

Model Catalog



Royer Industries, Inc.

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ROYERTM
INDUSTRIES, INC.



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Congratulations! On your decision to further research Royer Dirt Shredders. Since 1921, we have been the premier manufacturer of dirt shredders, mixers and blenders in the industry. Our Royer name is backed by many years of dedicated service and ingenuity.

As you review the information sheets that follow on our entire line of machines, keep in mind that our machines are used around the world, in some of the harshest environments known to machine. We pride ourselves on quality that is backed by professional customer support.

To view our machines in action, view our videos at <http://www.royerInd.com/videos.htm> or contact our corporate office at (920) 688-2999 and we will work with you to locate a machine in the field that you can see used first hand by one of our satisfied customers.

We are always happy to answer any questions you may have about our machines, or the work they can do! You can reach us toll free at (800) 881-3318 or email royer@royerInd.com.

Sincerely,

Jim Schiek
Sales & Service

ROYER INDUSTRIES, INC.

Toll-Free: 800 881-3318
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The Model 42 Power Screener combines a vibrating screen deck and an elevated conveyor, both operating from a single power drive. They complete the time-consuming tasks of preparing and truck loading (or stockpiling) soil, sand and top dressing mixtures in a one-step, mechanized operation that greatly reduces preparation costs. Material passing through the screen openings discharge directly onto an inclined conveyor belt that moves the screened material to a high discharge height. The Model 42 Power Screener has a screen surface of over 17 square feet. It is portable and lightweight, making it easy to be moved around on site by hand.

When the Model 42 Power Screener is used in conjunction with a Royer Shredder-Mixer, both top dressing quality and production are improved. The shredder preconditions materials by breaking lumps, removing trash, and mixing the top dressing elements into a homogeneous product prior to final screening, where an extremely fine granulation takes place.

The Model 42 Power Screener is available with gasoline or electric drives.



Available New



Dimensions & Specifications

6' - 4" Height

6' - 3" Width

14' - 11" Length

2' - 0" Loading Height

6' - 4" Discharge Height

Flat screen 17sq.ft.

Hopper Capacity
3' - 2" width x 5' - 6" length

16" Conveyor Belt Width

Gasoline
Electric
Power Plant

7 H.P. (Gasoline)
3 H.P. (Electric)
Horsepower

1,100 lbs. Weight

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The Model 112 is a manually loaded machine with a shredding capacity of up to 12 cubic yards per hour. Utilizing the exclusive **Royeration** process, the 112 is designed for hand-shovel loading. Its compact size and light weight facilitate easy movement around the worksite.



Typical Applications for the 112

- Golf Courses
- Landscape Contractors
- Grounds Maintenance
- Municipalities

Available New

The Model 112 Royer Shredder-Mixer is available with gasoline or electric drives.

Dimensions & Specifications

Manual Loading
44" Height
32" Width
44" Length
3' - 7" Loading Height
3' - 0" Discharge Height
N/A
Shovel Loading
12" Conveyor Belt Width
Gasoline
Electric
5 Horsepower
363 Weight

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The Model 120 is a tractor-loaded shredder-mixer that combines superior technology and mobility into a highly efficient machine. It contains features usually only available in larger, commercial-size models; namely a large receiving hopper for bucket loading, a high speed aeration belt and a 5'-3" discharge for direct truck loading (or stockpiling). Through **Royeration**, the Model 120 combines shredding, mixing, aeration and cleaning into a single continuous action for soil mixes, peat, friable compost, and other organic materials. The result is a very high quality finished product.



**Available New
Reconditioned and/or
Used**

Dimensions & Specifications

Tractor Loading

6' - 3" Height

5' - 3" Width

11' - 4" Length

5' - 0" Loading Height

5' - 3" Discharge Height

3/4 cu. Yd. Hopper Capacity

12" Conveyor Belt Width

Gasoline PTO Power Plant

11 Horsepower

1,100 lbs. Weight



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This new fully hydraulic model 166 is now available in 2012! This machine has been designed to be a high production level machine in a small, compact package. It offers users full control over all belts within the system and also has reversing capabilities on the shredding belt. It is the first step into the high volume machines and is available at low factory direct pricing. It is also available with an optional trash-a-way (overs) conveyor and comes equipped with a Kubota diesel engine.

As with every Royer shredder, your final product is a light, finely processed top dressing suitable for resale or immediate use. Material sizing is easily controlled and changed with a hand operated fence gate. All processing takes place on site, eliminating costly trucking and related expenses.

Introduced In 2011!

