

Arborator

Problem

- saplings weigh 50-200 lbs
- awkward and difficult to carry



- need a better method to transport and plant trees

Arborator

Market

- 1.1 million landscaping and groundskeeping workers
 - 1 out of 4 are self-employed
- target consumers: small scale landscapers, homeowners, and non-profit groups such as City Roots



Arborator

Design Intent

- lightweight and portable
- inexpensive
- maneuverable
- minimal handling of tree trunk and branches
- range of six feet in vertical lift
- operable by one or two people



Arborator

Design Features

- two hydraulic jacks for vertical and horizontal motion
- handle bar for easy pushing/pulling
- wide base surrounds the hole for stability

