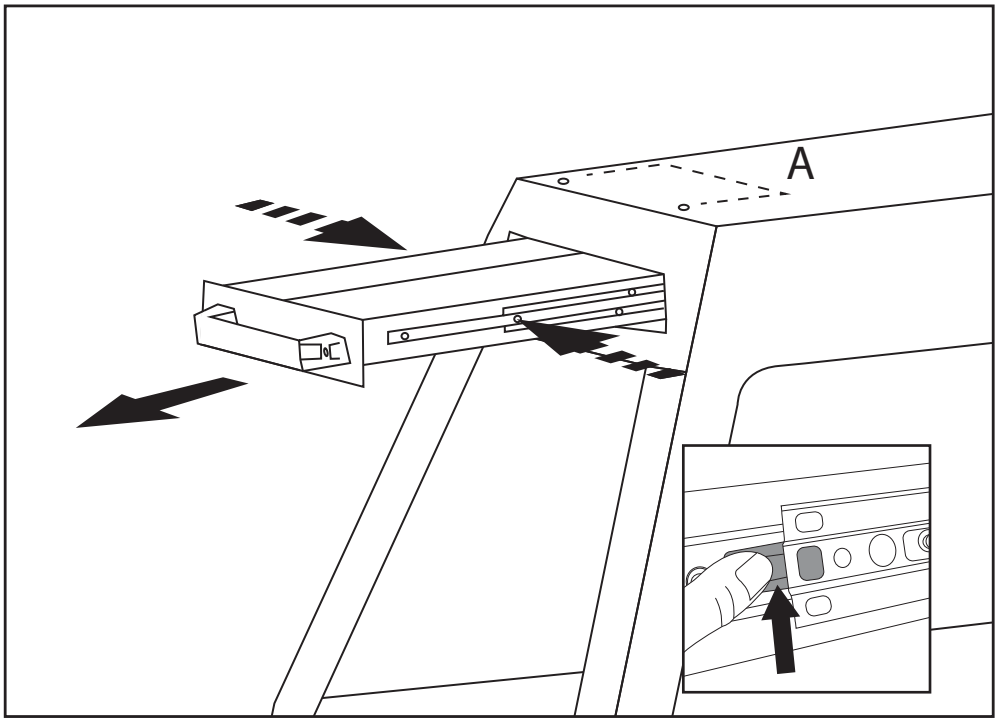
4x Bolt M8x20

B4



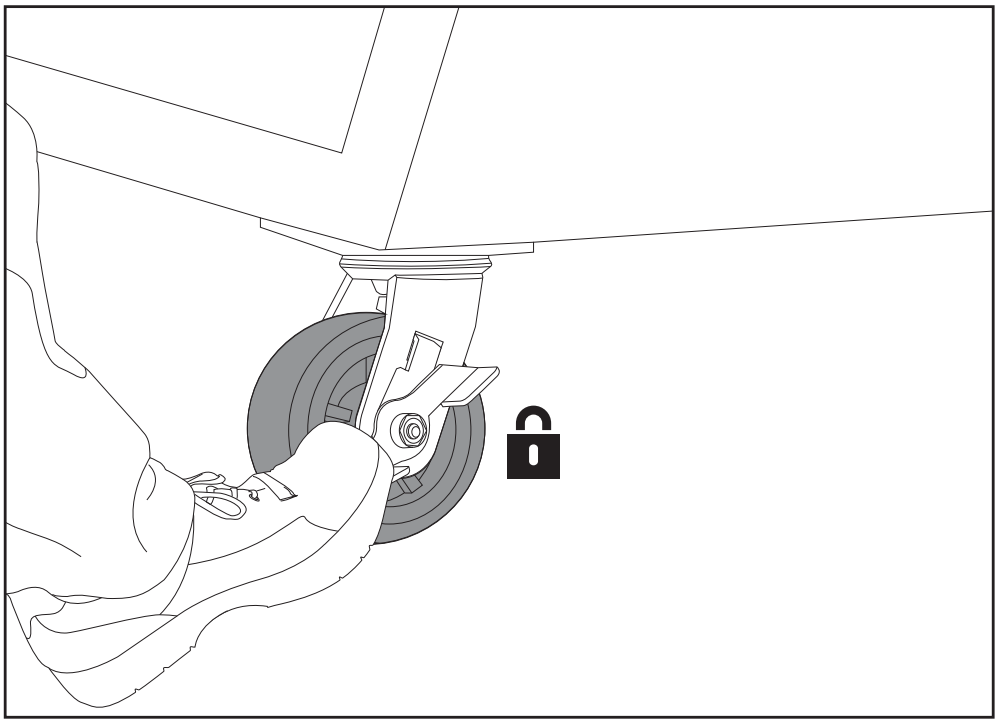
Mount wheels. For position and materials refer to drawing on page 11. Ensure key tabs on cart base engage with caster key features.

B5



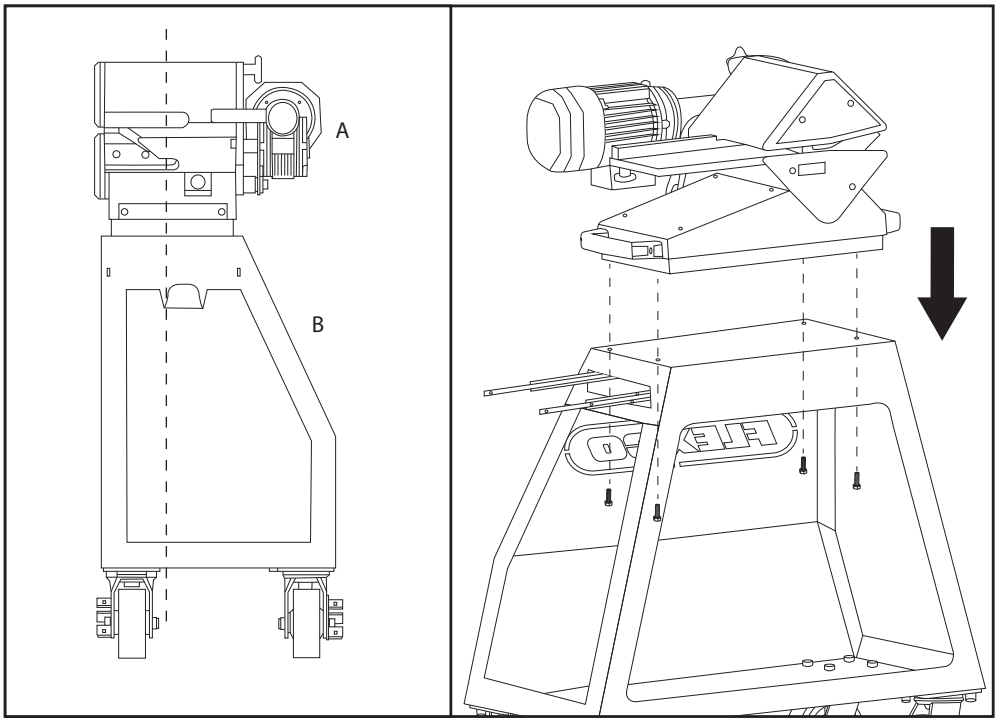
For access to Ply 130 mounting bolt hole positions (A), remove drawer by pushing on the latch release tab on drawer slides on both sides simultaneously.

B6



Lock casters and block cart to prevent cart movement before installing Ply 130.

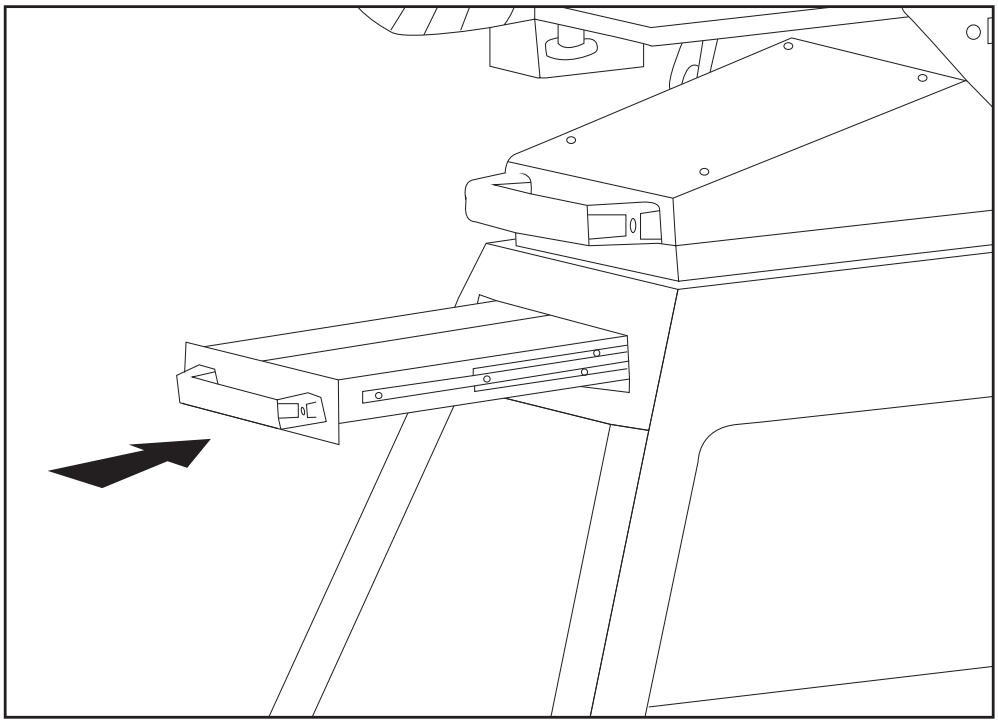
B7



Center Ply 130 onto cart with motor (A) toward the logo side (B). Mount Ply 130 on support deck. Ensure four bolt holes on tray line up with four bolt holes on top deck. Tighten M8x20 bolts (included with Ply 130 Cart) firmly.

