How to "GO THERE" with Dynamic Safety Stock

LaCrosse Footwear, Inc.

Jean Herring Director, Demand & Supply

Kyle Garcia Demand Planning Manager

Brad Johnson Senior Demand Planner

CONNECT + ACCELERATE + INNOVATE









Introductions

- Jean Herring Director Demand & Supply
- ► Kyle Garcia Manager Demand Planning
- Brad Johnson Senior Demand Planner

Agenda

- LaCrosse Footwear, Inc. Overview
- Our Logility Structure
- ► How to "Go There" with Dynamic Safety Stock
 - Custom Batch jobs
 - Challenges and Creative Solutions
 - Results
- ► Take aways for you!

LaCrosse Footwear, Inc.

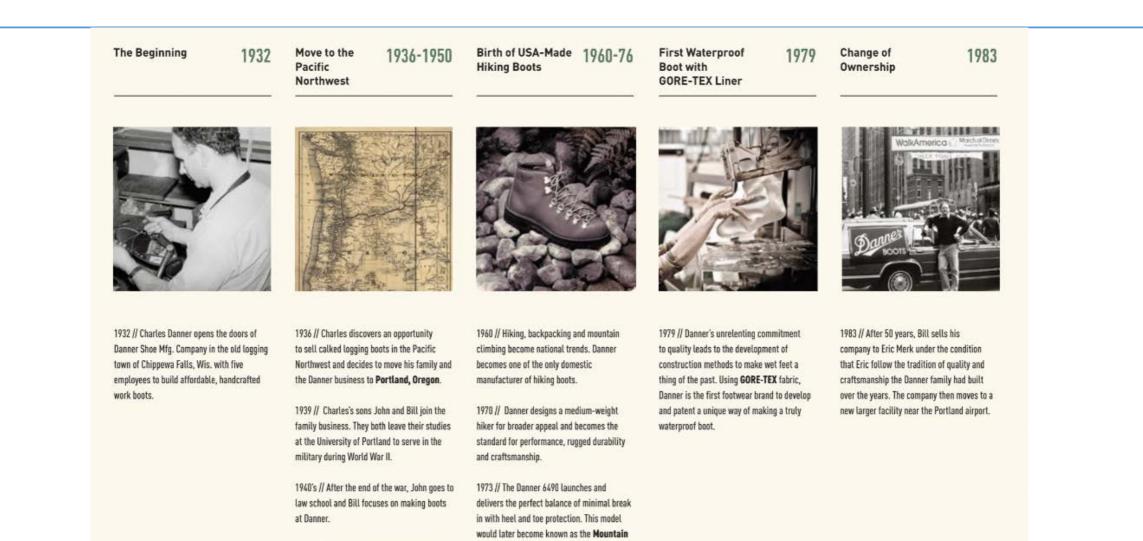
LFI is a footwear manufacturer and importer headquartered in Portland, Oregon

We are a wholly owned subsidiary of ABC Mart in Japan. Our core brands are:





Timeline



Light and would launch an entire collection of

classic hiking designs.

1950's // Bill expands the product line and opens the company's first retail store.

Timeline



including elite members of the U.S. Armed Forces and law enforcement.

1992 // The American Podiatric Medical Association awards Danner boots and Danner Airthotic with the AMPA seal of acceptance-yet another nod to the comfort of Danner footwear.

form a major force in the footwear industry. Since 1897, the LaCrosse brand has stood for premium-quality, handcrafted rubber footwear.

certification. This international set of quality standards helps assure customers that their Danner boots will be made to the highest standards for comfort, durability, support and waterproof protection.

new standard in combat boots with the USMC RAT and Army Combat Hiker.

factory in Portland, Ore.

2012 // Danner is recognized as being one of the most desirable American fashion brands in the Japanese market.

2014 // The Danner Mountain Light Cascade makes its film debut in the Fox Searchlight Pictures release of WILD. Based on Cheryl Strayed's New York Times best-selling book, the film recounts her 1100-mile journey along the Pacific Crest Trail.

