

REDEFINING MEDICAL MANUFACTURING

www.tritoneinc.net



TRITONE



ORTHOPEDIC MANUFACTURING EXCELLENCE

Engineered for Precision. Inspired by People

we've forged a legacy of trust, innovation, and uncompromising quality in the field of custom medical instruments. Our journey has been driven by one purpose — to empower healthcare professionals with tools that are not just functional, but exceptional.

Stone Instruments Co
Founded 1996 US subsidiary
Tritone Inc Founded in 2016,
Tritone Inc. is a U.S.-based
medical manufacturing company specializing in custom surgical instruments, implants, and precision-engineered medical devices. Headquartered in Addison, Illinois, we operate with a singular mission: to bridge the gap between clinical need and industrial capability. With decades of experience, **ISO certifications, and FDA-registered facilities, we proudly serve OEMs,** healthcare providers, and medical innovators worldwide.

Our success stems from our deep understanding of surgical demands, state-of-the-art manufacturing systems, and personalized customer service.

**WITH EVERY INSTRUMENT
WE MAKE, WE UPHOLD THE
PROMISE OF PERFORMANCE,
RELIABILITY, AND INNOVATION.**





A Global Standard for Surgical Solutions

To be a global leader in the design and manufacturing of precision medical instruments, advancing healthcare through innovation, quality, and collaboration.



Driven by Design, Grounded in Integrity

To deliver customized, high-performance surgical tools through cutting-edge technology, skilled craftsmanship, and uncompromising quality standards

Integrity in Every Cut



PRECISION

We deliver uncompromising accuracy in every component and product.



INTEGRITY

We do what's right—even when no one is watching.



INNOVATION

We challenge norms and develop smarter, stronger, safer tools.



RESPONSIVENESS

Fast, flexible, and client-focused from concept to delivery.



ACCOUNTABILITY

We take ownership of outcomes, every step of the way.



COLLABORATION

Stronger together — our teams and clients build better solutions side by side.

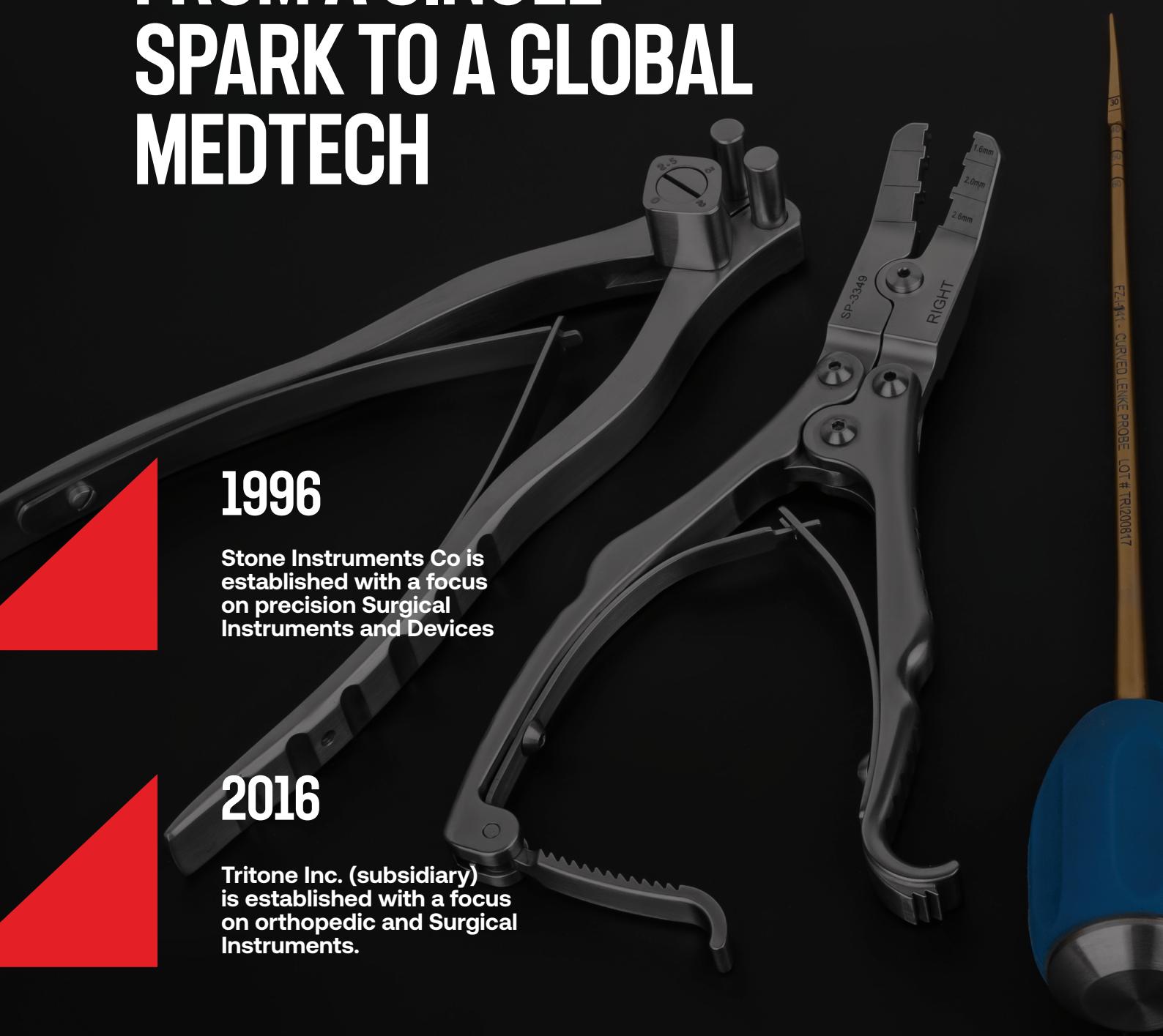
FROM A SINGLE SPARK TO A GLOBAL MEDTECH

1996

Stone Instruments Co is established with a focus on precision Surgical Instruments and Devices

2016

Tritone Inc. (subsidiary) is established with a focus on orthopedic and Surgical Instruments.