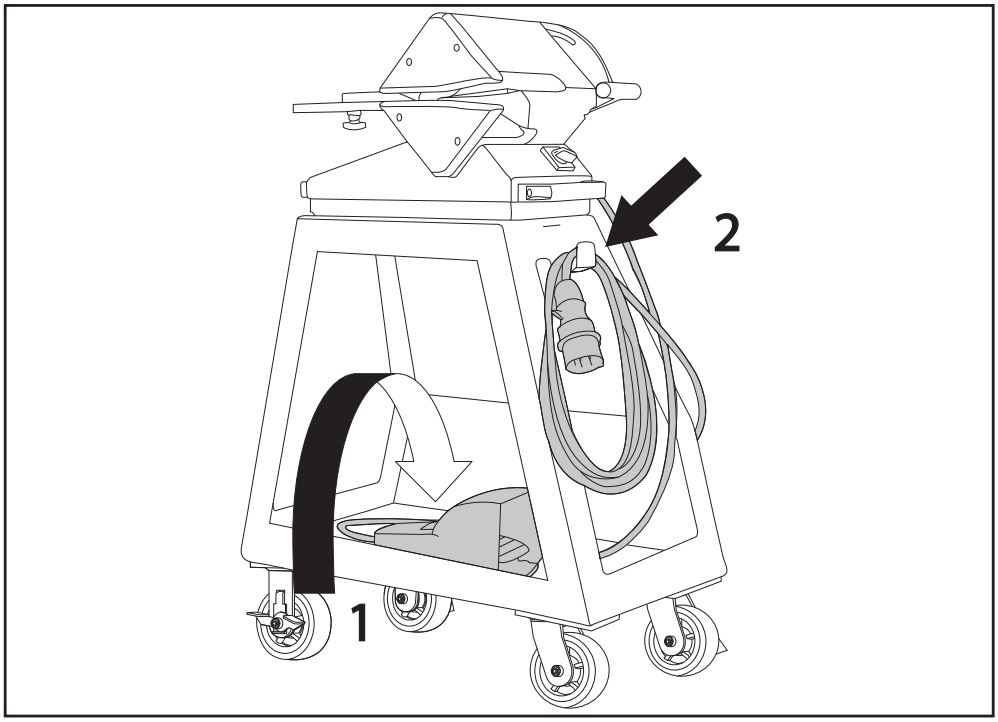
⚠ **Caution:** Proper orientation of ply separator on cart is critical.

B8



Reinstall drawer by engaging the drawer slides on both sides of cart.

B9



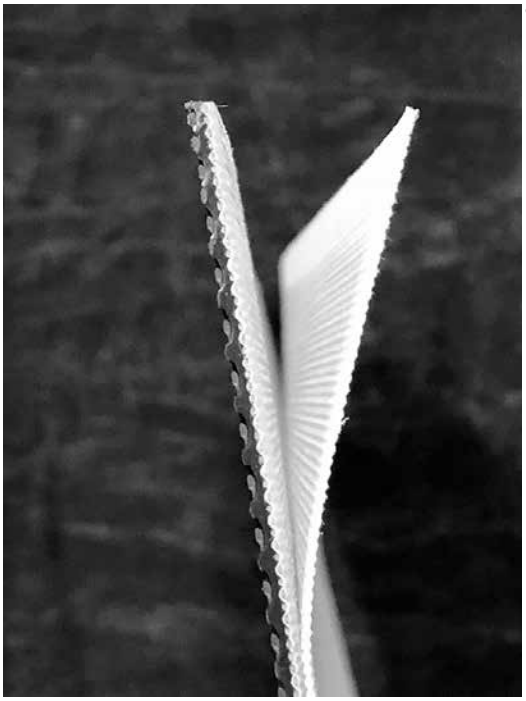
For moving cart; 1. Place foot switch in cart. 2. Hang power cord on cart.

Ply Separation Process

C

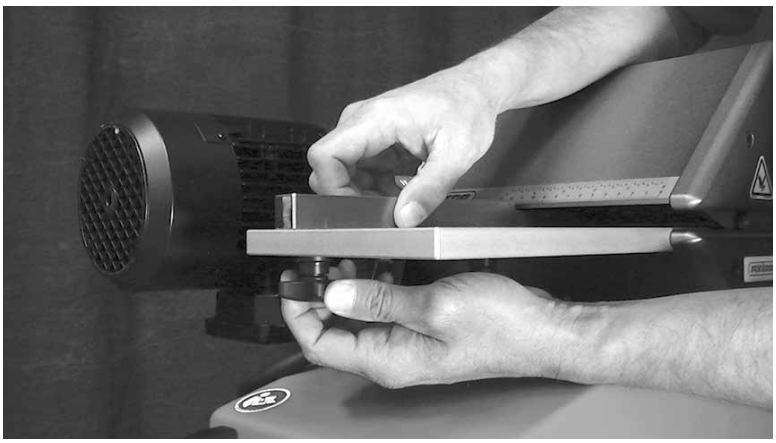
Prior to splitting ensure:

- The Ply 130™ is mounted properly (see instructions for work bench or cart installation).
- That the three casters of the Ply 130 cart are locked (when using the cart).



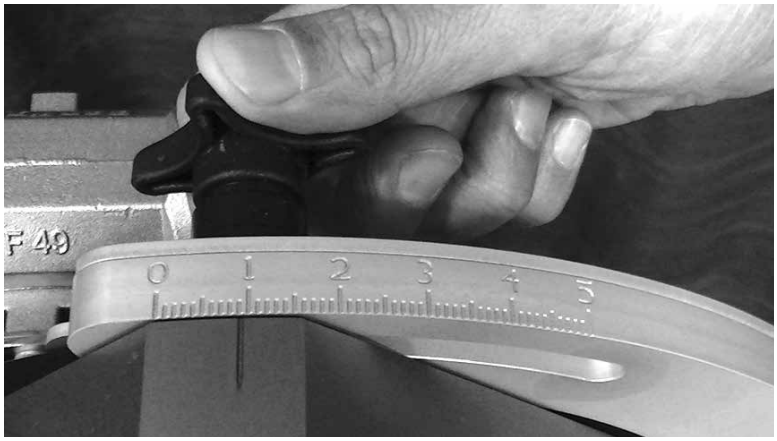
- To prepare for a splice, the material is separated between the belt plies. The depth of separation should be determined by the operator since it will depend on belt material, number of plies and splice type.

C1



Under infeed table, loosen clamp nuts to release adjustable guide and move to set to desired splitting depth. Depth adjustment is in increments of 5 mm. Lock the adjustable guide by tightening the clamp nuts underneath the infeed table.

C2



Set the belt separation thickness using the adjuster handle to position the lower traction roller. Lock in position.

Note: Scale is for reference only and not a linear dimension.

C3

Set operating switch to 'FORWARD'.

Caution: When toggling to 'REVERSE', traction rollers are immediately powered without use of the foot switch.

C4

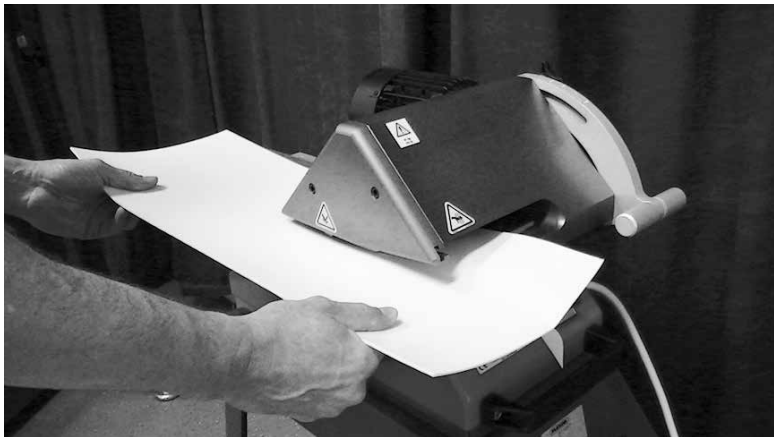
Operate traction rollers in the forward direction by pressing foot switch.

C5

Use sample piece of belting to validate separation thickness between plies. Use adjusting handle position as needed (C2). For maximum depth separation, it is recommended to make multiple passes to gradually meet full depth.

Note: For polyurethane belts it is recommended to separate trailing corner (as shown in photo) to prepare sample for full width ply separation.

C6



Feed belt material through Ply 130. Set operating switch to 'OFF' when separation is complete.

TIP

For polyurethane belt, if splitting over 50 mm in depth, it is recommended to make 2 to 3 passes gradually increasing the depth.

TIP

Make your own logbook of belting material and settings for future reference.

Separating to Make Foil/Film

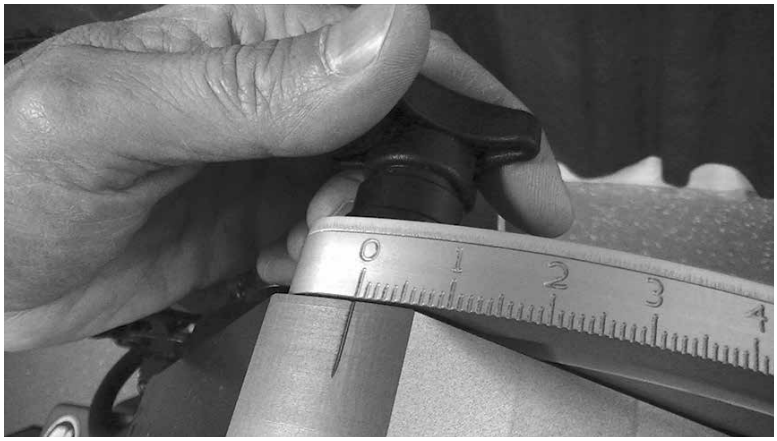
D

Foil/film may be created dependent upon belting and top cover thickness.

Prior to splitting ensure:

- That the blade and traction roller clearances are set-up properly. Follow the instructions starting on page 25, Ply 130™ Maintenance – Measure and Adjust Blade/Roller Clearance as Necessary.

D1



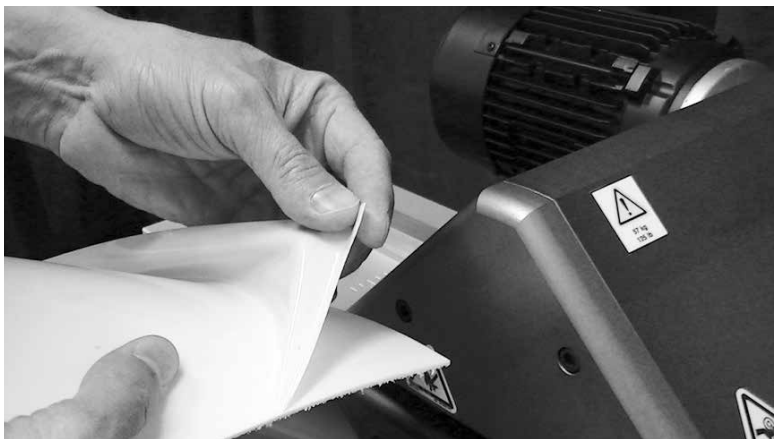
Lock the adjuster handle to the minimum (“0”) position.

