

Richard Snyder: An Industry Leader in Medical Manufacturing

Richard Snyder is an accomplished operations and quality assurance professional with a diverse background in the medical manufacturing industry. Currently serving as Operations Manager at Avalign Thortex in Portland, Oregon, Snyder has held various senior and management roles at several prominent companies, including Fae Renovations & Design, FXI, Leupold + Stevens, Inc., and Acumed¹. This report delves into Snyder's career trajectory and provides a comprehensive overview of the companies he has been associated with.

Richard Snyder: A Career Overview

Richard Snyder's career has been marked by a consistent focus on operations and quality assurance within the medical manufacturing sector. He has demonstrated expertise in managing complex processes, optimizing production efficiency, and ensuring adherence to industry standards¹. His leadership is evident in his progression through increasingly senior roles, showcasing his ability to drive operational excellence and contribute to the success of the companies he has worked with¹.

Snyder's educational background includes an MBA from the Oregon Executive MBA program and a degree from Oregon State University¹. This combination of academic knowledge and practical experience has enabled him to excel in various leadership positions throughout his career.

Avalign Thortex: Leading the Medical Device Market

Avalign Thortex, where Snyder currently serves as Operations Manager, is a key player in the medical device industry. The company specializes in proprietary porous coatings for titanium and cobalt-chrome orthopedic implants, metal injection molding, and precision manufacturing solutions². In this role, Snyder oversees the day-to-day operations at Avalign Thortex, ensuring the efficient production of high-quality medical implants and instruments¹. Given his extensive experience in quality assurance and operations management at previous companies, Snyder likely plays a crucial role in maintaining Avalign Thortex's commitment to quality and efficiency.

Avalign Thortex offers a wide range of products and services, including:

- **Porous Coating for Cementless Implants:** This patented, FDA Master File approved process provides initial fixation and bone in-growth for cementless implants. It offers more material options, including titanium or cobalt chrome implants with spherical or asymmetric powders³.
- **Metal Injection Molding (MIM):** Avalign Thortex's patented MIM process allows for the creation of larger parts, including titanium components that meet strict American Society for Testing and Materials (ASTM) standards. This process results in lighter weight parts without compromising strength⁴.
- **Precision Machined Instruments:** Avalign Thortex pioneers innovations in precision machining to produce advanced surgical drills and instruments that meet or exceed the

highest standards⁵.

- **Joint Implant Components:** Aalign Thortex adds porous coating to a wide range of joint implant components, including:
 - Acetabular Shells
 - Femoral Stems
 - Knee Femorals
 - Knee Tibials
 - Patellas
 - Humeral Stems
 - Glenoids³

Aalign Thortex provides a comprehensive suite of services, including:

- **Design and Development:** The company specializes in the design, development, and manufacture of orthopedic implants and sintered porous coatings for Spine, Extremities, and Large Joints⁶.
- **Manufacturing:** Aalign Thortex operates in a lean manufacturing process with individual cell assignments⁷.
- **Machining:** The company offers machining both before and after coating, providing greater flexibility in the production process³.
- **Quality Assurance:** Aalign Thortex is an ISO 13485:2003 & 9001:2008 certified and registered company, ensuring the highest quality standards⁷.

Recent News and Events:

Aalign Thortex actively participates in industry events and shares its expertise through various channels. Some recent news and events include:

- **Exhibitions:** Aalign Thortex exhibited at OMTEC 2024 in Chicago².
- **Webinars:** The company hosted a webinar on "Selecting Orthopedic 3D Printing to Benefit your Development and Manufacturing Needs."²
- **Industry Forums:** Aalign Thortex participated in the ODT Forum².

These activities demonstrate Aalign Thortex's commitment to staying at the forefront of industry advancements and sharing knowledge with its partners and customers.

Clients:

Aalign Thortex serves top-tier medical device original equipment manufacturers (OEMs) worldwide⁸. The company's commitment to quality, innovation, and customer satisfaction has made it a trusted partner for leading medical device companies.

