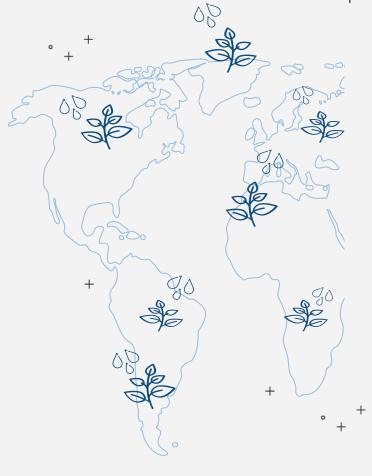
Hydroponics Raft Cleaner

Mechanical United



TIIF

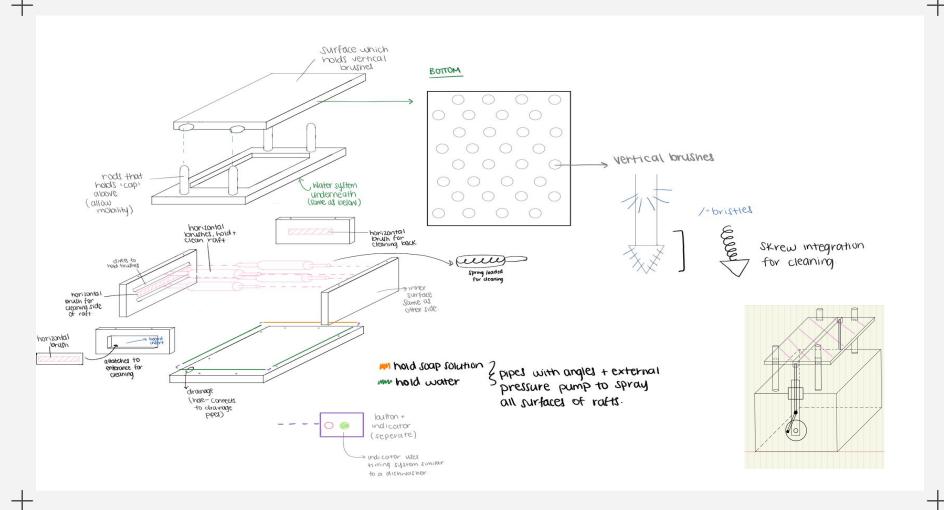


THE PROJECT

- Hydronics raft cleaning system
- a. Minimize labour time
- b. Automated machine

Design Requirements

- 1. Well-Cleaned Board is Necessary.
- 2. Comprehensible Functioning and Safe to Use.
- 3. Automated.
- 4. Reduced Labour Hours.
- 5. Size Meets Limitation.



Water Circulation System Prototype



Water Usage Comparison

Water Usage of a Dishwasher

Water usage category	Water use per cycle in gallons	Water use per cycle in liters					
Average	3.22 gallons	12.17 liters					
Most common	3.5 gallons	13.25 liters					
Highest	3.5 gallons	13.25 liters					
Lowest	1.64 gallons	6.21 liters					

From: Eco Cost Savings

Deciding on Pressure Nozzles



From: Amazon

Brushes Prototype - Metrics

AVG Cleanability: 71.64%

	cluster	pixels	name	HEX		RGB			HSV			LCI	Н		Lal	b		tags
To the state of th	(20) 163	70.73%	111,91,108 bloom ΔE=3.0	#69566B	105	86	107	294	4 19	42	39	15	323	39	12	-9	b	loom fedora
		29.27%	205,201,201 # snow ΔE=1.6	¢C8C6C9	200	198	201	27	7 2	79	86	2	313	86) 1	-1		ale slate alto athens half rakaia snow spray surf triple rey
		68.10%	111,91,108 bloom ΔE=3.8	#6657	6D	102	87	109	28	2 26	43	35	9 15	316	3	9 1	1 -	10 aurora bloom box covert dolphin fedora salt smoky
		31.90%	191,189,193 french grey ΔE=1.2	#C0BE	C4	192	190	196	25	51 3	77	7	7 3	298		77	1 -	pale slate chateau french ghost greywacke half spray surf grey
		76.08%	90,77,96 aurora ∆E=3.0	#6352	266	99	82	102	29	0 2	0 40	3	7 14	321	3	37 1	1 -	9 and aurora bloom chapta fedora verse
		23.92%	195,191,193 pale slate ΔE=0	#C3BF	C3	195	191	195	29	99 2	76	7	8 2	324		78 2	2 -	1 pale slate french ghost silver spray surf grey

Calculated by Pixel Colour Counter: http://mkweb.bcgsc.ca/color-summarizer/? +

THANK YOU! QUESTIONS?



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