

Orbitec Solutions, Inc



Orbitec Solutions Inc. manufactures innovative quality equipment for businesses that want to expand into Oriental rug cleaning and for experienced rug cleaners whose volume of rugs demand more automated equipment. Start your Oriental rug cleaning in a space as small as your garage with a few simple tools or expand your existing business using more automated equipment so your work flow is more efficient. Orbitec provides rug dusting equipment, rug rollers, rinse wands, squeegees, rug wash pits, mobile rug towers for drying rugs inside or outside, powered rug towers for drying rooms, rug tumblers for automated rug dusting, and rug centrifuges that spin and rinse to remove urine and excess soap and water from the pit washed rugs and reduce drying times.

Currently homes, condominiums, and apartments have tile and hard wood floors that have replaced carpet. Cleaning Oriental rugs has a higher profit margin per square foot than the price of cleaning carpet.

Rug dusters are the first step after vacuuming to clean Oriental rugs. Dusters reduce the time needed to clean a rug. The more dirt and dust that is removed before the cleaning process, the easier the rug is to clean which reduces the labor costs per rug. More rugs can be cleaned per hour after thorough dusting and removal of particles that vacuums won't remove.



Rug Duster weighs 90 lbs, has a 1HP motor and an adjustable handle. It has a 25" cleaning path. The 25 double ended vibro straps rotate counter clockwise at 47,000 vibrations/minute. A vacuum port is included for dust collection & environmental safety.



Mini Rug Duster Cub weighs 65 lbs, has a 1/2 HP motor and an adjustable handle. It has a 15" cleaning path. The 15 double ended vibro straps rotate counter clockwise at 15,000 vibrations/minute. No vacuum port is included.

Automated Rug Tumbler Duster is available in 8' x 4' x 4' and 10' x 4' x 4' models. The inside tubes are stainless steel. Forward & reverse interval rotations run from 2-30 minutes. Total duration run time is 30 minutes to 5 hours and has lock out safety controls. A cyclone dust collection system with 2100cfms is included. The front doors are spring loaded vacuum tubes for easy opening. The lower dust collection trays are on rollers for heavy particle removal.

Rug Grids are available in two sizes, 6' x 10' and 6' x 12'. These are normally bought in pairs. Tyvek or a similar product is used beneath the grids to catch the dirt from the dusting process. This prevents the rug from resting in the removed dirt. The grids roll up for easy cleaning.



Wash Pit is made of galvanized metal that slips together and is available in optional sizes. 3' foot supports. Slanted for drainage into a 12 inch trough.

Wash Pit Metal Floor Plates are 4' x 6' aluminum floor plates that line the bottom of the pit for strength.

Wash Pit Liner is a heavy duty pond liner and is available in the following sizes. 8'x10', 10'x10', 10'x15', 15'x 20', 15'x25', 20'x20', 20'x25' & 25'x25'. Liner should be 2' wider on all sides of the wash pit and 3' longer on the trough side.

Wash Pit Tiles are rugged plastic tiles that are placed on top of the wash pit liner. The tiles snap together and can be rolled for easy cleaning of the pond liner. Various colors are available.





Rug Rinse Wand-Square is stainless steel construction. Included is a grab handle for ease of use and a brass hose connector with an on/off valve that connects to a water hose. The flat surface improves the efficiency for wetting, rinsing, & flushing the rug to remove soap & urine.



Rug Roller works the rug cleaning solutions deep into the rug fibers. It is also used as a squeegee that helps remove urine & excess water from the rug. Stainless steel construction, 2" roller & 20" wide path. A grab handle & cushioned handle grip is included for ease of use. 12" weights up to 100lbs may be added to improve efficiency (plastic coated weights recommended to prevent rust).

Rug Squeegee is stainless steel construction and helps remove urine & excess water from the rug. It has a grab handle & cushioned handle grip is for ease of use.

Rug Tool Stands are used for convenience to store rug tools (wand, roller, squeegee) next to the pit for easy use.

Rug Centrifuge is available in two sizes. Model 1050 is 10'5" long. Model 1350 is 13'5" long. The inner diameter is 18" and the inside & outside tubes are stainless steel. 4 corner air ride & hydraulic suspension for quieter & vibration free operation. Power supply can be set up to run either single or 3 phase power. Separate PLC controls for speed with reverse jog feature (re-rolls rug). Built in rinse system with a 1" port. Spins up to 1400 rpms for maximum rinse & water removal. Baldor Gold Series Motor. 20 year rust warranty on stainless steel parts, 2 year limited warranty for bearings, motor, & electronic controls.



Manual Lifter consists of a stainless steel pole and stands. The pole slides into the rolled up rug so it can be lifted onto the conveyor or removed from the centrifuge.

Manual Conveyor is used to load a wet rug into the centrifuge or move rugs easily from one section of the wash area to another. 10' long conveyor on casters that includes stainless steel roller tubes.

Automated Rug Lifter consists of a stainless steel pole and winch system that lifts & loads the rug in & out of the centrifuge.



Rug Drying Tower - Mobile consists of 6 cross beam rug hanging slots and includes rug lifting/hanging ladder rungs. Adjustable width between Dry Tower sides (2'x12' studs recommended). Schedule 40 PVC or corrugated sewer pipe is recommended to cover the studs to prevent creases in the rugs while drying. Heavy rugs can be lifted by one person using the ladder rungs. Bonus hanging area for shorter rugs (6')

Casters - Rug Drying Tower makes the Rug Drying Tower more versatile. Roll it outside to dry rugs or move it around your rug cleaning area. 1000 lb rigid casters.



Rug Drying Tower - Powered uses a winch & pulley system to raise wet rugs for drying.

Available models:

Drying Tower 10 poles:

- 13' long, 10' high;
- 16' long, 10' high; or
- 16' long, 12' high.

Drying Tower 6 poles:

- 13' long, 10' high;
- 13' long, 12' high

Rug Drying Tower - Powered Extensions Expansion Kit 2' expansion kit for 6 & 10 pole Powered Drying Towers