Fae Renovations & Design: A Global Leader in Land Clearing and Construction

Fae Renovations & Design, another company where Snyder held a key position as Operations Manager, is a global leader in the design and production of heads for tractors, excavators, skid steers, and other vehicles used in forestry, agricultural, road, and de-mining operations¹.

Products and Services:

Fae Renovations & Design offers a wide range of products and services, including:

- **Hydraulic Driven Heads:** These heads are designed for mulching, shredding, and crushing. They are compatible with a variety of skid steer loaders, excavators, and special hydraulic transmission vehicles⁹.
- **PTO Driven Heads:** These heads include forestry mulchers, tillers, stump cutters, stone crushers, and multitask heads for tractors¹⁰.
- **Tracked Carriers:** Fae Renovations & Design offers tracked vehicles with driver's cabs or radio-controlled, equipped with different types of heads for managing vegetation¹⁰.
- **Demining Machines:** The company also produces remote-controlled demining machines for clearing land of anti-personnel mines, anti-tank mines, and unexploded ordnance¹⁰.
- **Road Construction Equipment:** Fae Renovations & Design offers a range of equipment for road construction, including soil stabilizers, rock grinders, rock crushers, and asphalt shredders¹¹.

Sustainability:

Fae Renovations & Design is committed to sustainable solutions in road construction. The company's STABI/FRS - STABI/FRS/HP soil stabilizer, for example, is designed for high horsepower PTO tractors and offers exceptional productivity and reliability with outstanding results while minimizing environmental impact¹¹.

FXI: Innovating Comfort Solutions

FXI, where Snyder served as Plant Manager, is a leading producer of sleep and comfort solutions. The company designs, manufactures, and delivers mattresses, toppers, and pillows under its growing portfolio of owned brands¹. At its core, FXI is a manufacturer of engineered polyurethane foam products for various applications¹³.

Products and Services:

FXI offers a diverse range of products and services, including:

- **Bedding Solutions:** FXI provides a wide range of bedding products, including mattresses, toppers, and pillows, designed to provide restorative rest¹⁴.
- **Furniture Solutions:** The company also offers home furnishings products that combine comfort, durability, and quality¹⁴.
- **Transportation Solutions:** FXI's products and applications are used in the transportation sector to make rides safer and more comfortable¹⁴.
- **Healthcare Solutions:** FXI is a leading supplier of specialty solutions to companies in the healthcare sector¹⁴.
- **Innovation:** With over 400 patents, FXI is continuously developing the next generation of products in bedding, furniture, and engineered medical and transportation solutions¹⁴.

Sustainability:

FXI is dedicated to sustainable business practices and is actively shifting towards a more

environmentally responsible approach to manufacturing and operations¹⁵.

Leupold + Stevens: Precision Optics for Various Applications

Leupold + Stevens, Inc., where Snyder held various roles, is a renowned American manufacturer of telescopic sights, red dot sights, binoculars, rangefinders, spotting scopes, and eyewear¹.

Products and Services:

Leupold + Stevens offers a wide array of products and services, including:

- **Riflescopes:** The company's riflescopes are known for their ruggedness, waterproof integrity, and superior optical quality. They are used by various organizations, including the United States Army, the Secret Service, and the Navy SEALs¹⁶.
- **Red Dot Sights:** Leupold + Stevens produces a variety of red dot sights for various applications¹⁶.
- **Binoculars:** The company offers a range of binoculars designed for different uses, including hunting, birdwatching, and outdoor activities¹⁷.
- **Spotting Scopes:** Leupold + Stevens produces spotting scopes for various applications, including wildlife observation, target shooting, and surveillance¹⁷.
- **Rangefinders:** The company offers a variety of rangefinders for hunting, golfing, and other activities¹⁷.
- **Mounts:** Leupold + Stevens produces scope mounts for various firearms¹⁶.
- **Eyewear:** The company also offers performance eyewear for various outdoor activities¹⁷.

