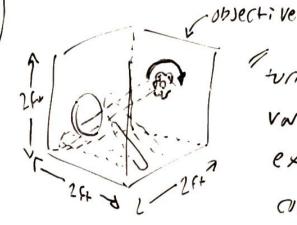
ARM IDEAS

LONGREX

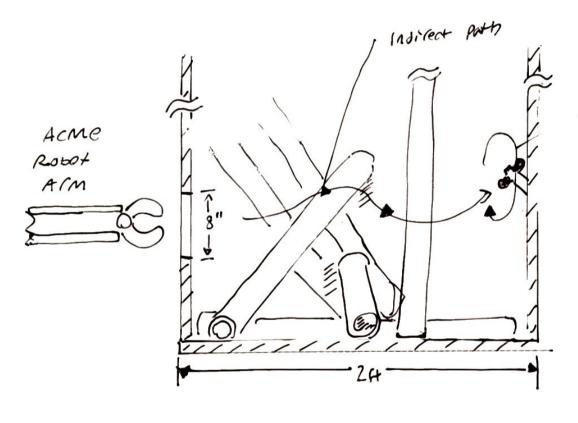


TUM a Standard size

VOLVE LOCATED ON THE

EXIT SIJE OF THE

CIMPEX OUTAN



, strength to rome a valve

Requirements

- NOT CONTACT CA
- sexterity to minipulare orbitrary strated objects
- gother Valve

Team Imposed requirements MODULA design (con introduce appearable segments) scolubre (can be implemented for larger (Obots)

minimized self weight of am

Use preumitic or powerschew actuation.

In short, the design should be Strong, agile nd anosie of handling arbitrary obserts.

> Big Picture There we Mucoscopic - Maniferents warres (i.e. (dbsterm strutagies)

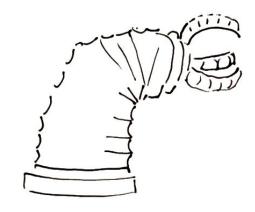
Mucosodpic musipulator Mich Supple Muipulators

Approuch 1: Discrete



Sewures

- armse of Fairly Heavy lows Exwer (FANUC PWIET ROBUT)
- Well-Jefiner range of morion
- depends: grippers/microscopic munipuratori
 can vary. Often have Pre-defined geometry
 in mind



- was 10 OF grews Strength - to - we take

[Wid

(Exemple: Fluid-oriven originami inspired wtificial

Muscle MIT-HAVAN CHARANTED MAN)

- increwed stexibility in Viable arm Parts
- copable of tennally trusted bio. inspired

 Obsect mairsiation in excess of

 the 2-B minimum