D2

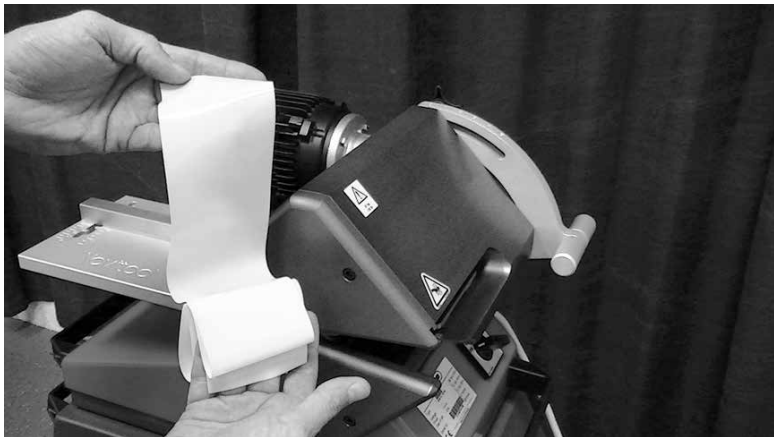
Place a sample piece of belt, cover side down, onto the belt support tray. Run belt through ply separator.

Note: If foil shreds, index the lower roller adjusting lever one “increment” and repeat process with a new belt sample.

D3



Once foil/film setting is acceptable, run foil/film as needed.



Ply 130™ Maintenance – Blade Replacement

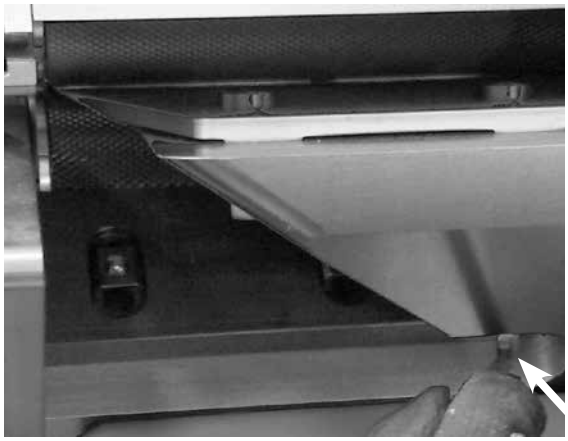
E

Prior to blade replacement ensure:

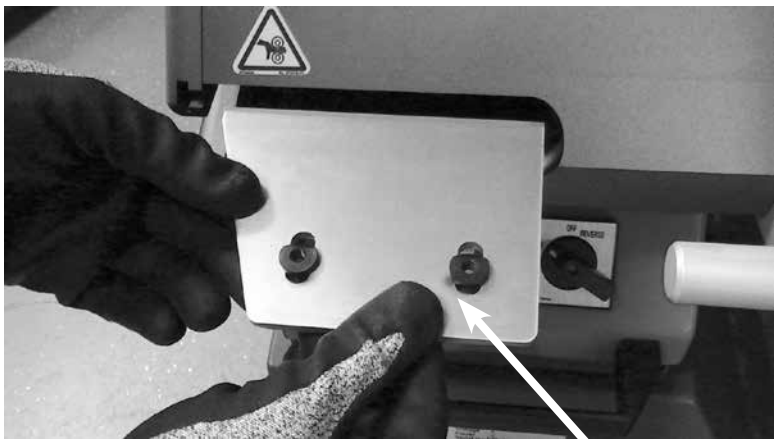
- The power cable is disconnected from the power supply.
- The replacement Flexco blade, calibration jig and clearance shims are readily available.
- The operator is wearing cut-proof safety gloves and safety glasses.

E1

Release blade by unscrewing two bolts at bottom of blade with a 5 mm hex key.



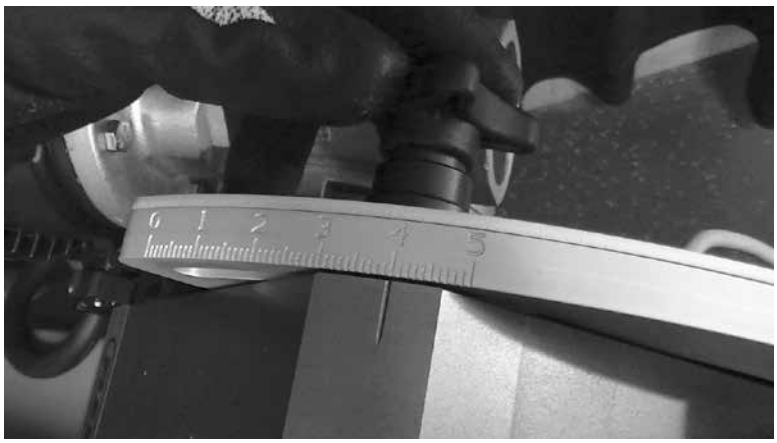
E2



Remove blade carefully. Remove blade nuts and set aside for future use. Retain brass spacers should they release with the bolts.

Warning: Do not touch blade edge.

E3

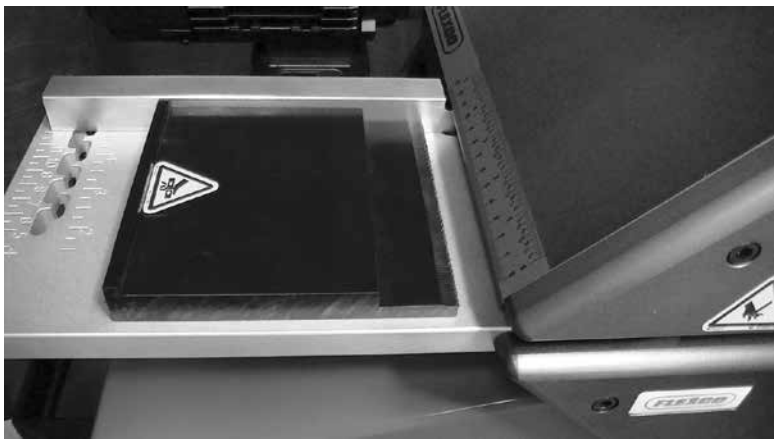


Lock adjusting handle in position 4.0 to 4.5.

E4

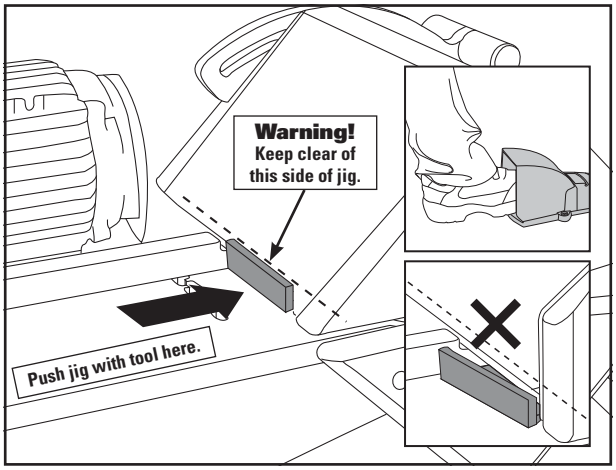
Lock adjusting guide to 120 mm.

E5



Place calibration jig on feed table with thin edge toward rollers. Plug in power connection. Turn switch to 'FORWARD'.

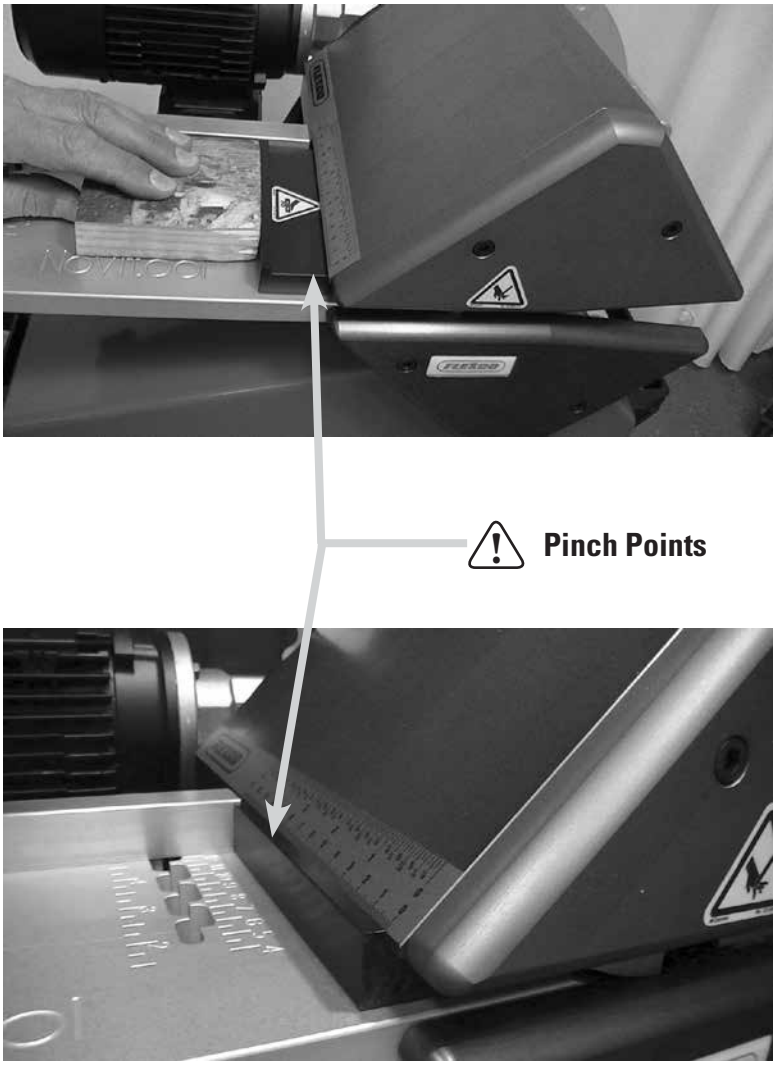
E6



With moderate force, push calibration jig into Ply 130 using a block of wood or tool simultaneously turning on Ply with foot switch. When lip of jig is tight up against the Ply frame, release the foot switch and toggle operating switch to "OFF". Disconnect power.

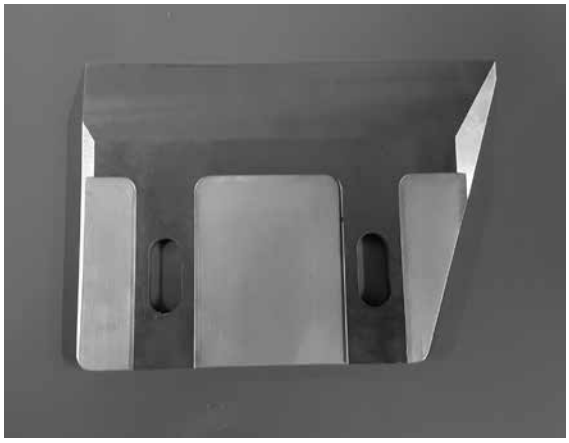
Note: Calibration jig must be parallel to frame.