Dimensions & Specifications

50cu. yd. / hr. Max Input Processing

8'-0" Height

6'-0" Width

21'4" Length

6'-0" Loading Height

6'-6" Discharge Height

1.50 cu. yd. Hopper Capacity

1 cu. yd. Recommended Loader

Diesel Power Plant

30 Mfr 20 Cont Horsepower

6,000 lbs. Weight



**Available New,
Reconditioned and/or
Used**



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The Model 182 is a tractor-loaded shredder-mixer that combines superior technology and mobility into a highly efficient machine. It contains features usually only available in larger, commercial-size models; namely a large receiving hopper for bucket loading, a high speed aeration belt and a 6'-0" discharge for direct truck loading (or stockpiling). Through **Royeration**, the Model 182 combines shredding, mixing, aeration and cleaning into a single continuous action for soil mixes, peat, friable compost, and other organic materials. The result is a very high quality finished product.

It is the perfect addition for landscape contractors, grounds keepers, cemetery grounds crews, and organic composters.

**Reintroduced
in 2010!!**

Dimensions & Specifications

25cu. yd. / hr. Max Input Processing

7'-4" Height

6'-2" Width

14'-8" Length

6'-0" Loading Height

6'-0" Discharge Height

1.40 cu. yd. Hopper Capacity

1 cu. yd. Recommended Loader

Gasoline Power Plant

18 Mfr / 12 Cont Horsepower

3,000 lbs. Weight



Available New



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The Royer Model 264 is brand new for the 2010 season! Royer Industries has designed this machine to be a more productive unit. A redesigned hopper to eliminate soil build-up and a new hydraulic system are among the changes we have made to create the most revolutionary machine to hit the market since the Royer Model 466!

Organic materials such as topsoil, compost peat, sand and loam are quickly churned and aerated on the shredder belt. This includes higher moisture and clay content material. Thorough mixing and blending is accomplished by utilizing the Royeration process.

Your final product is a light, finely processed top dressing suitable for resale or immediate use. Material sizing is easily controlled and changed with a hand operated fence gate. All processing takes place on site, eliminating costly trucking and related expenses. The Model 264 sets up in minutes and requires only one operator/ loader.

General purpose equipment for topsoil processing and blending for... **topsoil manufacturing, excavating companies, municipalities.**



Introduced in 2010!

Available New



Dimensions & Specifications

75 cu. yd. / hr. Max Input Processing

9' - 9" Height

8' - 4" Width

16' Length

6' - 10" Loading Height

8' - 3" Discharge Height

3.50 cu. yd. Hopper Capacity

2 cu. yd. Recommended Loader

Diesel Power Plant

48 Mfr / 42 Cont Horsepower

6,000 lbs. Weight

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The Model 300 is ideal for the medium-scale applications combining throughput capacity and small size into one package. The 2.34 cubic yard hopper capacity is processed by the shredder belt driven by a 55 horsepower system.

Organic materials such as topsoil, compost peat, sand and loam are quickly churned and aerated on the shredder belt. This includes higher moisture and clay content material. Thorough mixing and blending is accomplished by utilizing the Royeration process (see reverse) by way of a side discharge conveyor.

Your final product is a light, finely processed top dressing suitable for resale or immediate use. Material sizing is easily controlled and changed with a hand operated fence gate. All processing takes place on site, eliminating costly trucking and related expenses. The Model 300 sets up in minutes and requires only one operator/ loader.

General purpose equipment for topsoil processing and blending for... **topsoil manufacturing, excavating companies, municipalities.**



**Available Used and/
or Reconditioned**



Dimensions & Specifications

75 cu. yd. / hr. Max Input Processing

10' - 6½" Height

6' - 6" Width

20' Length

7' - 1" Loading Height

8' - 8" Discharge Height

2.34 cu. yd. Hopper Capacity

2 cu. yd. Recommended Loader

Diesel Power Plant

55 Mfr / 45 Cont Horsepower

6,000 lbs. Weight

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The Model 364 is brand new for the 2011 season. The continued demand for the Royer Model 365 lead us to design the 364 in its image. In our design we had one thing in mind, increase production. To do this we introduced a 42" feed belt and increased the shredding belt area. The Royer 364 is also fitted the newest operating system available on the market. It allows for operators to choose cycle time and remotely operate the system from a loader. We also made wear parts more accessible for easy field changes to keep customers down time to a minimum. It is ideal for the large-scale applications combining throughput capacity and small size into one package. The 5.5 cubic yard hopper capacity is processed by the shredder belt driven by an 89 horsepower system.

Your final product is a light, finely processed top dressing suitable for resale or immediate use. Material sizing is easily controlled and changed with a hand operated fence gate. All processing takes place on site, eliminating costly trucking and related expenses. The Model 364 sets up in minutes and requires only one operator/ loader.



Introduced In 2011!

