

# Novitool® Amigo™ Splice Press

## Return Side Splicing

### Instructions

The Amigo™ is designed to cut and splice, thermoplastic homogeneous (monolithic) conveyor belts. Belt ends are prepared for splicing using the integrated belt cutter. Interchangeable templates ensure accurate cut length and pitch of positive drive belts. Preheating belt ends inside enclosed guarded heat zone ensures quality repeatable splices at a wide range of ambient temperatures. The integrated contactless heating allows for controlled melt depth of belt ends.

The Return Side splicing kit includes components to enable splicing with the Amigo splice press on the return side of a conveyor.

Amigo™ Return Side Kits	
ITEM CODE	ORDERING NUMBER
107322	AMIGO-1000-RETURN-SIDE-KIT
107323	AMIGO-625-RETURN-SIDE-KIT
107321	AMIGO-RS-GUARD-ADAPTER-KIT*

\*Contact Flexco Customer Service with your Amigo Serial Number to determine if this kit is required.

Amigo Return Side is not compatible with the following belt templates: 08710, 08776, 08847, 09736, 09737, 09739

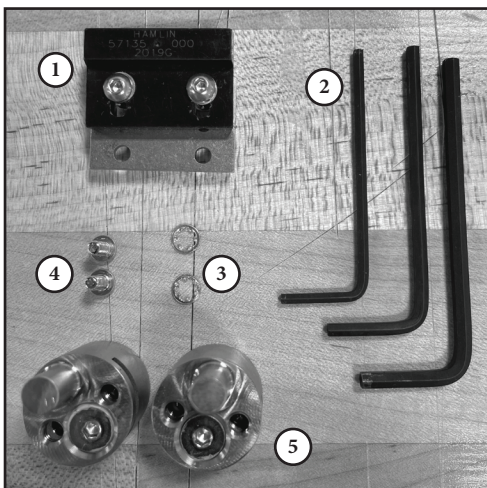
Replacement Kits	
ITEM CODE	ORDERING NUMBER
107324	AMIGO-1000-RS-FLAT-TMPLT
107325	AMIGO-625-RS-FLAT-TMPLT
107164	AMIGO-625-RS-CLAMPBAR
107183	AMIGO-1000-RS-CLAMPBAR

## IMPORTANT

### Initial Setup - Heat Shield Guard Adapter & Magnet Installation

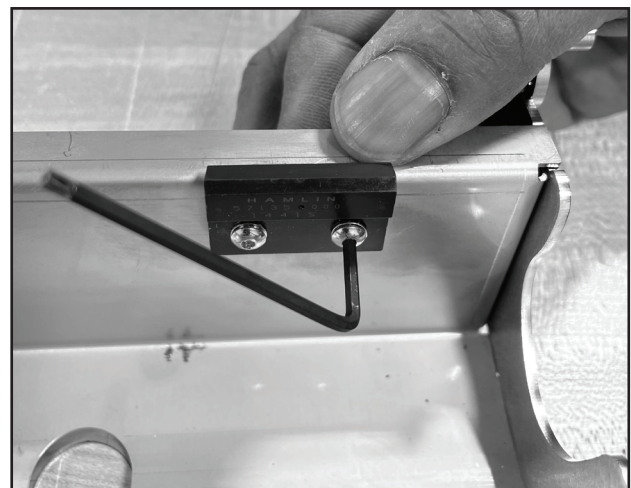
(107321—AMIGO-RS-GUARD-ADAPTER-KIT)

If your Amigo Guard presently possess the magnet extension shown in the Heat Shield Guard Adapter Kit 1, proceed to “Return Side Operation Instructions”, no guard modification is required.



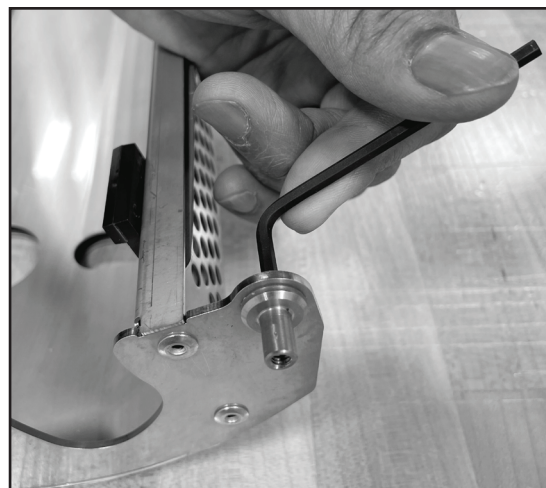
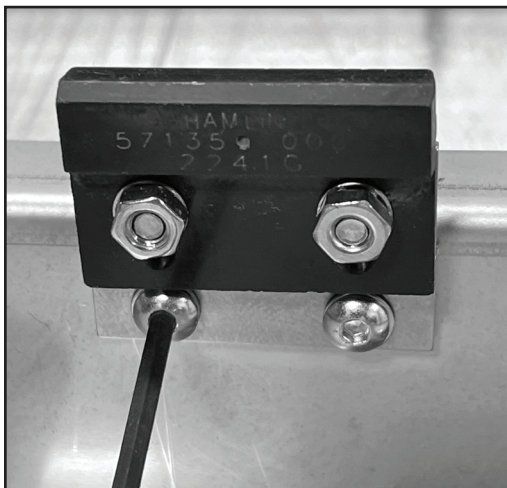
**Heat Shield Guard Adapter Kit contents.**

