

ARM

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Arm is a life-sized endoskeletal structure that mimics the movement of a human arm. Computer-controlled linear and rotary actuators are used to operate Arm, and the automaton is programmed to perform and communicate its human-like features. Freud's theory of the Uncanny was employed in order to contextualize aspects of a biomimetic robot based on the response evoked from a human audience. Arm's main endoskeletal structure is made entirely of brass, and is manufactured in a manner that seeks to manipulate simple motor functions to subsequently produce a more nuanced and believable representation of human motion. All moving parts are exposed in order to provide an easily understandable, and ultimately more inviting, mechanically performative experience.