



# JDV SUBMERGED GRIT SCREW CONVEYOR

The **JDV Submerged Grit Screw Conveyor** is a proven design to reliably transport grit. Grit includes sand, gravel, cinder, and other solid materials that can negatively affect downstream plant processes. Removing grit prevents unnecessary abrasion and wear of plant equipment, grit in pipes and channels, and grit settling in anaerobic digesters and aeration basins.

The submerged grit conveyor horizontally moves the grit in a trough or channel to a sump, where it is then typically transported to another location via conveyor, pump, bucket elevator or other means. The grit slurry removed from the chamber is usually washed with a cyclone and/or grit classifier to remove free water and organic material. The grit is then conveyed to a truck, dumpster, or storage hopper for disposal.

JDV offers submerged grit screws in both shafted, shaftless designs and include variety of drive options including direct, chain or hydraulic driven systems.

## Features

- Concrete or SS Trough Design
- Capacities: 200 ft<sup>3</sup>/hr+
- Material Density: 110 lbs/ft<sup>3</sup>+
- Multiple Drive Options
- Wear Bar Liners

## Benefits

- Design Flexibility
- Lower Total Cost of Ownership (TCO)

Contact us today to learn more!  
[www.jdvequipment.com](http://www.jdvequipment.com)



# WE ARE THE LEADING MANUFACTURER

JDV Equipment Corporation is a leading manufacturer and provider of safe, environmentally friendly processing equipment and services for water treatment, wastewater treatment, industrial and agricultural applications.

## Pricing

Pricing varies depending on length, capacity, drive type and spiral type. Quotations are provided within 48 hours of request when accompanied by minimum required specification data.

Minimum specification data required in order to provide a quote:

- ▶ Volume Flow Rate (ft<sup>3</sup>/hr)
- ▶ Length of Conveyor
- ▶ Trough Material (304SS, 316SS, Concrete)

## Options & Accessories

Drive Types – Direct, Hydraulic, Chain  
Transport Spiral – Shaftless, Shafted  
Trough Material – 304SS, 316SS, Concrete\*  
Remote H-O-A and Emergency Power Off  
Control Panel for integration into central  
control system (SCADA)

*\*Concrete troughs provided by others*

