

Lacamas Laboratories



FINE CHEMICALS
MANUFACTURED IN OREGON

Company History

- **Established in 1985**
- **Founded by Dr. Allen Erickson, current President & CEO**
- **Several key products started the company**
- **Growth and expansion every year since inception**
- **Privately owned with solid financial resources (i.e., self-sufficient for Capital needs)**

Site and Facilities

4.5 Acre (1.8 Hectares) Site

3 Manufacturing Buildings
12600 ft² (1170 m²)

Office and Laboratory Facilities
4000 ft² (370 m²) Laboratory Area

3 Warehouses 19000 ft² (1760 m²)

Raw Materials

In-Process

Finished Product



Production Manufacturing Capabilities

- **8 Production Lines of 1000 and 2000 gallon reactors (4000 and 8000 L)**
 - **>32,000 gallons (120,000 L) GL, Hastelloy & SS reactors**
 - **Hydrogenation: 500 gallons up to 300 psi**
 - **Hastelloy C and Tantalum Overheads**
 - **Hastelloy C Centrifuges**
 - **Variety of dryers**
 - **Heating and cooling from -40 to >200°C**
 - **High capacity vacuum to <1 Torr**



Distillation Capabilities

Continuous Fractional Distillation

Engineered Packing

26 Theoretical Plates

High resolution

High efficiency

High capacity

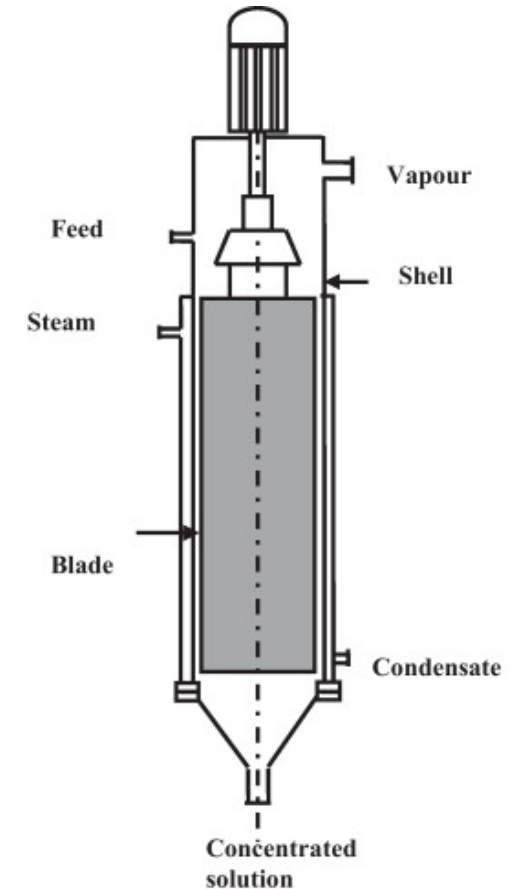
Thin Film Distillation

Thermally sensitive materials

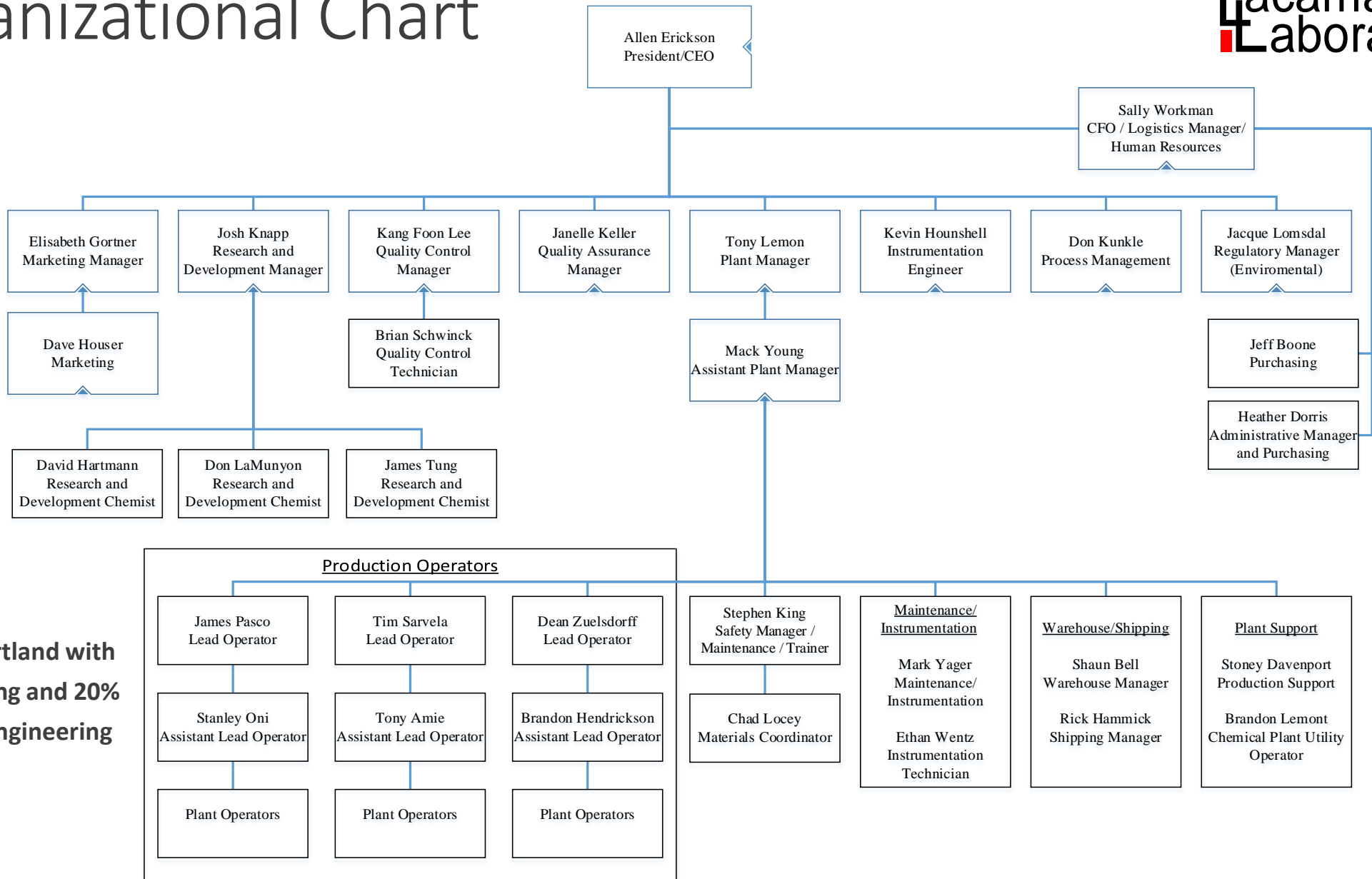
Short contact times

High vacuum, <1 Torr

High capacity, 8 kg per Minute



Organizational Chart



50 employees in Portland with
50% in manufacturing and 20%
in Process R&D or Engineering

Quality Systems

- **Lacamas maintains effective quality systems that:**
 - Meet customer requirements
 - Comply with applicable current Good Manufacturing Practices (cGMP)
 - Focus on continuous improvement

- **Quality Unit**
 - **Quality Assurance**
 - OOS/Deviation Reporting
 - CAPA Program/Internal Audits
 - Supplier Qualification
 - Change Control Program
 - Validation Program

 - **Quality Control**
 - Raw Material, Intermediate and Final Product Testing
 - Analytical Methods Development
 - Full Analytical Capabilities including NMR

