

Robotic Ironing System

Jeff Kramer
University of South Florida

Robotic Ironing System

- Automatic clothing identification
- Press, button, and hang/fold without human intervention
- A number of settings for each individual in the household
- Starch? Hang or fold polo shirts?



Robotic Ironing System

- The robot will use computer vision and a library of ironing techniques, combined with a fabric sensor to iron clothing
- A single camera, two commercially available robotic arms, a fabric sensor and traditional ironing equipment is all that is required
- RFID tags in the clothing identifies the owner
- As clothing is lightweight, the arms can be built for light duty, cutting costs. Estimated at 750 EUR.