



A Division of D&D Products, Inc.

## Service Bulletin

Reference # 2012-004

### Subject: DYNATEK® ARTICULATED LOADER OPERATION OVERVIEW

DYNATEK Articulated Loading Systems are designed to load dry bulk products into hopper rail cars, hopper trucks and barges. The operator uses control panel switches or a pendant to drive the loader to the desired hopper inlet or discharge point, positions the dust spout (when used) and activates the loading arms and supply conveyors to start the loading process.

### Warning!

DYNATEK Articulated loading Systems operate using a 3-phase 480-volt electrical service. Before operating the loader, make sure that electric cables are not pinched or tangled in any of the machinery.

### SAFETY:

- ✓ A hard-hat, safety glasses and protective gloves are strongly recommended when working around heavy machinery.
- ✓ Make sure that all equipment used for this installation is in proper working condition before putting it into service.
- ✓ Review and comply with all company and site-specific safety protocols.

### To Operate The Loading System:

Control Panel Switches:

- 1<sup>st</sup> Loading Arm Left/Right
- 2<sup>nd</sup> Loading Arm Left/Right
- Dust Spout Up/Down (if applicable)
- 1<sup>st</sup> Loading Arm Start/Stop
- 2<sup>nd</sup> Loading Arm Start/Stop
- Supply Conveyor Start/Stop
- Dust Spout Blower On/Off (if applicable)

1. Turn on the power at the main control panel. (Note Pilot Light)
2. Using the 1<sup>st</sup> and 2<sup>nd</sup> loading arm Left/Right switches, move either or both loading arms until the discharge point of the loader is positioned precisely over the proper enclosed transport vehicle inlet or open hopper area.
3. Lower the dust spout.
4. Turn on the dust spout blower
5. Start loading arm #2 conveyor.
6. Start loading arm #1 conveyor
7. Start the loader supply conveyor to load product into the transport vehicle.
8. Monitor the loading process and turn off the loader supply conveyor when it is time to reposition the loader.
9. Raise or retract the dust spout
10. Reposition the loader over another hopper inlet.
11. Lower the dust spout
12. Restart the loader supply conveyor.
13. Repeat sequence until rail car, truck or barge has been completely loaded.
14. When finished, drive the loader to a resting position that is well clear of the path transport vehicles travel entering or leaving the loading area.
15. Turn off power.

**Warning!** Collisions between the loading system and the transport vehicle can cause serious damage as well as safety risks. Always position the loader clear of the area the transport vehicle uses to enter or leave the loading area when loading is not in process.

**Note:** If you have questions or need further assistance, please contact Clay Alexander at [claya@dynatekloadingsystems.com](mailto:claya@dynatekloadingsystems.com) or 262.392.2162 Ext. 226