25+ YEARS
OF ENGINEERING
THE FUTURE OF
SURGERY

Where Engineering Meets Mastery

30,000 sq ft

Tritone's production floor is where precision is born. Our 30,000 sq ft manufacturing facility houses advanced equipment including:

- DMG MORI MILLTAP 700
- TORNOS DECO 10-AXIS
- TSUGAMI TMA 8 MILLTURN
- STAR KNC 32
- CITIZEN L20
- BRIDGEPORT 3016
- TRAUB
- MORI SEIKI DL151
- EDM MICROHOLING
- EDM WIRECUT



Ideas Transformed Into Instruments

At Tritone Inc., Research & Development is not an isolated function — it's at the heart of everything we do. In a field where precision saves lives and customization creates breakthroughs, our R&D division stands as a critical bridge between concept and clinical reality.

We don't just manufacture surgical instruments — we co-create solutions with OEMs, surgeons, designers, and healthcare innovators who need something beyond off-the-shelf products.



What We Do

Concept Development & Co-Creation

Working closely with clients, our engineers begin by understanding the problem — not just the product.

From napkin sketches to 3D models, we help visualize and refine ideas quickly and efficiently.

Clinical Feedback Loop

We integrate direct feedback from surgeons and specialists into our development cycles.

Instruments are tested not just for precision — but for comfort, usability, and real-world efficiency.

Advanced CAD & Engineering Design

We use advanced CAD/CAM software, stress simulations, and finite element analysis (FEA) to ensure product durability, performance, and ergonomics.

Every design is engineered for biocompatibility, manufacturability, and regulatory compliance.

Regulatory Alignment & Documentation

Our team is well-versed in FDA and ISO documentation, helping clients meet all requirements for premarket notifications, CE marking, and validation testing.

Rapid Prototyping & Iteration

With in-house CNC machining, EDM, and 3D modeling, we deliver fast turnaround on prototypes — often in days, not weeks.

Clients can evaluate, test, and fine-tune their devices in real-world surgical environments before going to market.



Synergy in Structure



ENGINEERING & DESIGN

Responsible for CAD modeling, prototyping, and performance simulation.



SUPPLY CHAIN & PROCUREMENT

Secures raw materials (sourced from USA, Germany, France, and Japan) and manages logistics.



QUALITY ASSURANCE & COMPLIANCE

Handles ISO/FDA adherence, documentation, testing, and final inspections.



CLIENT SERVICES & SUPPORT

Offers end-to-end communication and technical assistance, ensuring a seamless customer experience.



MANUFACTURING OPERATIONS

Manages machining, assembly, laser marking, and custom finishing.



SALES & MARKETING

Builds strategic partnerships, oversees branding, and creates market-specific go-to-market strategies.

Product Range

Built with Purpose. Trusted Worldwide

Tritone offers a robust range of custom and generic surgical instruments, including :

- | | | |
|--|--|--|
| <ul style="list-style-type: none">• SPINE• HIP & KNEE• TRAUMA• EXTREMITIES• IMPLANTS | <ul style="list-style-type: none">• DENTAL• CMF• NEUROSURGERY• CARDIOVASCULAR• VATS/MICS | <ul style="list-style-type: none">• ENT• PLASTIC SURGERY• CONTAINERS/TRAYS• OPHTHALMIC• GENERAL SURGERY/OR INSTRUMENTS |
|--|--|--|

Our instruments & Implants are crafted from premium alloys i.e 17-4SS, 420SS, 316LVM, CoCr, Titanium Ti6Al4Ve, Nitronic 60 imported from USA, France & Japan.

From Grip to Tip Pure Ergonomic Design





**PRECISION CUTTING
SURGICAL TOOLS...**



CONTRACT MANUFACTURING

A Global Partner in Medical Innovation

Our footprint spans five continents,
with clients in:

NORTH AMERICA

LATIN AMERICA

SOUTH ASIA

MIDDLE EAST

EUROPE

We partner with international distributors, medical device firms,
and hospital groups, adapting to diverse regulatory environments
while delivering consistent quality.



**We don't just export instruments,
*we export excellence.***

Doing Business the Right Way

At Tritone, we believe impact should be measured beyond revenue. Our CSR initiatives focus on:



Sustainable Manufacturing

Reducing waste, improving material efficiency, and using environmentally friendly processes.



Community Engagement

Supporting local vocational training programs in Illinois.



Healthcare Support

Donating surgical tools and instrument sets to underserved communities globally.



Diversity & Inclusion

Building a workforce that reflects the communities we serve.

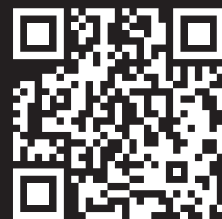


THE FUTURE OF SURGERY - *TOGETHER*

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