



TOL INCORPORATED

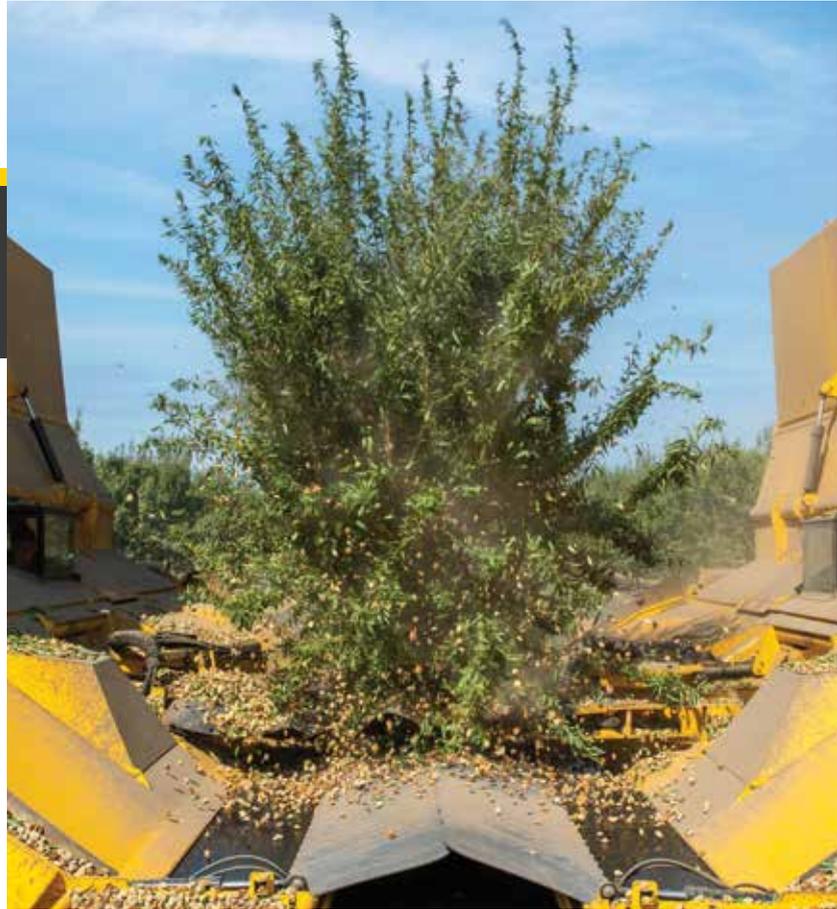
ARE YOU READY FOR WHAT'S COMING?

Prepare for the future with the **Twin D T4 Shaker.**

SHAKE and Capture

With the **Twin D T4 Shaker** from TOL, scattering and sweeping is a thing of the past. This innovative machine efficiently shakes and captures nuts into the machine frame.

Growers using the conventional method of harvesting can use the **Twin D T4 Shaker** to lay harvested nuts into a windrow.





With its de-sticker and leaf blower, the **Twin D T4 Shaker** helps growers keep dirt and sticks out of the windrow to harvest cleaner nuts.

As an added benefit, growers who shake, catch and windrow may water trees immediately after shaking to minimize stress on the trees.

Laying harvested nuts in a windrow may also decrease the potential for ant damage.

Designed with two separate shaking heads, one for each side of the tree, the Twin D shakes trees of unlimited heights that reach up to 16 inches in trunk diameter.

Our competitor's Tenias machine was designed to go over the row, limiting how tall the trees can be.

TOL's second shaker head allows growers to shake their trees from either direction, which proves convenient when trees are more easily accessed from one side.

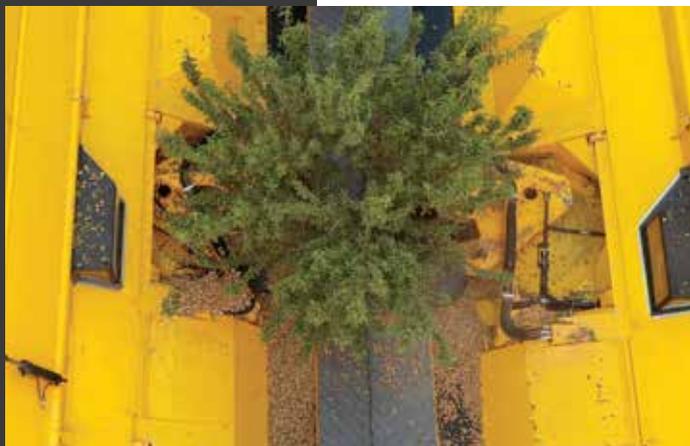
Twin D T4 Shakers work well on hillsides and steep ground, and can stay on the job even if one shaker head goes down. The heads can be programmed to automatically control the force and duration of shaking.







REDUCE Harvesting Costs



Costs associated with the harvest must usually take into account three steps: shaking, sweeping, and picking up.