Military Contracts:

Leupold + Stevens has a long history of providing high-quality optics for military applications. Some notable examples include:

- **M24 SWS (Sniper Weapon System):** Leupold and Stevens Mark 6 scope with variable magnification 3-18x44mm¹⁶.
- **M107:** Mark 4 LR/T 4.5-14x50mm sniper scope¹⁶.
- **MK12 Special Purpose Rifle (SPR):** Mark 4 MR/T 2.5-8x36mm TS-30 A2 scope¹⁶.
- **MK14 Enhanced Battle Rifle:** Mark 4 LR/T 3.5-10x40mm scope¹⁶.
- **M110 Semi-Automatic Sniper System:** Mark 4 LR/T 3.5-10x40mm scope (2008-2019) and Mark 5HD 3.6-18x44 (2020-present)¹⁶.

Commitment to American Manufacturing:

Leupold + Stevens is deeply committed to manufacturing its products in the United States. This commitment ensures superior quality control, supports American jobs, and allows the company to quickly adapt to the evolving needs of the US military¹⁸.

Acumed: Dedicated to Innovative Medical Device Solutions

Acumed, where Snyder held various senior and management roles, is a multi-award-winning

company dedicated to providing innovative and quality medical device solutions¹⁹.

Products and Services:

Acumed offers a wide range of products and services, including:

- **Orthopedic Implants:** Acumed designs and manufactures orthopedic implants for the reconstruction and repair of trauma injuries. These implants include screws and plates for various body parts, such as feet, ankles, fingers, arms, and shoulders²⁰.
- **Surgical Devices:** The company also produces surgical devices used in various orthopedic procedures²⁰.
- **Craniomaxillofacial and Neurosurgical Products:** Acumed offers a vast array of craniomaxillofacial and neurosurgical products, including:
 - Titanium fixation
 - Instrumentation
 - Kits and containers
 - Disposable battery drivers
 - Specialized instruments²¹
- **OEM Services:** Acumed provides original equipment manufacturer (OEM) services to companies and specialized surgeons, offering:
 - Product design
 - Testing
 - Prototyping
 - Manufacturing²¹

History and Acquisition:

Acumed was founded in 1988 as Accurate Machine and Design by Randall and Mary Huebner in New Jersey. In 1990, the company relocated to Oregon²⁰. Acumed was acquired by the Marmon Group in 1999 and later became a subsidiary of Colson Associates, a spin-off of the Marmon Group, which is a Berkshire Hathaway company²⁰.

Social Responsibility:

Acumed is committed to social responsibility and supports various initiatives, including:

- **Grants:** The company provides grants to support medical education and research endeavors in orthopedics and related medical specialties²².
- **Humanitarian Aid:** Acumed's Grant Committee offers product donations for non-profit or charitable purposes to support global humanitarian aid efforts²².

Richard Snyder's Social Media Presence

No information about Richard Snyder's presence on social media platforms like Facebook, Twitter, or Instagram could be found.

Conclusion

Richard Snyder's career reflects a deep commitment to the medical manufacturing industry, with a consistent focus on operations, quality management, and leadership roles¹. His expertise in these areas, combined with his experience at leading companies like Avalign Thortex, Fae Renovations & Design, FXI, Leupold + Stevens, Inc., and Acumed, makes him a valuable asset in the field. Snyder's dedication to innovation and quality has contributed to the success of the companies he has been associated with, and his leadership continues to shape the medical device landscape.

Snyder's current position at Avalign Thortex, a company specializing in advanced technologies like porous coating and metal injection molding, places him at the forefront of innovation in medical device manufacturing. His expertise and leadership could potentially influence future trends in the industry, such as the adoption of new technologies, the increasing focus on personalized medicine, and the growing importance of sustainability. With his strong track record and commitment to excellence, Richard Snyder is likely to continue making significant contributions to the medical manufacturing industry in the years to come.

Appendix

Richard Snyder's Career Timeline

Year	Company	Position/Role
	Acumed	Various senior and management roles
	Leupold + Stevens, Inc.	Various senior and management roles
	Fae Renovations & Design	Operations Manager
	FXI	Plant Manager
	Avalign Thortex	Operations Manager
2021	Avalign Thortex	Operations Manager

Company Overview

| Company | Founding Year | Headquarters Location | Main Products/Services |

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