NOW // Danner continues to design and manufacture a complete line of hiking, hunting, uniform, work and lifestyle boots in its world-class factory in Portland, Ore.



Channel Complexity

DTC – brand websites and 5 branded retail locations

B

- Wholesale National/Regional/Specialty
- Wholesale International
- Government Contracts



Supply Chain

- Domestic manufacturing in Portland, OR
 - Finished goods
 - Sourced Uppers

Eight contract manufacturing facilities in China, Vietnam and Cambodia

- Currently no dual sourcing
- > 2 DC's 1 in Portland and 1 in Indiana
 - Currently no dual warehousing

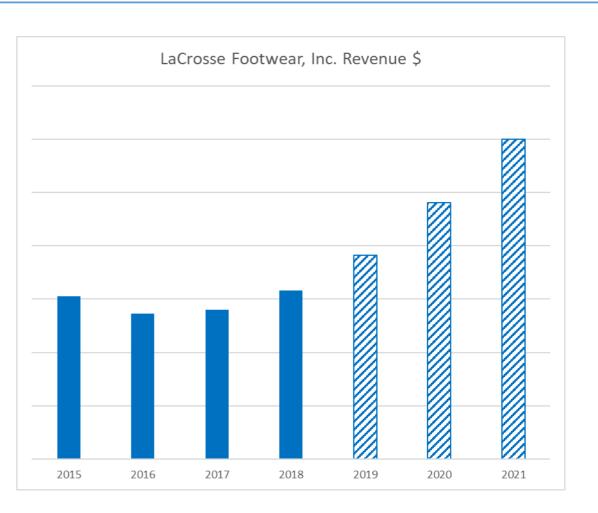
Lead times of 2-3 months (domestic) to 4-5 months (sourced)

Danner "Go There" brand video



"GO THERE"

- Historically stable and profitable ~ but flat and dependent upon military contracts
- 2018 YOY growth of 13% with focus on strategic categories, changes in Sales Rep structure and newly formed strategic partnerships
- Aggressive growth targets with YOY 25% increases
- ► Aim to double revenue by 2021!



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How are we going to "GO THERE"?

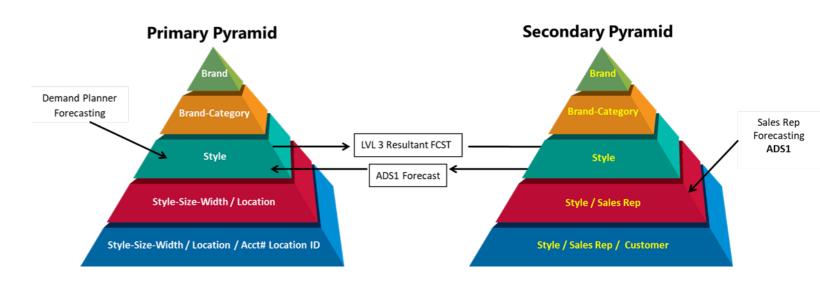
- Increased marketing spend
- First ever overall Danner brand campaign
- Opening additional Danner stores (3 in 2019 and future plans for more)
- Category focused Sales Rep organization
 - Core/Hike & Lifestyle
 - Key Account focus

New European Agents

- UK
- Germany
- Benelux
- France

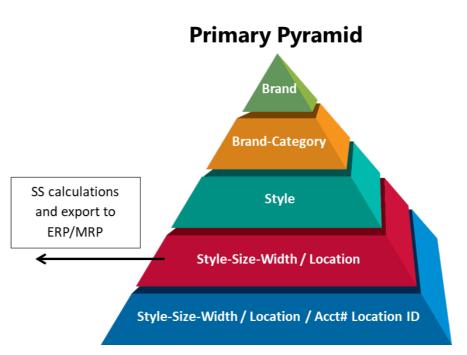
Logility Architecture

- DP module
- ► IP module
- Two pyramids
 - Primary DP forecasting and ERP/MRP integration
 - Secondary Sales Rep forecasting
 - Cross pyramid force L3 Style



Inventory Planning

- Primary Pyramid only
- Safety Stock calculations (Level 2)
 - Nightly Script
 - Ad hoc
- Automated weekly integration with ERP/MRP for inventory planning (Level 2)



So – how do we dynamically calculate Safety Stock?