1. Magnet/Extension Plate
2. 2 mm, 2.5 mm, 3 mm hex keys
3. Tooth lock washers
4. M3 button head screws
5. Pivot pin adapters w/ M3 Flush Head screws and pre-installed Set Screws



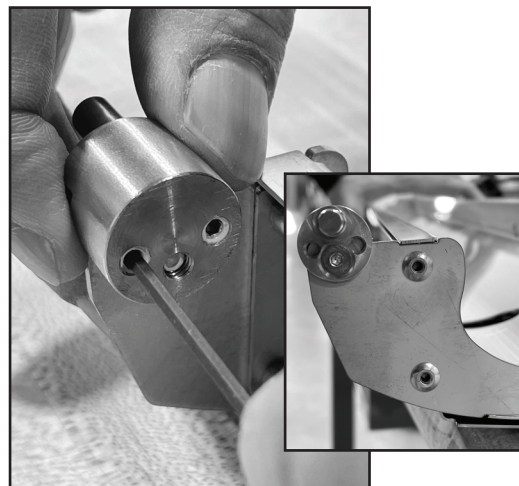
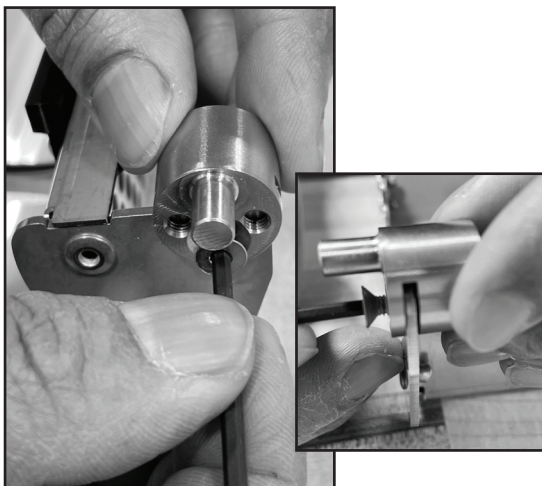
- 1a. First, replace the magnet. Using the 2 mm hex key, remove the two fasteners that secure the magnet to rear of the heat shield guard. Discard the magnet and fasteners.

## Novitool® Amigo™ Splice Press Return Side Splicing



- 1b. From the Heat Shield Guard Adapter Kit, install the magnet/extension plate subassembly using the 2 M3 button head screws and 2 internal tooth lock washers as shown. Tighten with the 2mm hex key.

2. Using the included 3 mm hex key, remove the current pivot pins on both sides of heat shield guard and discard fastener and pivot pin. **Note:** If pin spins, hold in place with pliers.



- 3a. On new pivot pin adapter, using the included 2.5 mm hex key, remove the single flush head screw from the adapter. Slide adaptor onto guard edge securing the flush head fastener.

- 3b. On the inner side of the adapter using the 2 mm hex key, and with the adapter post still oriented at the highest (12 o'clock) position, tighten the two set screws (set screws are supplied installed in the adapter).
- 3c. Repeat this process on the opposite end of the heat shield guard.

# Novitool® Amigo™ Splice Press Return Side Splicing



4. Install the heat shield guard and ensure the magnetic engagements are secure and seated. Rotate the actuator lever to move the emitter to the raised position.

**Note:** There should be a slight gap between the heat shield guard and the belt.

The RST indication on the timer will remain lit unless the heat shield guard is correctly installed and emitter is in the raised position. If the RST indicator is still lit after the heat shield guard is correctly installed and the emitter is in the raised position, adjust the fasteners on the magnetic extension plate on the heat shield guard.

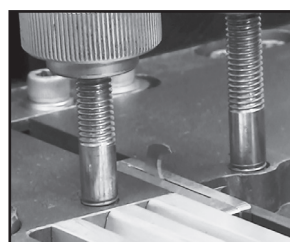
## Return Side Operation Instructions

The Amigo™ is designed to be easily used by your on-site personnel.