Available New

Dimensions & Specifications

125 cu. yd. / hr. Max Input Processing

12' - 6" Height

8' Width

26' - 3" Length

7' - 7" Loading Height

10' - 9" Discharge Height

5.5 cu. yd. (heaped) Hopper Capacity

3 cu. yd. Recommended Loader

Diesel Power Plant

89 Mfr / 72 Cont Horsepower

12,000 lbs. Weight



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The Model 365 is ideal for the large-scale applications combining throughput capacity and small size into one package. The 4.4 cubic yard hopper capacity is processed by the shredder belt driven by an 89 horsepower system.

Organic materials such as topsoil, compost peat, sand and loam are quickly churned and aerated on the shredder belt. This includes higher moisture and clay content material. Thorough mixing and blending is accomplished by utilizing the Royeration process (see reverse) by way of a side discharge conveyor.

Your final product is a light, finely processed top dressing suitable for resale or immediate use. Material sizing is easily controlled and changed with a hand operated fence gate. All processing takes place on site, eliminating costly trucking and related expenses. The Model 365 sets up in minutes and requires only one operator/ loader.



**Available Used
and/or
Reconditioned**



Dimensions & Specifications

90 cu. yd. / hr. Max Input Processing

12' Height

8' Width

23' - 6" Length

8' - 2" Loading Height

10' - 5" Discharge Height

4.4 cu. yd. (level) Hopper Capacity

3 cu. yd. Recommended Loader

Diesel Power Plant

89 Mfr / 72 Cont Horsepower

9,200 lbs. Weight

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The Royer 401 is ideal for tractor loading and is perfect for medium and large scale operations. With a maximum input processing capacity of 170 cubic yards per hour, this machine will handle the heaviest demands with ease.

The Royer model 401 is fitted with the newest operating system available. This system allows this machine to be a true one man operation through full operation control from a remote system.

Rely on Royer's professional Parts and Service Department for all of your support needs.



Typical Applications for the 401

- Landscape Contractors
- Municipalities
- Organic Mulch Suppliers
- Golf Courses
- Organic Recycling Companies

**Available Used
and/or
Reconditioned**

Dimensions & Specifications

Tractor Loading
13' - 6" Height
8' - 0" Width
30' - 3" Length
9' - 0" Loading Height
12' - 8" Discharge Height
9.00 cu.yd. Hopper Capacity
5 cu.yd. Recommended Loader
Diesel Power Plant
110 Mfr / 90 Cont Horsepower
21,000 lbs. Weight



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The Royer 466 is ideal for tractor loading and is perfect for medium and large scale operations. With a maximum input processing capacity of 200 cubic yards per hour, this machine will handle the heaviest demands with ease.

The Royer model 466 is fitted with the newest operating system available. This system allows this machine to be a true one man operation through full operation control from a remote system.

Rely on Royer's professional Parts and Service Department for all of your support needs.

Typical Applications for the 466

- Landscape Contractors
- Municipalities
- Organic Mulch Suppliers
- Golf Courses
- Organic Recycling Companies



**Available New,
Used and/or
Reconditioned**

Dimensions & Specifications

Tractor Loading

13' - 6" Height

8' - 0" Width

30' - 3" Length

9' - 0" Loading Height

12' - 8" Discharge Height

9.00 cu.yd. Hopper Capacity

5 cu.yd. Recommended Loader

Diesel Power Plant

110 Mfr Horsepower

21,000 lbs. Weight



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The Royer Model 513H Trommel screen is designed for maximum productivity with minimum downtime. This unit sets up in minutes and is fully transportable without a permit. The exclusive Royer design features make the 513H a must for any medium to high volume producer of topsoil, mulch, compost, and aggregate.

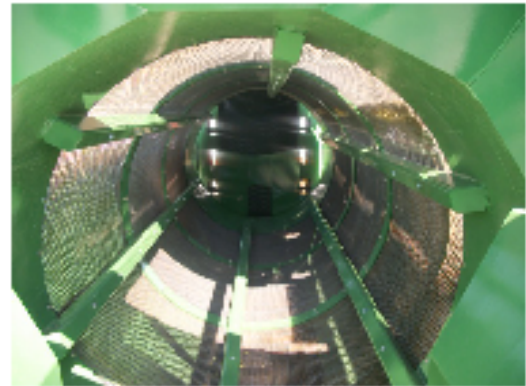
Each 513H comes equipped standard with the Following;

- Variable speed control on all belts and drum
- Drum overload protection
- Remote Control
- Four adjustable hydraulic stabilizing legs
- Air brakes and over-the-road light kit
- Removable hopper extension

Optional Features

- Overs Stacking Conveyor
- Additional Brushes
- Screen Cable Wrap
- Hydraulic Tipping Grizzly