Our Tiered Approach
Category Ranking
Style Selling Behavior
Multiple Service Levels



Category Ranking

- ► INVESTMENT focused strategic growth initiatives, marketing support, untapped opportunity
 - Hike
 - Lifestyle
 - Hunt
 - Work
- CUSTOMARY conventional, stable and established
 - Tactical
 - Military
 - Outdoor
 - Waders

Style Selling Behavior

- Bi-Annual Review
- > **AT-ONCE** highly replenished, strategic family, marketing support, vast customer buy-in
- **KEY** new distribution, major introduction, but not quite as important as At-Once
- **STANDARD** it is "ok" to have limited, short lived stock outs

Nightly Scripts

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	BATCH_DP_NIGHT_1	6	2	Summarize Demand		LPSUSER	BATCH_SID_LVL3_TO_LVL5
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		9		Calculate Inventory Plan			BATCH_ICP_PARAMETERS
		10	2	Build Network Structure		LPSUSER	BATCH_BDR
		11		Build Dependent Forecasts		LPSUSER	BATCH_BDF
		12	3	Calculate Inventory Plan			BATCH_ICP_SAFETYSTK
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Custom PMM IP PARAM ASSIGN – Category Ranking

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Custom PMM IP PARAM ASSIGN – Selling Behavior

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Custom PMM IP PARAM ASSIGN – 4th Choice Parameter Key

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ICP PARAMETERS – TIERED APPROACH

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ICP SAFETY STOCK

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Logility

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SS-INVESTMENT-STANDARD

ICP PARAMETERS – TIERED APPROACH

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SS-INVESTMENT-AO	At Once Style - all SKUs	95%	14	164	7
SS-INVESTMENT-KEY	Key Style - all SKUs	95%	14	164	8
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SS-CUSTOMARY-KEY	Key Style - all SKUs	75%	14	84	11
SS-CUSTOMARY-STANDARD	Standard Style - all SKUs	60%	14	84	12
SS-INVESTMENT - NEW	New Style With Safety Stock	28 days of fcst	N/A	N/A	13
SS-CUSTOMARY-NEW	New Style With Safety Stock	60%	7	28	14
SS-ACCESSRIES	Socks and Accessories	60%	N/A	N/A	15
SS-ACTIVE-II	All Active II styles	28 days of fcst	N/A	N/A	16
SS-FGMFG-TEMP	All PDX Finished Goods/Non-SU	60%	0	28	17
SS-INHIBIT-NOSS	No SS	0%	N/A	N/A	18
SS-SMU-NOSS	SMU - No SS	0%	N/A	N/A	19
SS-DEP-CLOSE-DISC-NOSS	Phase Out/Disc/Closeout - No SS	0%	N/A	N/A	20
SS-PHASEOUT-NOSS	Phase Out/Disc/Closeout - No SS	0%	N/A	N/A	21

GETTING CREATIVE

We now have dynamic, automated, statistically calculated, time phased Safety Stock!

YEA!

Veloc

- However.....our MRP system does not allow for more than 1 item "minimum"
 - Remember we do not have license to RP...yet! ☺
- SQL script that <u>averages</u> the rolling <u>7th, 8th, 9th</u> month's SS
- Accounts for seasonality and period we are buying to
- React more quickly to seasonal increase/decrease in SS



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Flexible tiered approach, automated, statistical

Supported 13% revenue growth 2018

- Overall company cancellation rate due to inventory outage is ~ 4%
- 3 day average Fill Rates improved from 64% to 70%

2018 Ending Inventory down \$4M (9% YOY)

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Get creative with your mass maintenance and batch jobs

Think of ways to overcome integrated system limitations

Manage SS settings to your business needs

e.g. ABC ranking by SKU, product family, color importance, etc.

THANKYOU

and Go There!

danner.com lacrossefootwear.com