Caution: Note pinch point as jig enters the ply separator frame.



E7

Install new ply separation blade with bevel side down.
Warning: Do not touch blade edge.



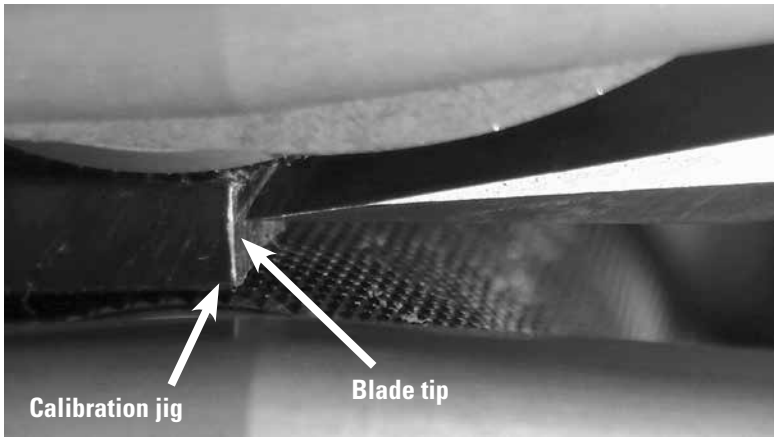
Insert nuts so that bevels are facing toward traction rollers.

E8

Ensure brass spacers are present either in the Ply frame or on bolt. Finger tighten bolts only so that the blade can still shift (long bolt in rear and short bolt in front).

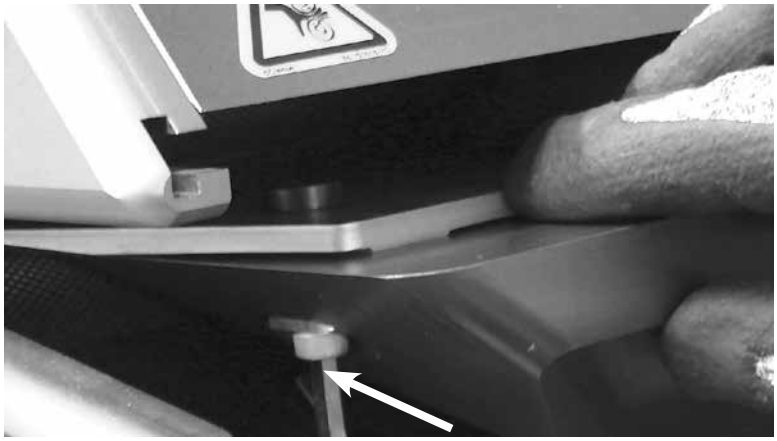
Note: Bolts don't extend above the top of the nut once installed.

E9



Apply pressure to the back side of blade so that the blade tip squarely rests against the calibration jig.

E10



Tighten bolts firmly while keeping pressure of blade against the jig.

E11

Reconnect power cable to electrical power supply. Rotate switch to 'REVERSE' to release calibration jig from between traction rollers.

F

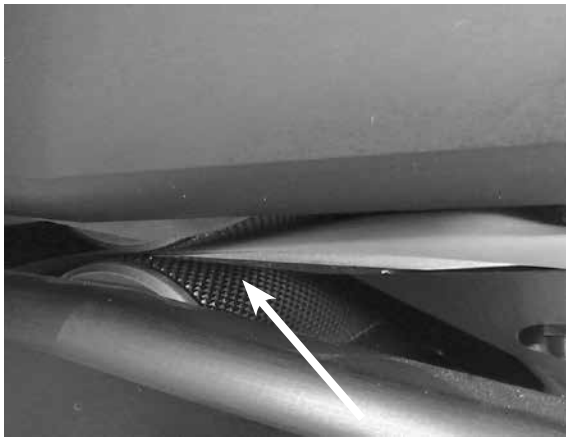
Ply 130™ Maintenance – Measure and Adjust Blade/Roller Clearance As Necessary

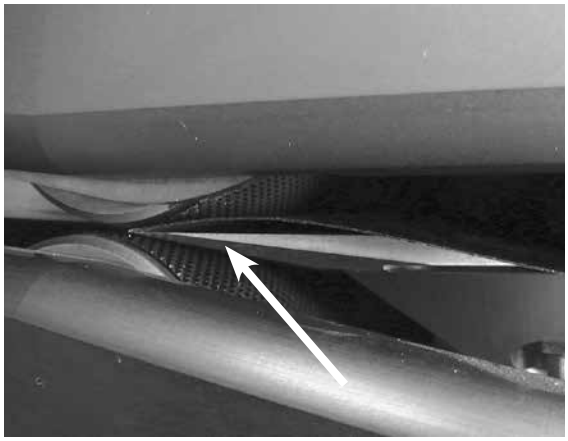
Verify Blade/Roller Clearance:

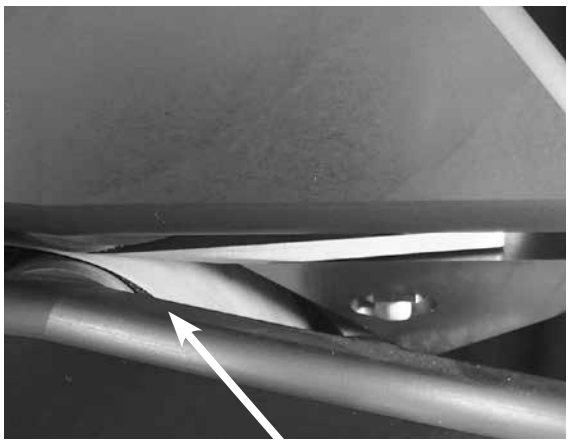
- Disconnect power cable from the power supply.
- After replacing the ply separation blade, it may be necessary to adjust traction roller height.

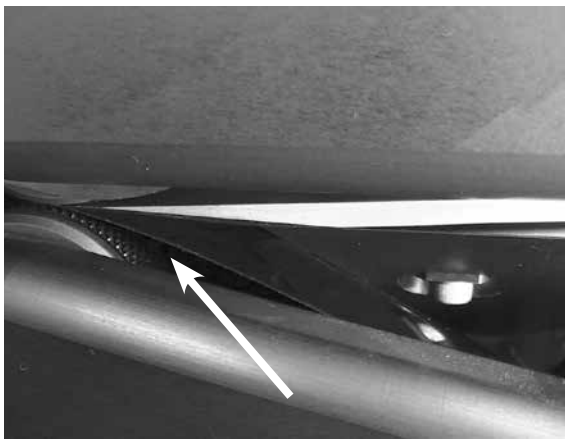
F1

To evaluate clearance between the upper traction roller and top of blade, begin by positioning the adjustment handle to 0. Insert the white thickness clearance shim between the ply separation blade and the top traction roller. The shim should move freely with little resistance. The black clearance thickness shim should not fit between the ply separation blade and the top traction roller. Repeat the same process to evaluate clearance between bottom of blade to lower traction roller.









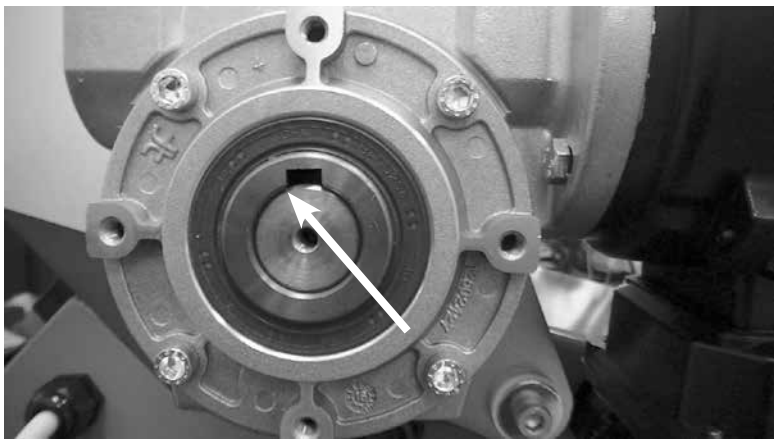
F2

If adjustment is needed, unscrew clamp nut on adjustment guard plate.

F3

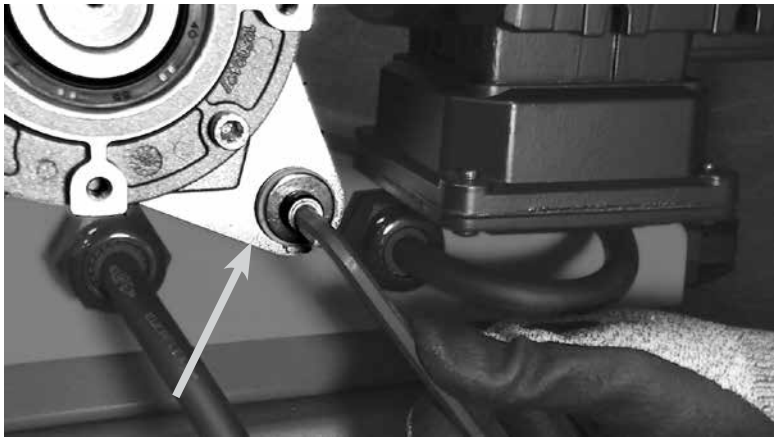
Using a 5 mm hex key, remove the handle.

F4



For easier removal of motor ensure keyway is positioned at top of drive shaft.

F5

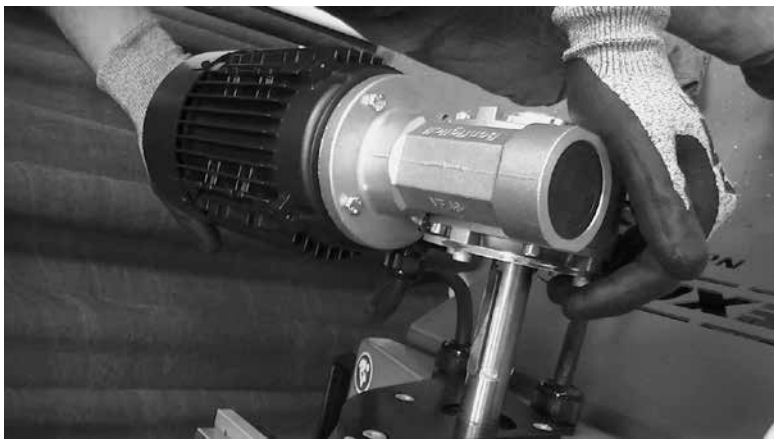


Remove the electric motor to gain sufficient access for adjustment of traction rollers by first removing the torque arm bolt using a 6 mm hex wrench.

