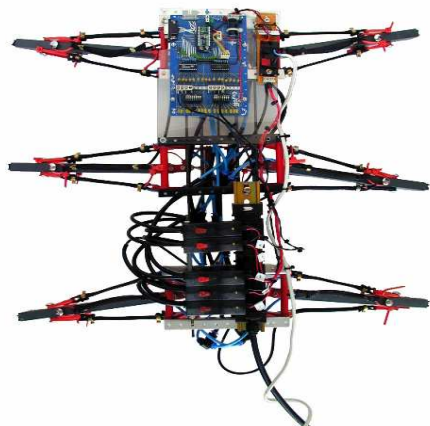




R o b o t C o m p a n y

1. The Shadow Robot Company

- The Shadow Robot Group was founded in 1987 and incorporated in 1997.
- Shadow creates state-of-the-art hardware for industry leading customers including:
 - > NASA
 - > CMU University (US)
 - > University of Leeds (UK)
 - > Bielefeld (Ger)
 - > NCAT (US)



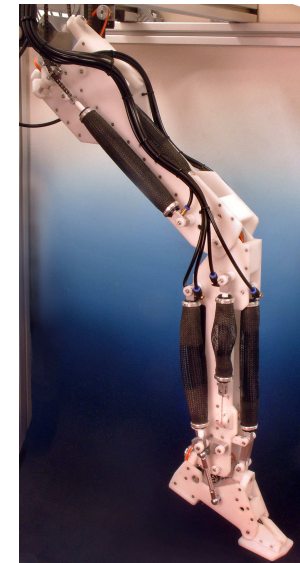
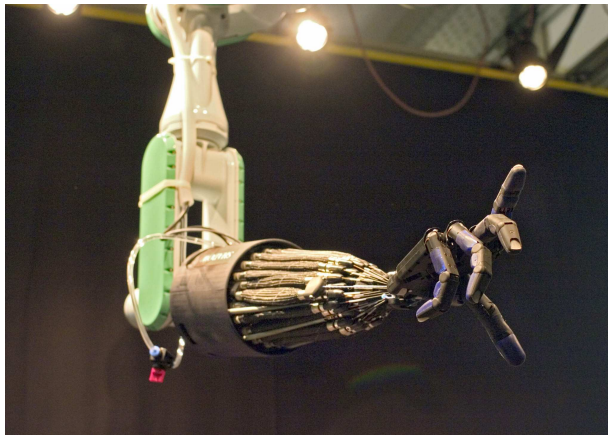
- Shadow is actively engaged with current robotics research issues for defence, medical, and space applications.
- Shadow is broadening our platform with products such as **custom tactile sensors** provided to Johns Hopkins University for their DARPA prosthesis project



2. Application of Shadow Technology

- Embodied robotics:

Using Air Muscles allows antagonistic muscle actuation in the joints of the Leg (right) commissioned for NCAT



- Manipulation technology:

The Shadow Hand is the most dexterous robot hand currently available. (left on a Mitsubishi PA-10 arm). Bielefeld University now have 2 of these systems, a right and a left!



3. Bright ideas? Come talk to us!

- Shadow is reaching out to partners to develop further applications in the fields of:
 - > Space
 - > Remote Decommissioning
 - > Medicine
 - > Under Sea

- There are also many academic groups working within this field, specifically:
 - > Algorithms
 - > Front-ends (datagloves)
 - > Touch sensing
 - > Robot platforms

Shadow is actively seeking partners with innovative research ideas

