uscle Suits **Brand New Support Suits which assist person's Movements** Operating Principle: Rotate the Joints by tranferring the Contraction Support of Back + Elba Force of Pneumatic Artificial Muscle to the Joint Pully through the Wire

 Wearable Robot Arm/Back)

- Light weight and low cost movement support suit
- Assist humane movement directly by wearing it



- · Assist movements of older and phisically handicapped persons who need nursing care
- Assist normal individual 's pose and muscle especially for labor
- Possible to demonstrate various movements such as swings



2009 Arm & Back Model Specification

Weight 7.5 Kg Motivity Compressed Air Elbow 1 DOF DOF Shoulder 4 DOF Back 1 DOF

Support of Back + Elbow

Bending Elbow Support Inflection of Shoulder (To Front) Motion Straighten Back

Elbow 45Nm Support Shoulder 45Nm Torque Back 90Nm

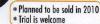
Interface

Motion Playback by Switch

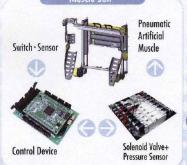


Weight 3.5 Kg Motivity Compressed Air DOF Back 1 DOF Support Straighten Back Motion Support Back 90 - 360Nm Torque

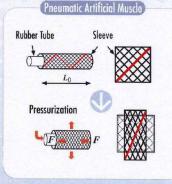
Switch Interface



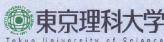




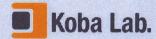




Flexible **Easy Structure** Lightweight: appx.300 g/m **Maximum Contraction** Percentage appx. 30% High Output: Maximum 150 kgf Contraction Force Possible to use in Water



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HOMEPAGE http://kobalab.com/