F6

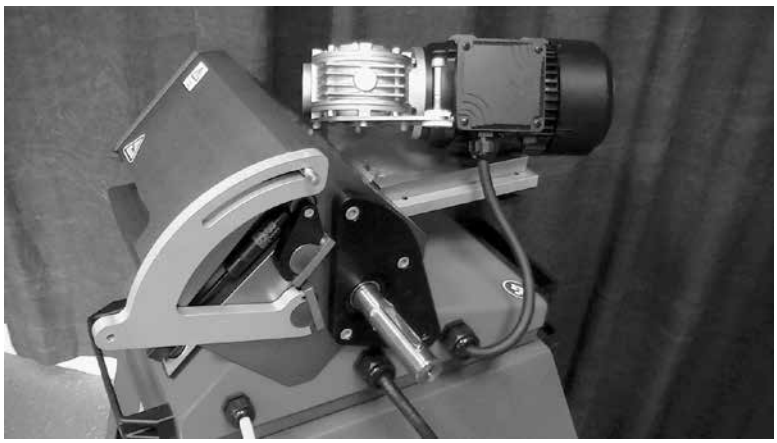
After removal of torque arm bolt set spacer aside.

F7



Slide motor off shaft.

F8



Carefully rest motor on infeed tray.

Caution: Do not allow motor to slide off of tray surface.

Adjustments to Increase or Decrease the Distance Between the Upper Roller and Blade

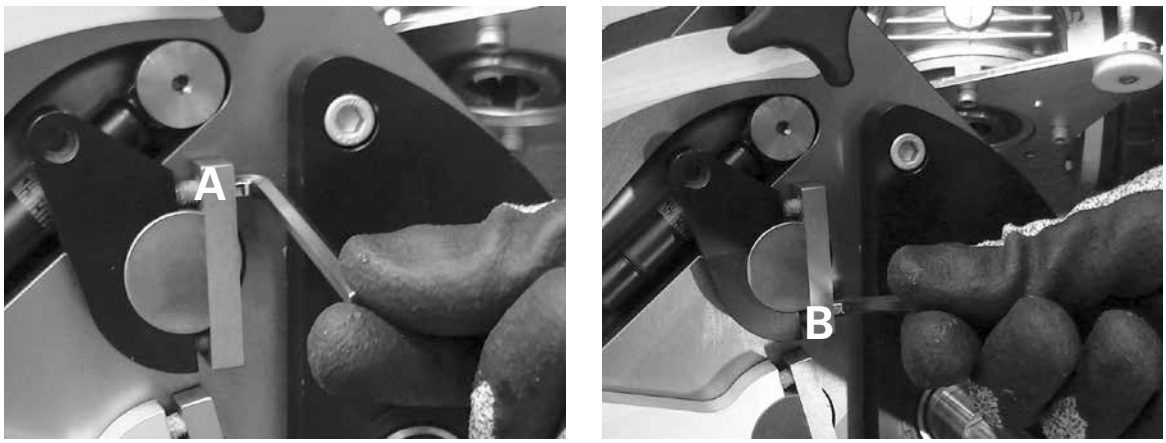
F9

For upper roller adjustment loosen and remove gas spring fixation screw.

The purpose of the adjustment is to turn the eccentric shaft. It is important to turn, for both A and B, a recommended one quarter turn or less prior to rechecking with shims.

F10 For increasing the clearance between the top roller and blade: using a 5 mm hex key to engage screws, loosen screw B counterclockwise one quarter turn and tighten screw A clockwise one quarter turn or until moderately tight.

F11 To decrease the clearance between the top roller and blade: loosen screw A counterclockwise one quarter of a turn and tighten screw B clockwise one quarter turn or until moderately tight.



F12

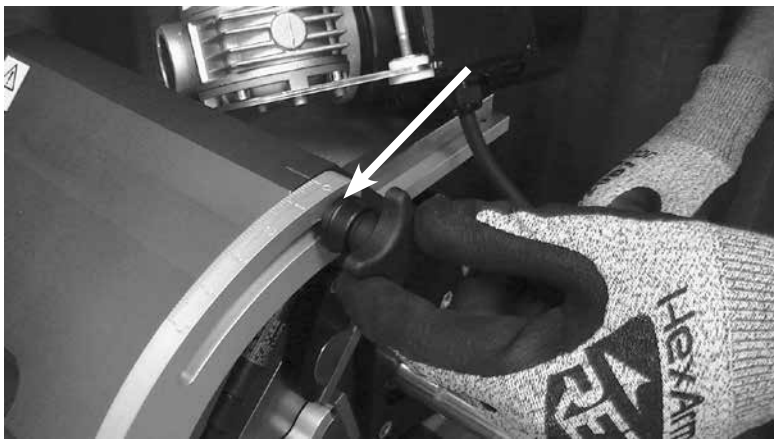
Reinstall gas spring screw.

F13

Check for clearance between the top traction roller and blade by inserting the clearance shims. There should be little resistance as the operator slides the white shim between the top traction roller and blade and the black shim should not pass through between the top traction roller and the blade. Repeat steps F9-F13 as necessary.

Adjustments to Increase or Decrease the Distance Between the Lower Roller and Blade

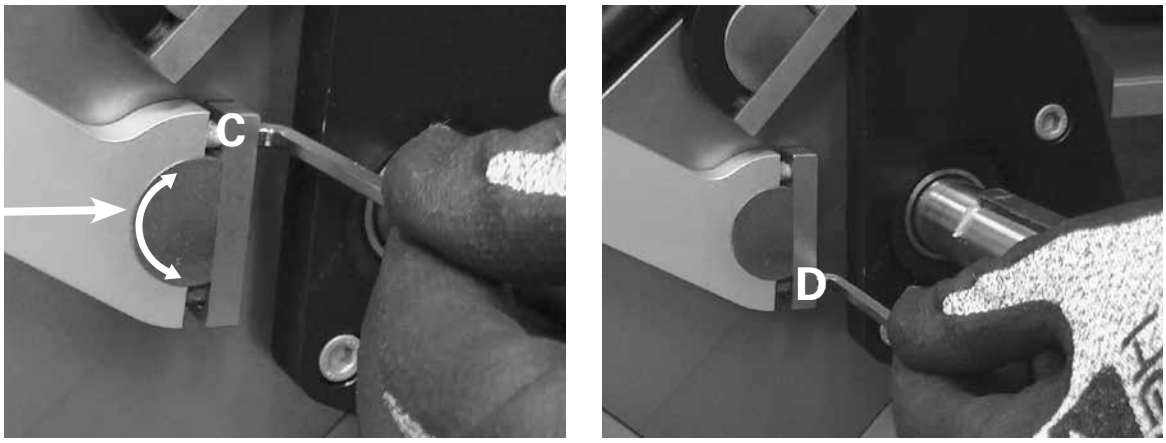
F14



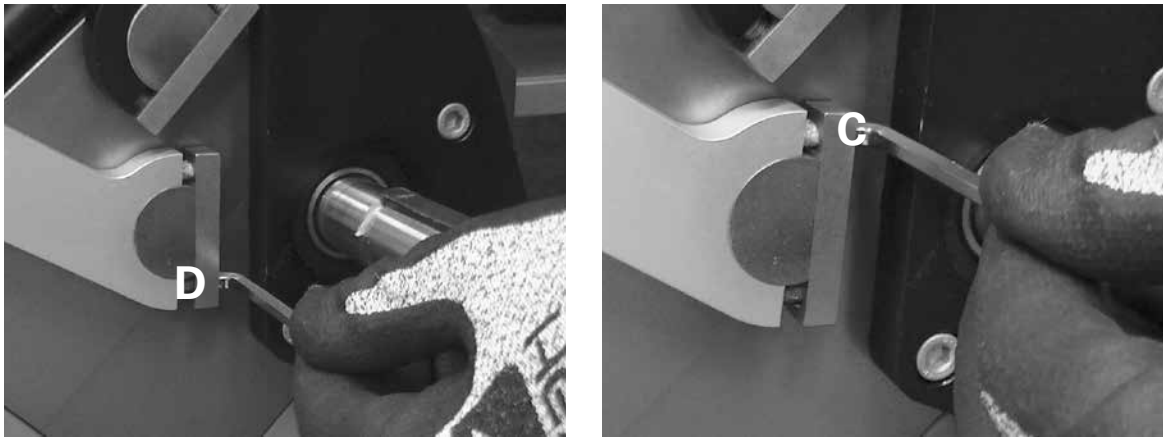
Position and lock adjusting handle so that adjusting screws are accessible.

The purpose of the adjustment is to turn the eccentric shaft. It is important to turn, for both A and B, a recommended one quarter turn or less prior to rechecking with shims.

F15 For increasing the clearance between the blade and the lower traction roller: using a 5 mm hex key to engage screws, loosen screw C counterclockwise one quarter turn and tighten screw D clockwise one quarter turn or until moderately tight.

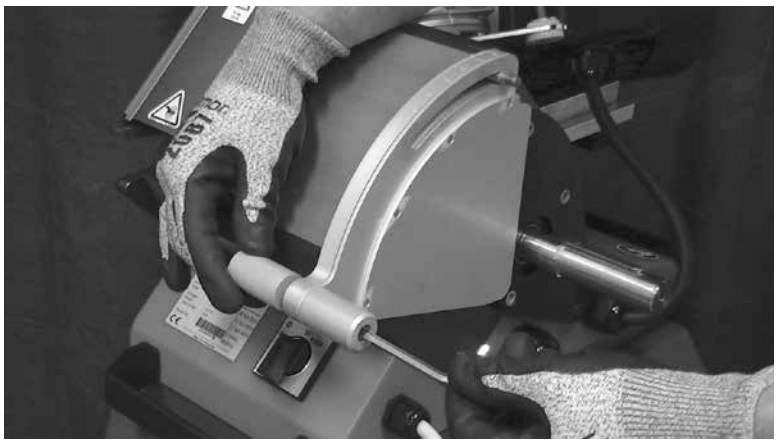


F16 To decrease the clearance between the blade and the lower traction roller: loosen screw D counter-clockwise one quarter of a turn and tighten screw C clockwise one quarter turn or until moderately tight.