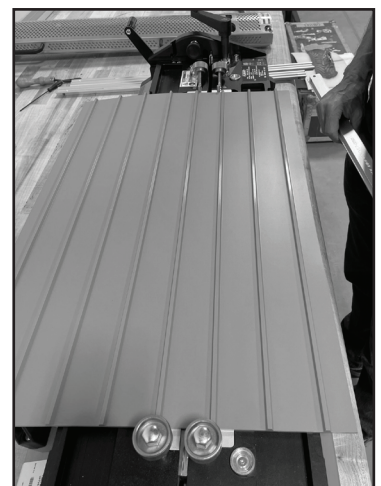


1. Insert both of the RS-FLAT-TMPLTs into platens (flat wide templates with dowel pins at each end).

**Note:** Friction tape is applied to keep the belt in position.

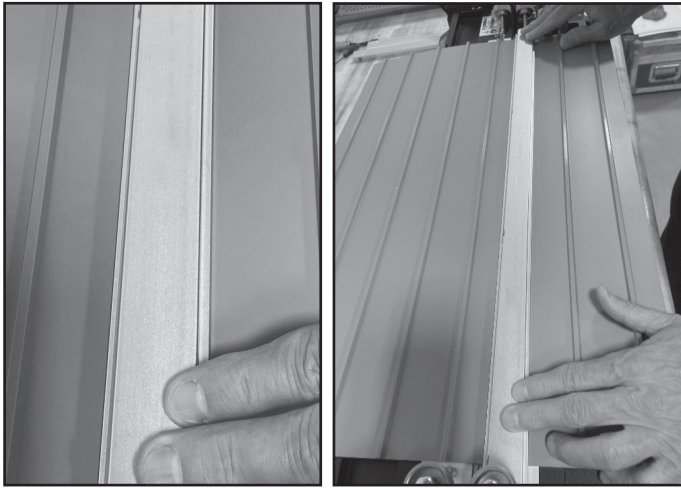


- 2a. Rotate actuating lever to the cut/load position and rotate locking pin into locked position.
- 2b. Engage the cutter crank and drive cutter blade to opposite end of press from controls.
- 2c. Position the belt with the positive drive lugs facing up.



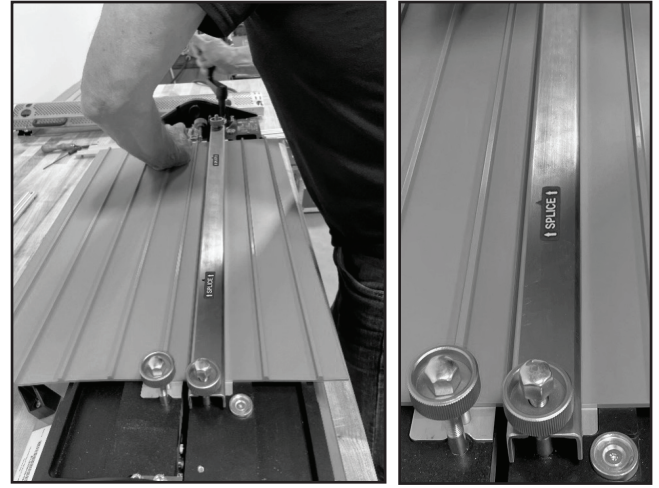


# Novitool® Amigo™ Splice Press Return Side Splicing



3. Position the belt template inverted to cover the positive drive lugs. Insert the belt template engaging the slotted hole over the smaller pin first and then drop the opposite end over the larger pin.

**Note:** Ensure the proper template drive lug grooves are engaged with the belt lugs.



- 4a. Position the return side clamp bar over the belt template with the splice arrow decals pointing towards direction of action to be executed (cutting or splicing) and tighten clamp thumb nuts. For operator safety during cutting process, engage the second clamp bar and loosely tighten clamp thumb nuts.
- 4b. Using the cutter crank, draw the cutting blade towards the blade housing, to create a straight belt edge at the proper pitch position.



- 5a. Repeat the process of cutting the opposite belt edge to achieve another straight belt edge and leave this belt clamped in position after cutting.
- 5b. Load the other prepared belt with the positive drive lugs facing up.
- 5c. Position the belt template inverted covering, and properly engaging, the positive drive lugs.



- 6a. Position the clamp bar over the belt template with the splice arrow decals pointing towards the direction of the action to be executed (cutting or splicing) and tighten the clamp thumb nuts.
- 6b. As per the standard splicing process, pull out and rotate the cutter locking pin to release it from the locked position and rotate the actuating lever to ensure the belt edges are uniformly engaged.
- 6c. Use the 2mm ball driver to determine by feel that both edges are aligned vertically.
- 6d. Follow standard Amigo splice press procedures for remaining steps.

For full instructions refer to the Amigo™ Safety and Operation Manual X3412.

Visit [www.flexco.com](http://www.flexco.com) for other Flexco locations and products, or to find an authorized distributor.