METR 4202 Systems & Controls Lab: Sweet Exploration of Mars
Demonstration Assessment

Team №		Team Name:			Date:	26 / October / 2012
Member 1	Member 2	Member 3	Member 4		Member 5	Member 6

Task Overview:	Task 0: Basic functionality...1 point Task 1: Put a straw in a can with the top removed .... 3 points Task 10: Put a straw in an opened can .... 5 points Task 100: Put a straw in an opened bottle... 7 points Task 1000: Put a straw in an opened can with clutter (other cans).. 7 points Task 2042: Put a straw in an opened can and opened bottle with full clutter (cans/snacks)................................. 10 points
Bonus Overview:	A: Consistency .... + 2 points B: Straw Automatic Loading .... + 3 points C: Bottle has all labels removed.. + 3 points
Band Overview: (from Demo Criteria)	• Grade 1-2: Does it turn on? Arm/Vision system operate? • Grade 3-4: Arm moves, vision system demonstrably analyses scene, motion logical (Score ≥4 (4)) • Grade 5: Task 10. Score ≥8 • Grade 6: Accurate detection / place straw with good precision. Score >15 • Grade 7: Task 100+1000 or Task 2042. Score >20

Task Scoring Aid:	2042	
	1000	
	100	
	10	
	1	
	0	
	Bonus	

Total Score:

Grading: (Function)	20	It turns on
	30	Samples 1 can
	40	Heading in the right direction
	50	Motion logical. Places straw in open can
	60	**Good (5)**
	73	**Very Good (6)**
	85	Full, robust functionality. **Excellent (7)**

/85

Grading: (Form)	1	Cursory assembly/operation
	3	Some consideration.
	6	Design and implementation are **very good.**
	10	Design and implementation are **outstanding**

/10

Methodological Explanation:	

/5

Total Mark:	

/100

Comments:	
Marker Name:	