But with the **Twin D T4 Shaker**, growers reduce harvesting costs by approximately 30% because TOL's innovative design eliminates the sweeping step during harvest.

Growers can save up to 2 cents per pound of nuts on hulling fees by eliminating costs to haul away dirt, and save even more by ending the need to condition.

REDUCE

Dust

The Almond Board established a goal for California almond growers to reduce dust by 50% by 2025. Eliminating the need to sweep significantly reduces the amount of dust generated during harvest. Growers using the **Twin D T4 Shaker** will experience an instant reduction of up to 90% of dust. In time, regular use of this innovative harvesting equipment may completely eliminate dust, improving our environment.





The **Twin D T4 Shaker** qualifies as eligible equipment under the San Joaquin Valley Air Pollution Control District's low-dust nut harvester replacement program.

Save money while promoting better air quality.



TRANSPORT And Maneuver

The **Twin D T4 Shaker** can be folded hydraulically to load onto a standard single drop trailer with ease.

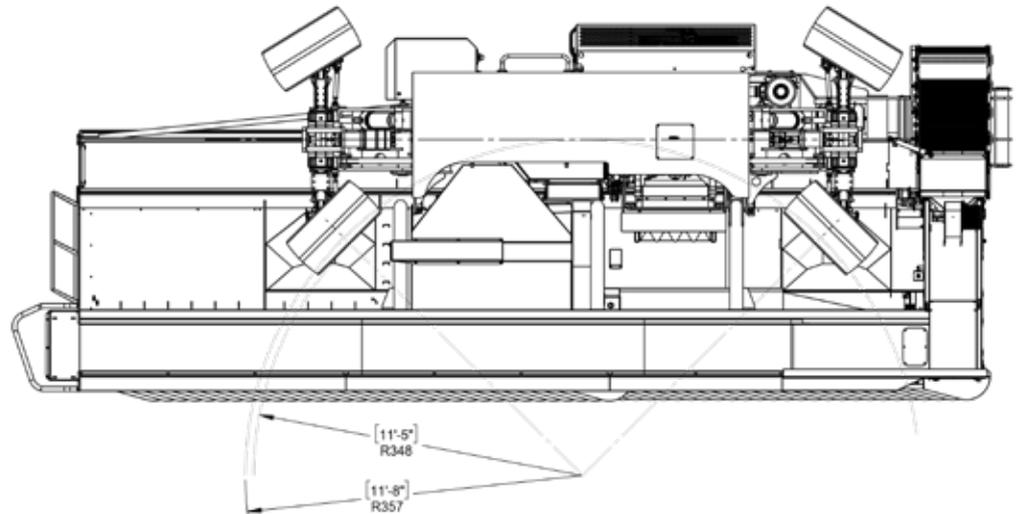
While not required, hedging prior to harvest helps provide a clean pass between the rows.

Operators can control the position of the windrow in order to drive over it without touching the harvested nuts.

TOL provides training on the safe operation and maintenance of the machine when delivered.



4-wheel steering allows the **Twin D T4 Shaker** to perform tight turns and fit well into commonly planted orchards.



ADD Value

When possible, the **Twin D T4 Shaker** can be used to shake earlier in the season to minimize wind fall.

While some windfall is unavoidable, growers may conduct a final sweeping or leave the windfall nuts for sanitation.

Following the almond harvest, bulk carts can be connected to the **Twin D T4 Shaker** for efficient harvesting of pistachios. Owning less equipment will lower orchard management costs.

The **Twin D T4 Shaker** works for young and mature trees that utilize mechanical hedging, and is best suited for orchards with a minimum 19" trunk clearance.



Realizing the substantial cost reduction gained by discontinuing the sweeping step and lowering orchard management costs can help move growers toward off-ground harvest.

Begin the transition into the future with the Twin D T4 Shaker.

Almond growers are becoming more aware of the benefits of off-ground harvest. And yet, the increased expense and decreased yields characteristic of off-ground harvesting have deterred some growers from pursuing the many benefits. Almond growers wanting to transition away from conventional harvesting methods have struggled to find an affordable, efficient system to implement off-ground harvesting.

UNTIL
Now



Off-ground harvesting allows growers to place harvested nuts directly into a bulk cart so that they never touch the ground. This method requires considerably less drive row maintenance, which will help reduce dust all year long. With an off-ground harvest, cover crops may be grown down the rows, also reducing dust. As an added benefit, cover crops curb the need for herbicide sprays, which will help growers ensure they meet worldwide regulations for MRLs.

Less maintenance and less herbicides resulting from off-ground harvesting methods will lower orchard management costs even further.

Reach future goals today.

TWIN D T4 SHAKER

**A low-dust solution that complies with almond industry
dust-reduction goals**



Dealer inquiries welcome

800.732.2142 • 559.686.2844 • contact@tol-inc.com