F17 Lock the adjusting handle back to 0. Check for clearance between the blade and lower traction roller by inserting the clearance shims. There should be little resistance as the operator slides the white shim between the blade and the lower traction roller and the black shim should not pass through between the blade and the lower traction roller. Repeat steps F14-F17 as necessary.

F18

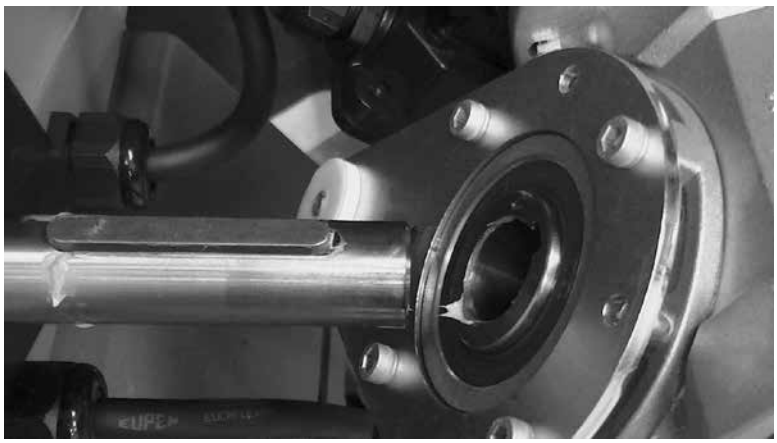


Once adjustments have been made, reinstall the guard plate. Start by reinstalling the handle.

F19

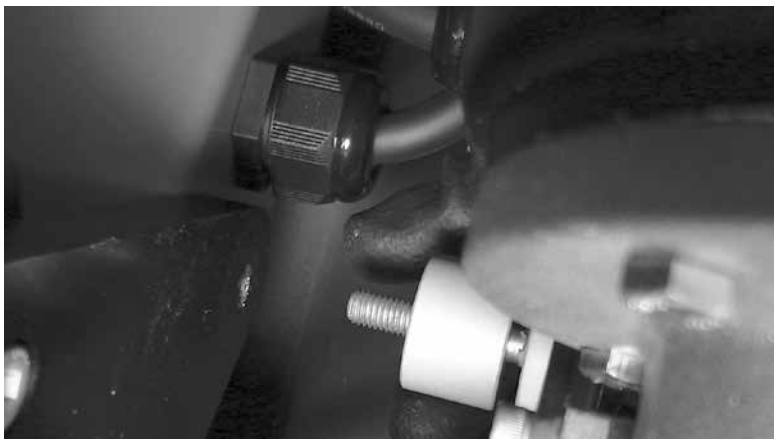
Then reinstall the clamp nut.

F20

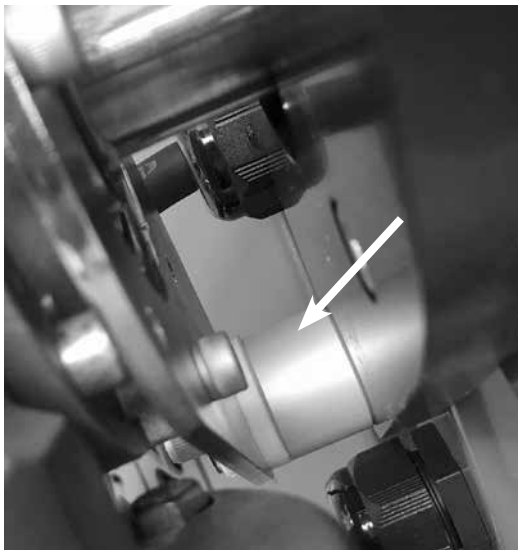


Reinstall motor. Align shaft key with key slot.

F21



Reassemble the motor to the frame placing the spacer between the motor torque arm and ply base. Insert 8 mm hex bolt with washer and tighten.



F22

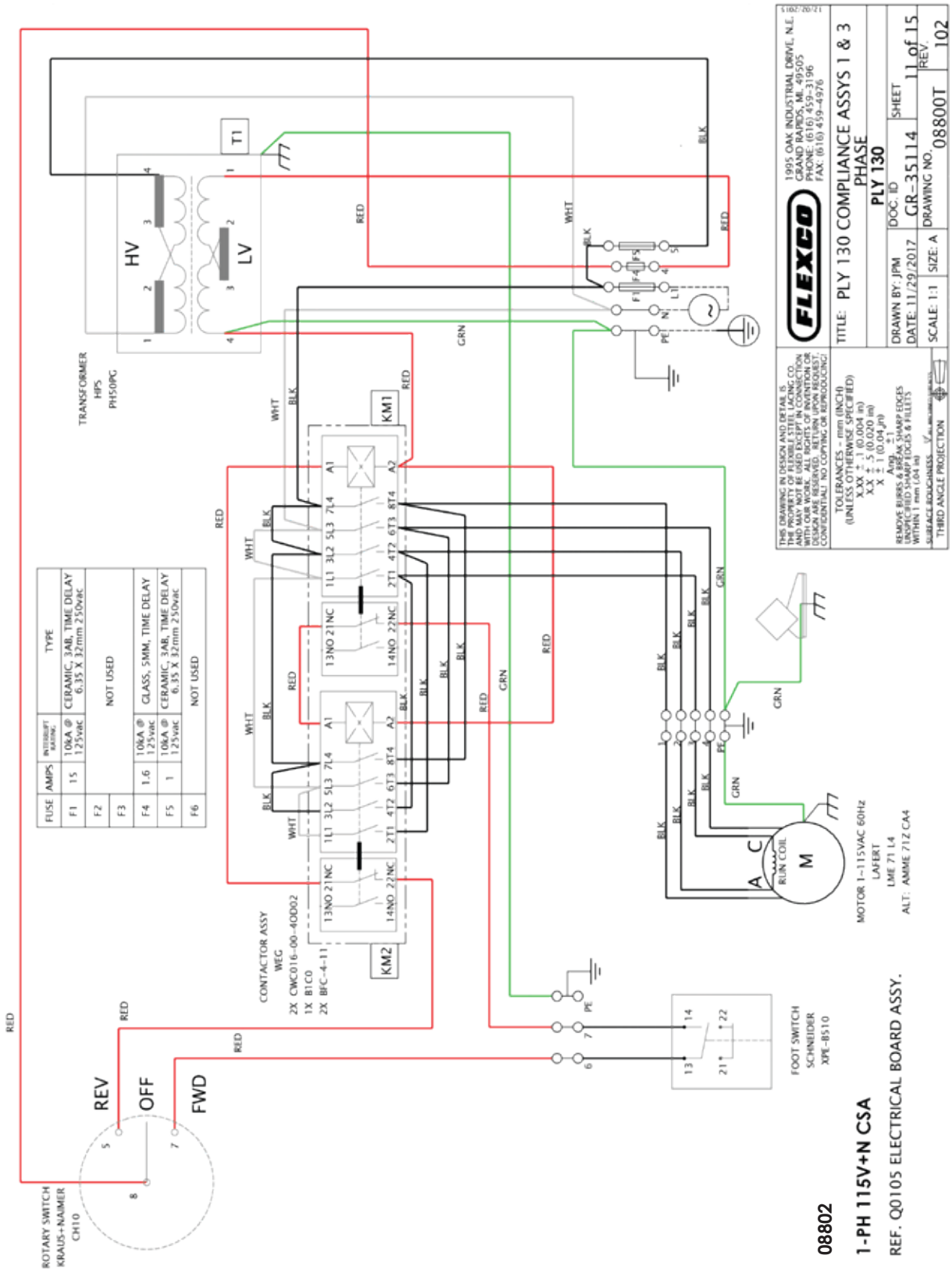
Note: Ensure rubber grommet is in place prior to reassembly.