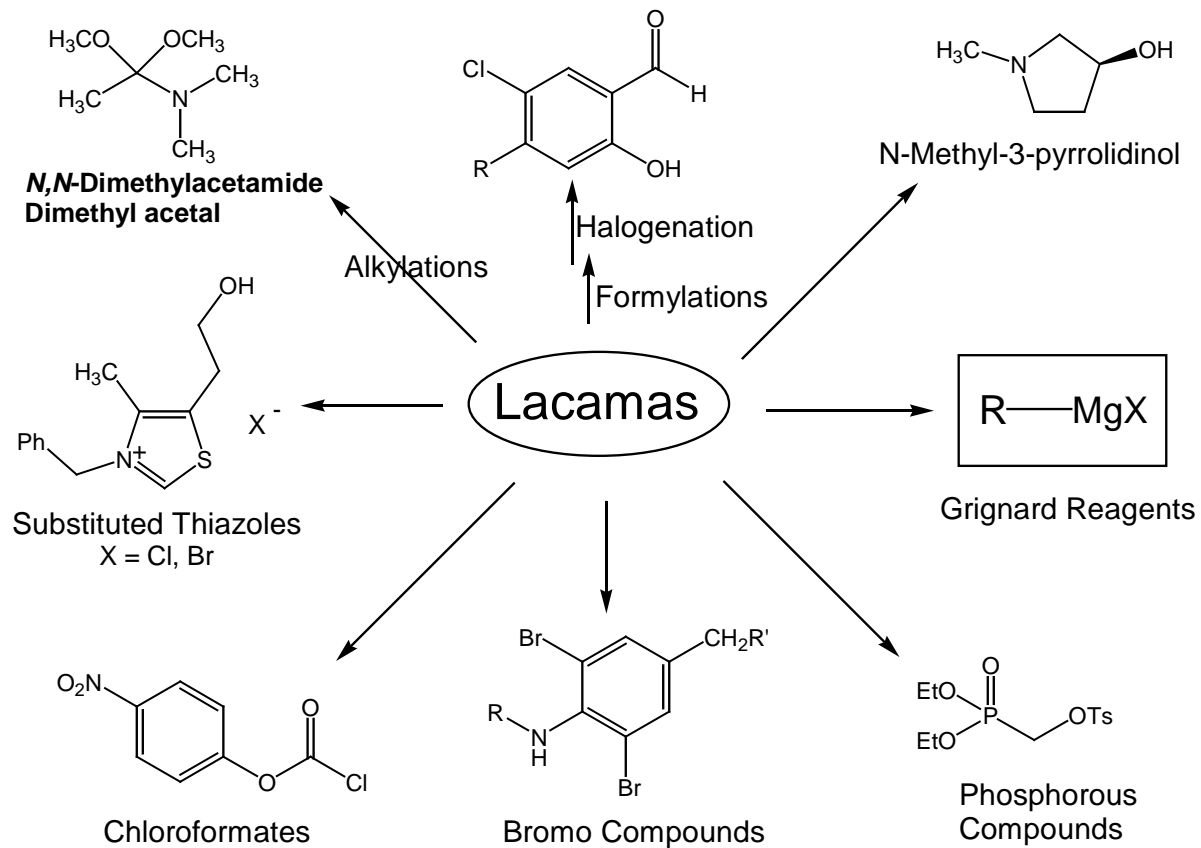


Technical Expertise

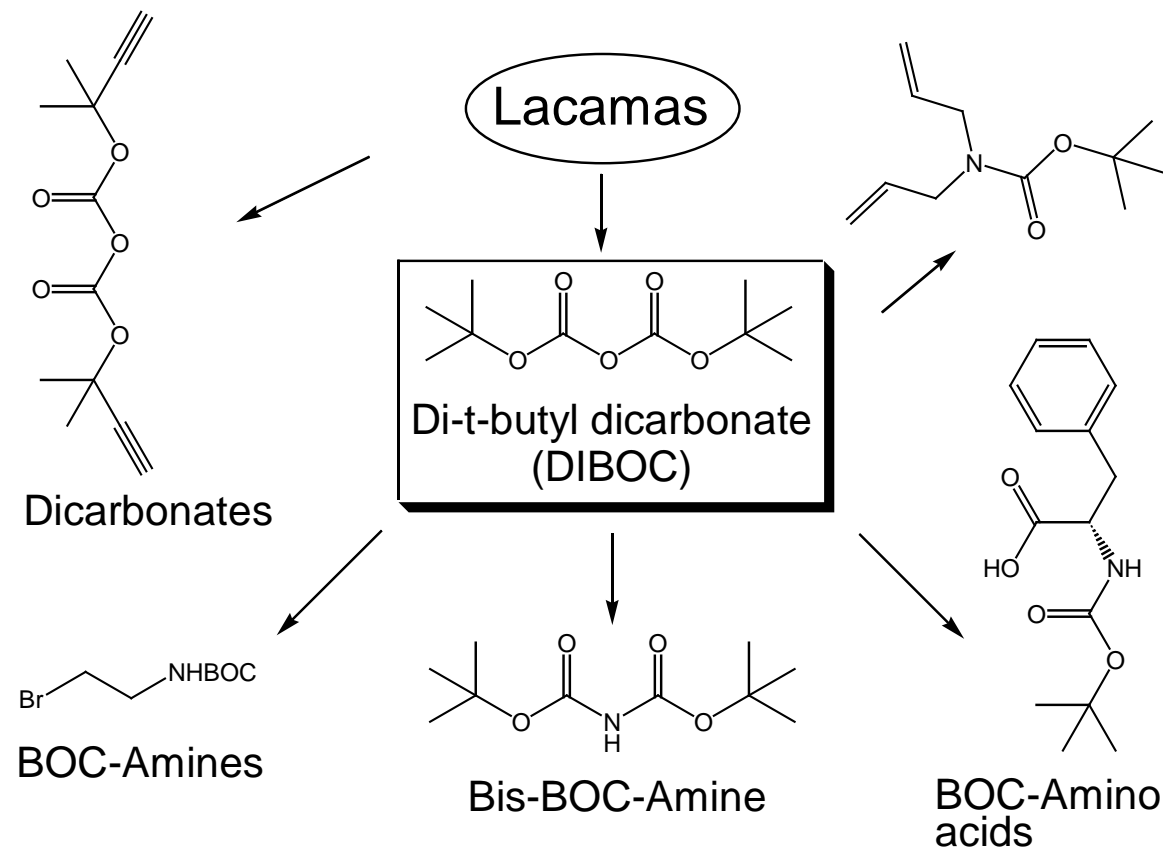
- **R&D and Process Development**
 - Laboratory process optimization (up to 5 Liters)
 - Pilot front-run (400 Liters)
 - Commercial production (up to 8,000 Liters)
- **Chemical engineering and Process Chemists on staff work together to scale up new processes**



Synthetic Strengths



Diboc and Custom BOC Derivatives



Visit us Online and in Portland

For any questions or inquiries please contact:

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Upcoming Events:

