



TreeMasters, Inc.

"making a better future for your trees... and the environment"

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On the front cover, Jeff uses the Air-Knife to safely remove soil from around the roots of a Japanese Maple.



Moving Trees

With the Air-Knife

Planting a tree is a sign of hope and an “action of promise”. We plant trees for more than just for beauty. Trees are planted to increase property values, to increase energy savings, even as memorials or commemorations. At TreeMasters, we VALUE trees, so we do more than just plant them. For more than two decades, we have been nurturing them and helping to create a better future for trees through scientific arbor-care.



This Japanese Maple is being transplanted to the owner's new home.

For several years, we have been using a tool called the Air Knife as a part of our tree-care arsenal. We have been able to help trees that have girdled roots and trunk rot to have some “breathing space” again. We have intervened when trees are suffering the consequences of being planted too deeply. NOW, we are excited to be able to open a whole new frontier of tree-care! We are now using the Air Knife to transplant trees from one location to another in the safest, most tree-friendly way!

Often, for trees to be transplanted, they are transported in a truck and planted from a growing nursery. Sometimes larger trees are transplanted using a tree-spade. This is dangerous for the tree and can be cost-preventative for the owner. What do you do with a tree that has already been planted in your yard? What do you do if the tree is too close to a house or another structure?



The tree's roots have been halfway excavated.

Traditional transplant methods cut the roots of the tree, which hurts the vitality of the tree later. The Air Knife, however, moves trees by air! It is able to safely remove soil from tree roots without causing the damage that can result from traditional transplantation.

The Air Knife was first developed by the US military to clear land mines. It uses a portable compressor and a specially engineered nozzle to convert compressed air to a supersonic jet-stream. The finely focused stream of air penetrates the soil and quickly blasts the soil away from the tree.



Here, the buttress roots have been exposed.



The bare-rooted tree is lifted from its original location...

Since tree roots, rocks and pipelines are non-porous, soil can be excavated quickly—with no impact on these structures.

Benefits of using The Air Knife:

- 1. Greater vitality:** The full survival of roots (as well as the symbiotic organisms in the roots) increases nutrient absorption from the moment of replantation.
- 2. More flexibility:** We can move a tree any time the ground isn't frozen... even in the summer when the tree is in full leaf!
- 3. Less risk:** The tree will have much greater stability when it's replanted at its new home.
- 4. Better soil:** We are able to incorporate organic matter quickly to give your tree a better start.

The Air-Knife benefits trees in SO many ways! Contact us at the office so that we can find solutions for YOUR trees!



... and is transplanted into its new home!