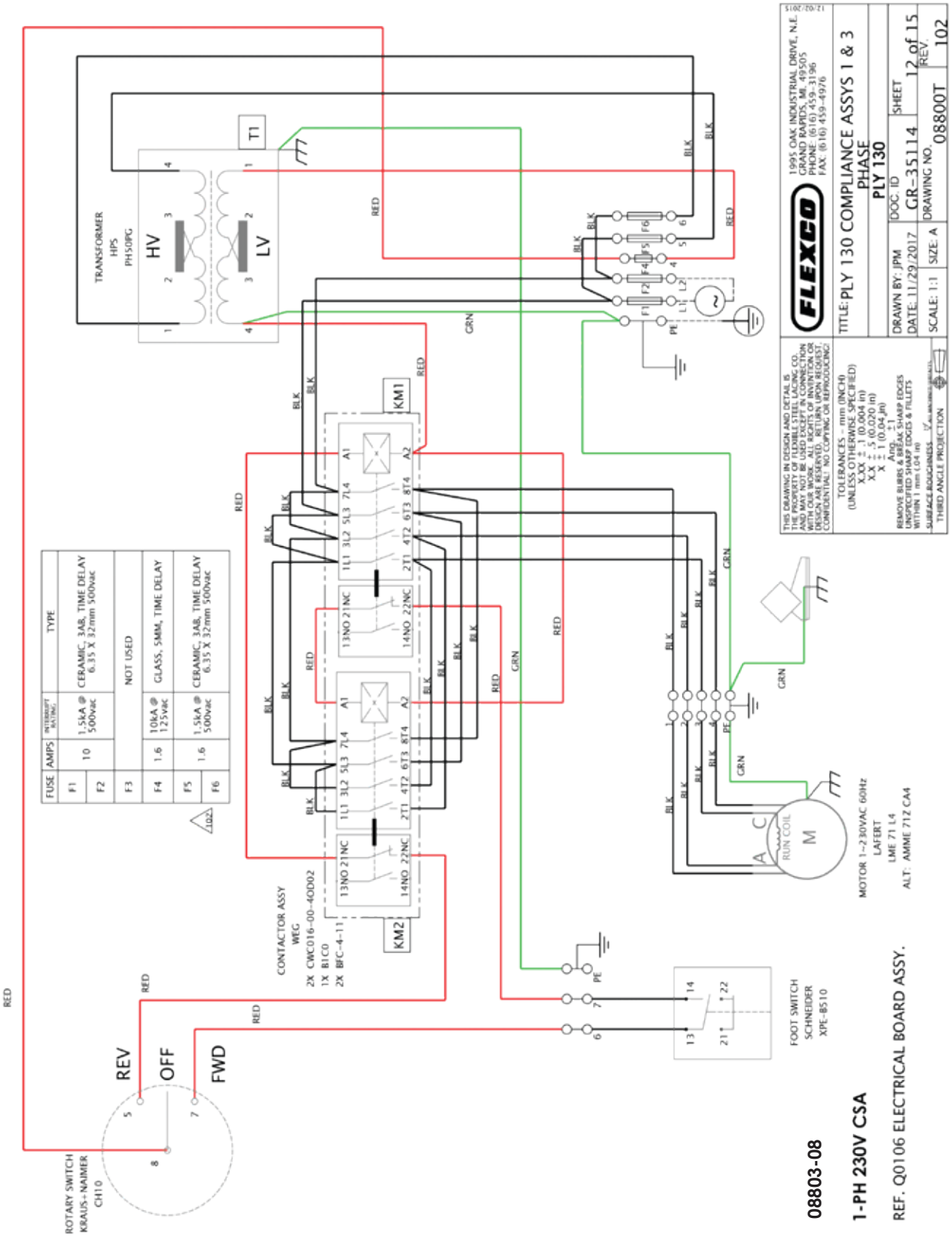
Parts Lists

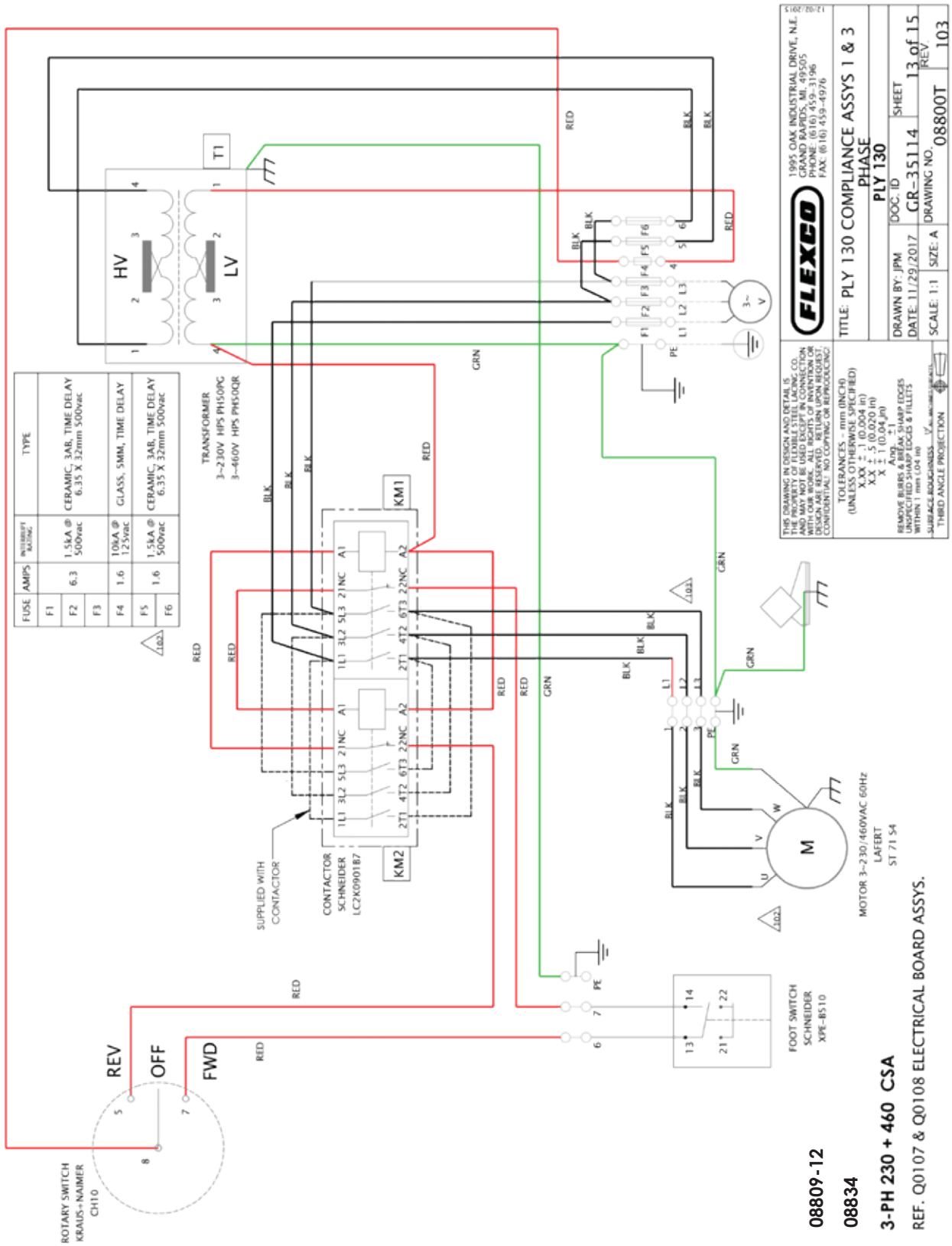
Ply 130™ Ordering Information	
Item Code	**Ordering Number**
08014	PLY-BL-BLADE-&-JIG-KIT
08490	PLY130-BLADE
08823	FUSE-GLASS-1.6-AMP
08824	FUSE-6.3-AMP
08826	SELECTOR-SWITCH-CH10
08831	PLY-FOOT-SWITCH
08846	FUSE-SIBA-189140-1.6-AMP
08836	FUSE-1.0-AMP
08837	FUSE-10-AMP
08838	FUSE-15-AMP
08839	TRANSFORMER-PLY130-115/230-24
08840	TRANSFORMER-PLY130-230/460-24
08841	REVERSE-CONTACTOR-KIT-1PH

Ply 130™ Step Cutter Ordering Information			
Low Volume		**High Volume**	
Ordering Number	**Item Code**	**Ordering Number**	**Item Code**
PLY130-STEPCUT-RETROFIT	08499	PLY130-SNGL-STEPCUT-BLADE-KIT	08778
PLY130-STEPCUT	08501	PLY130-SNGL-STEPCUT-BLADE	08791
Optional Items			
PLY130-STEPCUT-BLADES (5)	08497		
PLY130-STEPCUT-GUIDE-EXT	08498		
PLY130-STEPCUT-TWRENCH	08500		

