RUGGABLE

Strategic Operations Manager Case Study – Pillow Co.

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Benefits and draw-backs of our DTC and made-to-order model

Model allows for **greater control** of all aspects of the business— including brand and customer reach, product innovation, and profitability, however there are significant **cost challenges** due to customer demands, efficiencies and capacity.



Key takeaway: model allows for quick and sustainable growth during scale-up through controlling what matters: profit margins, product innovation and targeted customer reach. We can mitigate the risks through focus on production and cost efficiencies and using in-house data to improve capabilities.

Contribution margin overview

Contribution margin ("CM") is analyzed by size due to differences in product mix, pricing and discounts, and COGS inputs. These variations highlight the need to *optimize sales mix, re-evaluate pricing and focus on minimizing costs.*



Contribution margin by size offering

Contribution margin decreased across all products. Differences are driven by *top-line and cost of goods sold* ("COGS").

CM by Size	May 1	May 8	% Change
Size 1	24.06%	23.48%	-0.58%
Size 2	33.93%	33.57%	-0.36%
Size 3	43.15%	42.92%	-0.23%
Size 4	41.93%	41.76%	-0.17%

May 1 - 7	Sa	ales	Discount %	Pe	er Unit ntrib. S		COGS	COGS as % of Net Sales
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Size 1	Ş	35	11.0%	Ş	7.5	Ş	23.7	/5.9%
Size 2	\$	55	10.0%	\$	16.8	\$	32.7	66.1%
Size 3	\$	85	8.0%	\$	33.7	\$	44.5	56.8%
Size 4	\$	125	14.0%	\$	45.1	\$	62.4	58.1%
May 8 - 14								
Size 1	\$	35	11.0%	\$	7.3	\$	23.8	76.5%
Size 2	\$	55	10.0%	\$	16.6	\$	32.9	66.4%
Size 3	\$	85	8.0%	\$	33.6	\$	44.6	57.1%
Size 4	\$	125	14.0%	\$	44.9	\$	62.6	58.2%



Contribution Margin decreased for all sizes Sales price remained the same and COGS increased.



%

Pricing differentiates CM for all sizes

Lower priced products tend to have lower CM and vice versa as the starting point is lower.

Discounts vary between sizes

Higher discounts can negatively affect CM % by decreasing net sales base and vice versa- indicating need for optimized pricing. **Size 3 has the lowest discount and the highest CM %.**





COGS composition comprises of 75.9% of Size 1 net sales versus 56.8% of Size 3.

Costs are "absorbed" more by high priced products



Meeting production goals through estimating total labor hours

High-level labor estimation model calculates labor hours needed per *production step* and *product size* based on target production units to arrive at a total labor estimate for the week.



Putting estimates to action

• Use initial estimates as target goal for production plants

Communicate estimates to production managers and supervisors as goal and set up regular update touchpoints to understand real-time performance

Gather raw data

Use 3-4 weeks of raw historical data to **compare actual results to estimates** for variances

Hold formal meetings

Set up opportunities to speak with both supervisors and floor employees to get **feedback on results**, feasibility of estimates, any issues they ran into and discuss potential solutions

• Continuous improvement and open feedback loop

Update model and estimates regularly as new information becomes available and maintain open communication with key players in the production process in order to continue best practices and address needs/opportunities in production

Improving production operations through strategic initiatives

Focus on identifying opportunities that establish "best practices" with **high-impact** on the business and culture and have a **measurable desired outcome**. Initiatives implemented early on promote **short and long-term growth and profitability as we scale up**.

Performance Productivity	Cost Productivity	Quality	Safety			
Goal: Lower production hours and improve efficiency	Goal: Lower product and production costs	Goal: Improve product quality Create standardized process and	Goal: Maintain and promote safety standards and culture			
 Create standardized processes, defined labor targets and create production schedules with supervisors to mitigate inefficiencies Roll-out recognition award program for employees that meet standards and goals (% compliant) 	 Further automate steps in process (e.g. can sewing be more automated?) Identify parts of production that can be outsourced/offshored as we scale (cost savings %) Outsource projects/processes in SG&A if resources are low (e.g. payroll, marketing analytics) 	 quality guidelines (% compliant) Add regular quality checks (QC) at each step in process (% defects) Create customer surveys for quality satisfaction and feedback Organize production "teams" of employees to share best practices and peer review 	 Create standardized trainings, checklists and incident response protocols with supervisors Hold regular touchpoints and feedback meetings with team (# of complaints) Add technology/ automation where possible as safeguard (# of injuries/incidents reduced) 			
Prioritizing process:		Planning and executing:				
 Evaluate each initiative/ opport term, long-term strategy or both this address? What is the magni 	unity individually as part of short- a. What need or deficiency does tude of impact?	 Meet with stakeholders and key players that benefit from executed initiative for feedback and to outline process and desired outcome Create budget, evaluate measurable financial outcome (if any), 				
 Identify resources needed to im capital ("HC") 	plement: financial, time, human	decide how we define success of the initiative (e.g. 10% decrease in costs); create initial execution plan				
3. Meet with applicable team/func perspective	tion to understand need from their	 Identify resources (\$, HC, time) and expertise needed for each phase; build team & refine execution plan based on team feedback 				
4. Compare opportunities within t	he group and seek possibility of	4. Continually check in with team and stakeholders; evaluate process				

- **4. Compare opportunities** within the group and seek possibility of combining initiatives
- 5. Meet with and present findings to operations team for feedback
- 5. Evaluate success at the end and look for opportunities to improve

and definition of outcome