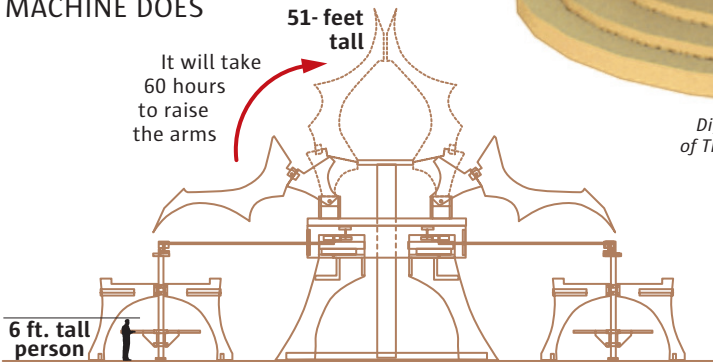


WHAT THE MACHINE DOES



THE NUMBERS

THE SIZE:
51-foot tall and 91-foot in diameter, equal to a 5-story building.

THE TEAM:
18 members on the core artist team and about 42 additional associates.

HOW IT WORKS

- 1 The arms of The Machine will be lifted by the manpower in each of the three "people wheels." A maximum of 8 people can push at each wheel.
- 2 A belt system transfers power from the people wheels to transmissions in the center structure.
- 3 The transmissions maximize the force produced and direct it to a large, central gear, which will turn the upper platform.



Spur gears are one of the three types of gears in The Machine's transmissions.

- 4 The upper platform, accessible by a ladder at the center of the structure, will make one revolution with every 600 revolutions of a people wheel.
- 5 As the upper structure rotates, the cables attached to each arm are reeled in, pulling them upward. One revolution of the upper platform raises the arms 1.5 degrees.

At any given time, up to 12 people will be able to experience the transformation of The Machine from the 23-foot upper platform.

Sources: The Machine, digital image by T. Duane Warner