Electrical Schematics




FLEXCO
1995 OAK INDUSTRIAL DRIVE, N.E.
GRAND RAPIDS, MI. 49505
PHONE: (616) 459-3196
FAX: (616) 459-4976
TITLE: PLY 130 COMPLIANCE ASSYS 1 & 3 PHASE
PLY 130
DRAWN BY: JPM
DOC. ID
GR-35114
SHEET
12 of 15
DATE: 11/29/2017
SCALE: 1:1
SIZE: A
DRAWING NO.
08800T
REV.
102
THIRD ANGLE PROJECTION
TOLERANCES - mm (INCH)
(UNLESS OTHERWISE SPECIFIED)
X.XX ± .1 (0.004 in)
X.X ± .5 (0.020 in)
X ± 1 (0.04 in)
Ang. ± 1°
REMOVE BURR AND BREAK SHARP EDGES
UNSPECIFIED SHARP EDGES & FILLETS
WITHIN 1 mm (.04 in)
SURFACE ROUGHNESS
TRANSFORMER
HPS
PHSOPG
HV
LV
T1
FUSE
AMPS
TYPE
F1
10
CERAMIC, 3AB, TIME DELAY
6.35 X 32mm 500vac
F2
NOT USED
F3
F4
1.6
10kA @ 125vac
GLASS, 5MM, TIME DELAY
F5
1.6
1.5kA @ 500vac
CERAMIC, 3AB, TIME DELAY
6.35 X 32mm 500vac
F6
KM1
KM2
CONTACTOR ASSY
WEG
2X CWC016-00-40D02
1X B1C0
2X BFC-4-11
ROTARY SWITCH
KRAUS+NAIMER
CH10
REV
OFF
FWD
FOOT SWITCH
SCHNEIDER
XPE-8510
MOTOR 1~2 230VAC 60Hz
LAFERT
LME 71 L4
ALT: AMME 71Z CA4
RUN COIL
08803-08
1-PH 230V CSA
REF. Q0106 ELECTRICAL BOARD ASSY.
RED
BLK
GRN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SIZE: A
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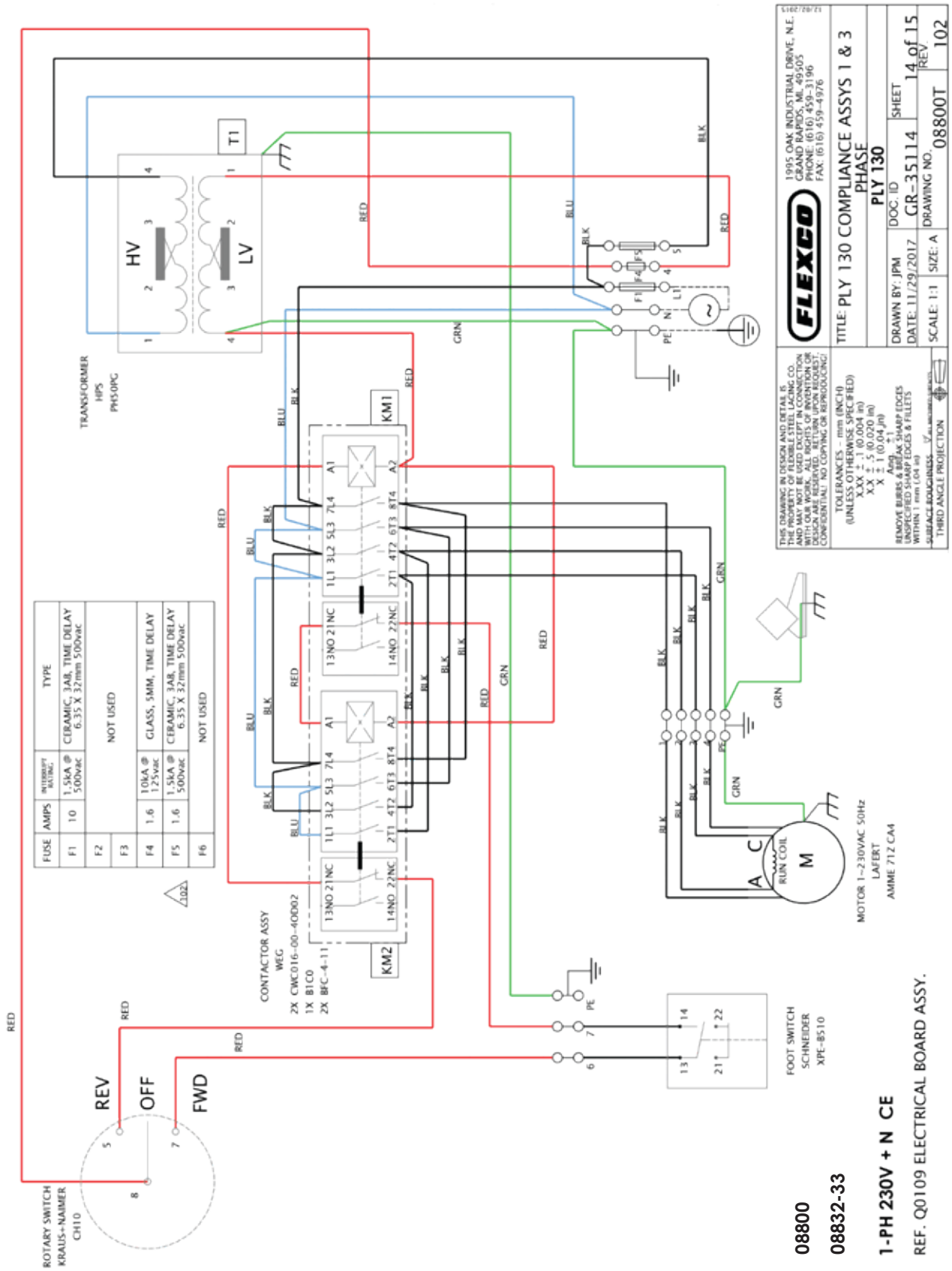
REV. 103
FUSE AMPS TYPE
F1
F2 6.3 CERAMIC, 3AB, TIME DELAY 6.35 X 32mm 500vac
F3
F4 1.6 GLASS, 5MM, TIME DELAY
F5 1.6 CERAMIC, 3AB, TIME DELAY 6.35 X 32mm 500vac
F6
TRANSFORMER
3~230V HPS PH50PG
3~460V HPS PH50QR
T1
HV
LV
KM1
KM2
CONTACTOR
SCHNEIDER
LC2K09018?
SUPPLIED WITH CONTACTOR
M
MOTOR 3~230/460VAC 60Hz
LAFERT
ST 71 54
FOOT SWITCH
SCHNEIDER
XPE-B510
ROTARY SWITCH
KRAUS+NAIMER
CH10
REV
OFF
FWD
08809-12
08834
3-PH 230 + 460 CSA
REF. Q0107 & Q0108 ELECTRICAL BOARD ASSYS.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THIRD ANGLE PROJECTION
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REMOVE BURRS & BREAK SHARP EDGES
UNSPECIFIED SHARP EDGES & FILLETS
SURFACE ROUGHNESS
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TRANSFORMER
HPS
PH50PG
T1
HV
LV
FUSE
AMPS
INTERRUPT RATING
TYPE
F1
10
1.5kA @ 500vac
CERAMIC, 3AB, TIME DELAY 6.35 X 32mm 500vac
F2
F3
NOT USED
F4
1.6
10kA @ 125vac
GLASS, 5MM, TIME DELAY
F5
1.6
1.5kA @ 500vac
CERAMIC, 3AB, TIME DELAY 6.35 X 32mm 500vac
F6
NOT USED
Z002
CONTACTOR ASSY
WEG
2X CWC016-00-40D02
1X B1C0
2X BFC-4-11
KM1
KM2
13NO 21NC
14NO 22NC
1L1 3L2 5L3 7L4
2T1 4T2 6T3 8T4
A1
A2
RUN COIL
M
MOTOR 1~230VAC 50Hz
LAFERT
AMME 71Z CA4
FOOT SWITCH
SCHNEIDER
XPE-B510
ROTARY SWITCH
KRAUS+NAIMER
CH10
REV
OFF
FWD
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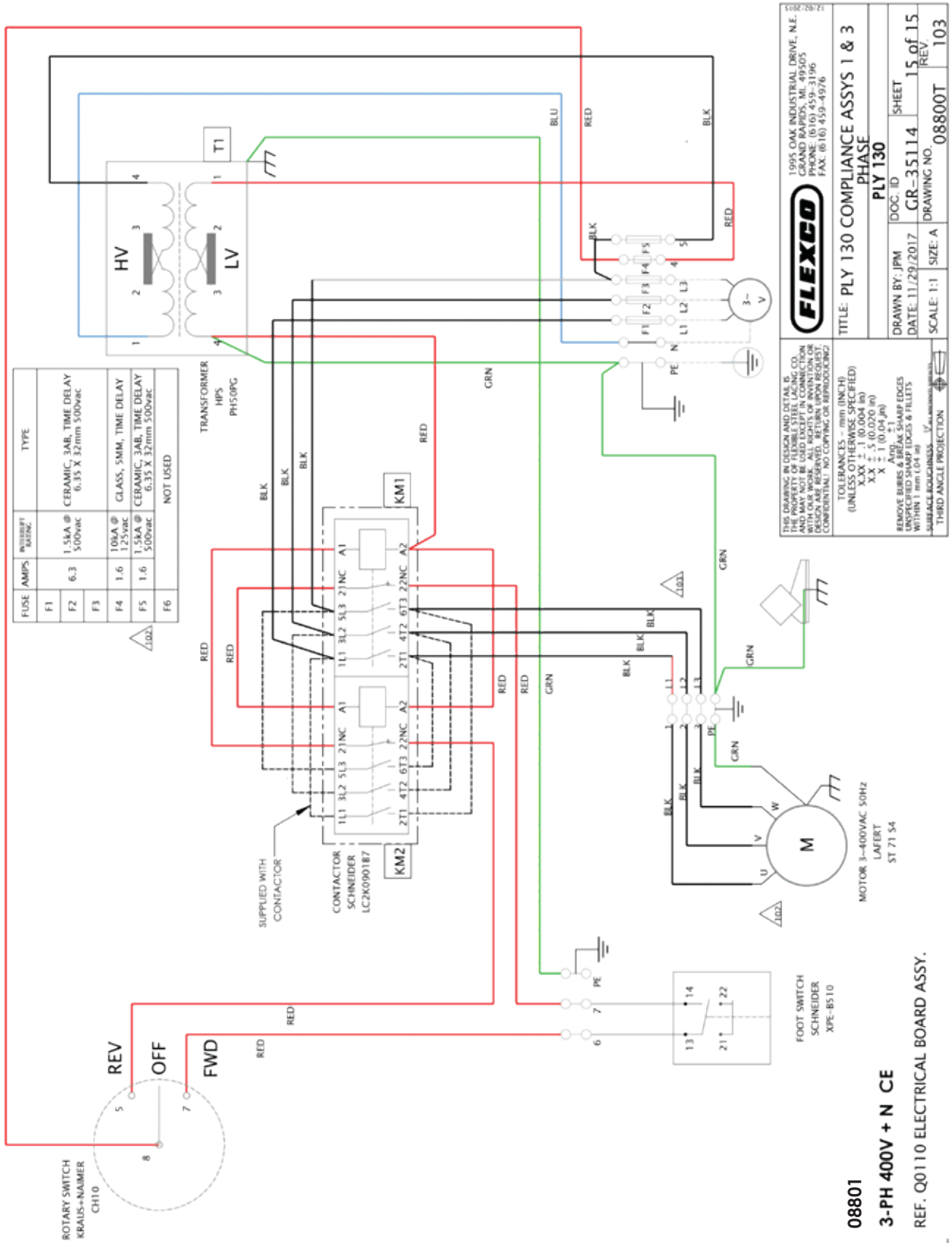
1-PH 230V + N CE
REF. Q0109 ELECTRICAL BOARD ASSY.


FUSE
AMPS
TYPE
F1
F2
6.3
CERAMIC, 3AB, TIME DELAY 6.35 X 32mm 500vac
F3
F4
1.6
CLASS, 5MM, TIME DELAY
F5
CERAMIC, 3AB, TIME DELAY 6.35 X 32mm 500vac
F6
NOT USED
TRANSFORMER HPS PH150PG
HV
LV
T1
KM1
KM2
CONTACTOR SCHNEIDER LC2K090187
SUPPLIED WITH CONTACTOR
ROTARY SWITCH KRAUS+NAIMER CH10
REV
OFF
FWD
FOOT SWITCH SCHNEIDER XPE-B510
MOTOR 3~400VAC 50Hz LAFERT ST 71 S4
M
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DATE: 11/29/2017
SCALE: 1:1
SIZE: A
DRAWING NO.
08800T
REV.
103
08801
3-PH 400V + N CE
REF. Q0110 ELECTRICAL BOARD ASSY.

Technical Assistance

Contact Flexco's Customer Service if technical assistance or repair is needed: www.flexco.com

WEEE

Flexco takes WEEE compliance very seriously. This equipment is intended to be repairable in foreseeable circumstances. Should product disposal be required, contact Flexco Europe at 011-49-7428-9406-0 or Flexco UK at 011-44-1274-600-942.

Declarations

EU DECLARATION OF CONFORMITY

Product: Ply 130 WB Ply Separator

Manufacturer: Flexible Steel Lacing Co. (Flexco)
1995 Oak Industrial Dr. NE
Grand Rapids, Michigan 49505

European office: Flexco Europe
Leidringer Strasse 40-42
D-72348, Rosenfeld Germany
Telephone 49-7428-9406-0

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of this declaration:

Ply 130 (WB) models
1 phase 230V+N
3 phase 400V+N
Other colors apply.

The object of the declaration described above is in conformity with the relevant Union harmonization legislation.

Conforms to European Directives:

2006/42/EC	**Machinery Directive**
2014/30/EU	**Electromagnetic Compatibility Directive**
2011/65/EU	**RoHS Directive**

Harmonized Standards and Technical Specifications applied:

ISO 12100:2010	Safety of machinery—General principle for design—Risk assessment and risk reduction
IEC 60204-1:2005/A1:2008	Safety of machinery—Electrical equipment of machines—Part 1
EN 61000-6-2:2005	Electromagnetic Compatibility (EMC)—Part 6-2: Generic standards—Immunity for industrial environments
EN 61000-6-4:2007/A1:2011	Electromagnetic Compatibility (EMC)—Part 6-4: Generic standards—Emission standard for industrial environments
EN 61000-3-2:2014	Electromagnetic Compatibility (EMC)—Part 3-2: Limits-Limits for harmonic current emissions (equipment input current <= 16 A per phase)
EN 61000-3-3:2013	Electromagnetic Compatibility (EMC)—Part 3-3: Limits-Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection.
EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

Signed for and on behalf of: Flexible Steel Lacing Company (Flexco)

Thomas S. Wujek, Executive VP & COO

14 March 2018
Date

New Door No. 51 • Anna Salai, Nagalkeni • Pammal Village • Chennai - 600 044 • Tamil Nadu • India
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