

# OR-TEC SHAFTLESS SCREW AUGER

## *Inclined, Vertical, Horizontal and Reversing*

The OR-TEC OSA Shaftless Screw Auger is ideal for transporting dewatered sludge, screenings, solid waste and other difficult to convey materials. It is suitable for inclined, vertical and horizontal installation. The units are available with reversing screws and knife-gate valves to allow for multiple discharge points. This helps ensure even and safe loading of disposal containers or vehicles



### Construction material

Stainless Steel AISI 304 or AISI 316

The screw can be constructed of AISI 304 or AISI 316 stainless steel or epoxy coated hardened carbon steel

### Features

- Shaftless screw conveyor without intermediate bearings which can cause blockages
- No mechanical parts directly in contact with the products to convey
- Low maintenance
- Low Capital Cost

### Applications

- Sludge Cake
- Food Processing and Packaging
- Paper Mills
- Industrial Materials

### Capacity:

Up to 65 cubic yard per hour depending on model, size and conveyed product

### Screw Diameter Availability:

6" to 24"

### Inclined Angle:

0 deg to Vertical

### Length:

Up to 130' in one section

### Model:

Horizontal & Inclined: OSA

Vertical: OSA-V

14500 Industrial Ave. South  
Maple Heights, OH 44137  
P: 216-475-5225  
F: 216-475-5229  
info@or-tec.com

[or-tec.com](http://or-tec.com)



# OR-TEC SCREW AUGER



Construction: Stainless Steel  
Screw: Stainless Steel or coated micro alloy carbon steel  
Length: Per Application  
Supports: Stainless Steel  
Feature: Cantilevered Discharge

DIAMETER	PRODUCT	ANGLE	SCREW	LENGTH	CAPACITY	HORSEPOWER	SPEED
6"	Sludge Cake	0°-15°	Regular	60'	52 cu ft hr	0.75	29 rpm
6"	Sludge Cake	15°-30°	Reinforced	60'	28 cu ft hr	1.0	29 rpm
8"	Sludge Cake	0°-15°	Regular	60'	105 cu ft hr	1.0	29 rpm
8"	Sludge Cake	15°-30°	Reinforced	60'	60 cu ft hr	1.0	29 rpm
10"	Sludge Cake	0°-15°	Regular	60'	245 cu ft hr	2	29 rpm
10"	Sludge Cake	15°-30°	Reinforced	60'	136 cu ft hr	2	29 rpm
12"	Sludge Cake	0°-15°	Regular	80'	385 cu ft hr	3	29 rpm
12"	Sludge Cake	15°-30°	Reinforced	80'	210 cu ft hr	3	29 rpm
16"	Sludge Cake	0°-15°	Regular	100'	805 cu ft hr	4	29 rpm
16"	Sludge Cake	15°-30°	Reinforced	100'	455 cu ft hr	4	29 rpm
20"	Sludge Cake	0°-15°	Regular	120'	1575 cu ft hr	7.5	29 rpm
20"	Sludge Cake	15°-30°	Reinforced	120'	910 cu ft hr	7.5	29 rpm

**or-tec.com**