Available New



Dimensions & Specifications

175cu. yd. / hr. Max Input Processing

Up to 18'6" Material Stacking Height

230 cu. yd. / hr. Stock Pile Capacity

3.5 cu. yd. Hopper Capacity

2-3 cu. Yd. Recommended Loader

5' x 13'3" Drum Size

66' Operating Length (with Overs Conveyor)

9'4" Loading Height

35,000 Weight (with Overs Conveyor)

Kubota Diesel Power Plant

90 Horsepower

75 gal Fuel Tank Size

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The Royer Model 620H Trommel screen is designed for maximum productivity with minimum downtime. This unit sets up in minutes and is fully transportable without a permit. The exclusive Royer design features make the 620H a must for any high volume producer of topsoil, mulch, compost, and aggregate. Each 620H comes equipped standard with the following;

- Variable speed control on all belts and drum
- Drum overload protection
- Remote Control
- Four adjustable hydraulic stabilizing legs
- Air brakes and over-the-road light kit
- Removable hopper extension

Optional Features

- Overs Stacking Conveyor
- Additional Brushes
- Screen Cable Wrap
- Hydraulic Tipping Grizzly



Available New

Dimensions & Specifications

250cu. yd. / hr. Max Input Processing

Up to 18' Material Stacking Height

650 cu. yd. / hr. Stock Pile Capacity

6.5 cu. yd. Hopper Capacity

3-5 cu. Yd. Recommended Loader

6' x 19' Drum Size

80' Operating Length (with Overs Conveyor)

10'6" Loading Height

50,000 Weight (with Overs Conveyor)

Kubota or John Deere Diesel Power Plant

100 Horsepower

75 gal Fuel Tank Size



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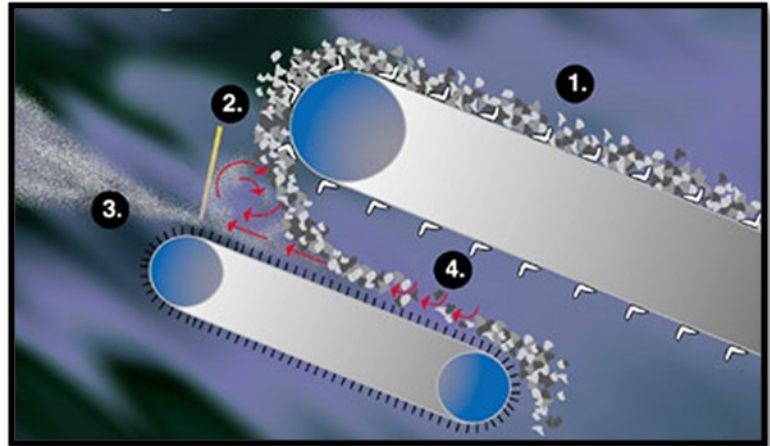
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THE PROCESS: SIMPLIFIED

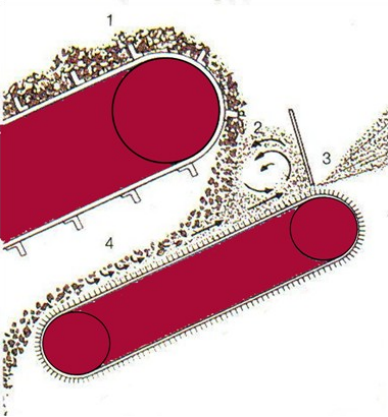
1. Material is fed from the Shredder-mixer hopper.
2. Churning action of the cleated belt rakes and aerates the load while feeding it forward to the sweep fence.
3. The adjustable sweep disperses only finely processed material while over-sized lumps continuously fall back for further processing.
4. Non-shreddable material and debris are automatically separated into a trash stream and discharged.



For processing basic earth materials, **ROYER** Shredder-Mixers are better by design.

Of all the available equipment for processing top soils, compost, peat and other friable organic materials, only the **Royer Shredder-Mixer** is designed for performance of the *whole* job. Actually a complete mobile processing plant, every Royer Shredder-Mixer:

- provides two-stage mixing of materials,
- automatically separates non-shreddable materials,
- breaks down lumps and oversize materials into uniform particles,
- aerates materials both before and after discharge.



Patented four-step processing action. When material is loaded into the hopper of a Royer Shredder-Mixer, it is carried to the top of the flighted conveyor (1), where it cascades onto the shredding belt (2). There, the material is thoroughly churned while rows of steel shredding cleats rake and aerate the load. Fully processed material discharges under an adjustable sweep (3). Oversize lumps fall back for further processing. Non-shreddable materials and debris are separated automatically and discharged through a trash chute (4). The result is a light, fully aerated product that's clean, uniform in particle size and free of unwanted materials.



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