

Compound feed disinfection system comprises a hopper for raw untreated materials, two belt conveyors, two bucket conveyors, and ultraviolet lamps positioned above the belt conveyors. It additionally comprises a hopper for disinfected compound feed, gravity chutes, and a swing valve. Each ultraviolet lamp consists of a metal frame to which transverse metal strips are attached, and LED boards with LEDs are mounted on each transverse metal strip. The head of the first bucket conveyor is connected to the loading chute of the raw feed hopper via a gravity chute, the unloading chute of the raw feed hopper is connected to a gravity chute located above the start of the first belt conveyor. The lower part of the second bucket conveyor is connected to a gravity chute located above the end of the first belt conveyor. The head of the second bucket conveyor is connected to a swing valve via a gravity chute, two gravity chutes are connected to the swing valve. The first gravity chute is connected to the loading chute of the disinfection feed hopper. The end of the second gravity chute is located above the start of the second belt conveyor. The loading chute of the hopper for untreated compound feed is connected to a gravity chute, the end of which is located below the end of the second belt conveyor. The unloading chute of the hopper for decontaminated compound feed is connected to a gravity chute for removing the decontaminated compound feed from the system.