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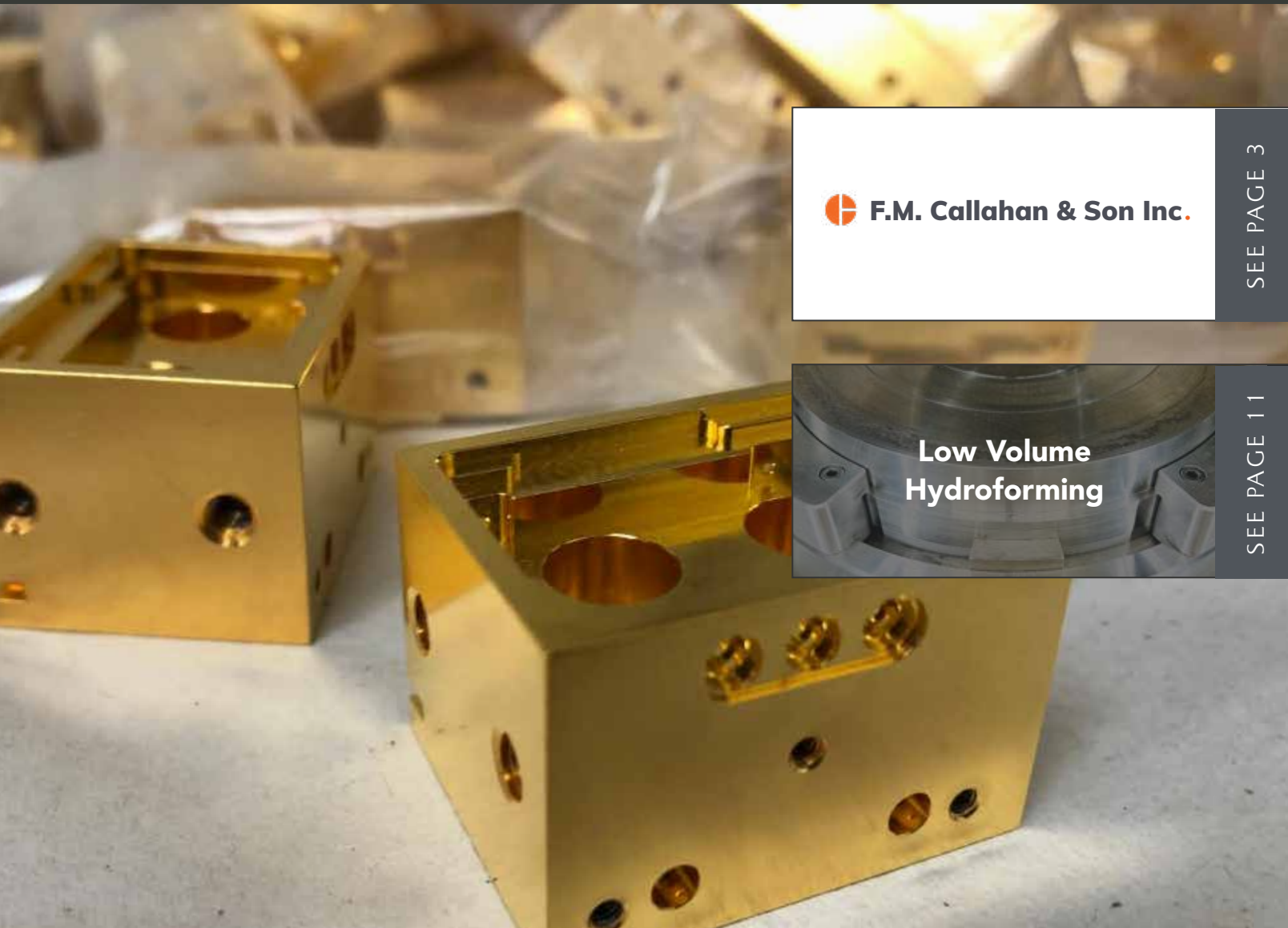
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**Low Volume
Hydroforming**

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FEATURED ARTICLE: **F.M. CALLAHAN & SON INC.**

C O N T E N T S

JUNE / JULY 2024 | ISSUE 299

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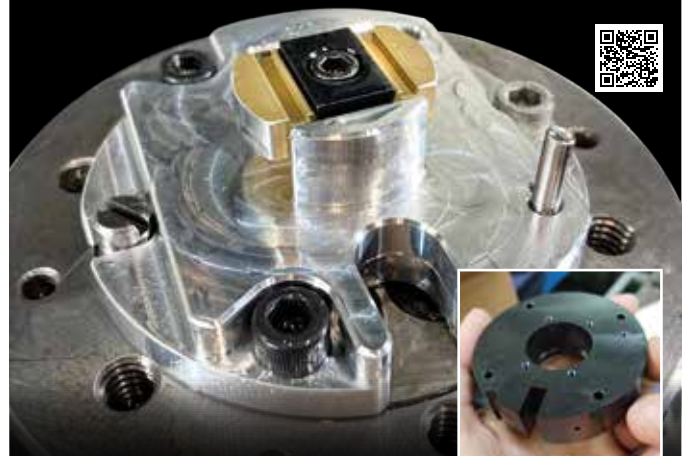
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Most of the ID Xpansion™ Clamps for this diameter used a big screw which would interfere with the dowel pin on the bottom of the pallet. We tried this approach with a @miteebite Machinable Uniforce™ Clamp between some semicircular bosses and a dowel pin to clock the part and prevent rotation, and it worked great!

Will Clarkson @feryokclarkson



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F.M. CALLAHAN: SERVING THE AEROSPACE, DEFENSE,
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Malden, Massachusetts based manufacturer, F.M. Callahan & Son has been plating parts since 1910 and is a NADCAP and ISO 9000 certified electroplater as well as being ITAR Registered.

The company specializes in the plating of precious metals of silver and gold, electroless nickel, sulfamate nickel, zinc, copper, tin, and tin-leads. Surface treatments the company offers include black oxide, pickling, passivating, conversion coating, and chromating.

F.M. Callahan & Son is an organization of specialists skilled in all phases of industrial plating. The company has combined ability, service, and quality to produce plating on sizes from microscopic pinpoint to gigantic two-ton pieces.

F.M. Callahan & Son is a full-service company with a 40,000+ square foot state of the art facility and has 100 plus years of family ownership who has always focused in on being a partner “where the finish comes first.”



The company has been NADCAP certified for approximately twenty years. This important standard indicates that accredited shops follow documented guidelines on how the parts are processed. The result is a consistently plated part.

Company President Eric Jacklin is in a good position to compare the two quality certification programs. “NADCAP tends to be more specific and a lot more intense than ISO,” he said. “For NADCAP, the auditors that come in are trained in metal finishing. They may have particular expertise in one area, such as anodizing; but they have also worked in the finishing industry and in the labs. Thus, they have a very specific checklist.”

“We have ISO 9000 as well, and that is looking at specific quality guidelines. But it is more general than the NADCAP. It deals with what you are actually doing; whether it is welding or chemical processing or something else,” he concluded.

Jacklin believes the NADCAP certification is worth the intense auditing process. “If you are NADCAP certified you are probably also GE certified or Rolls-Royce certified,” he said. “The Boeings of the world really trust the NADCAP system. They are leaning more on the NADCAP auditors and doing a lot fewer specific prime audits themselves.”

F.M. Callahan & Son’s NADCAP certified quality control systems assures consistency and conformity to military and commercial specifications. They have proven excellence and quality with customers in the following industries:

- Aerospace
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- Automotive, and...
- General commercial companies

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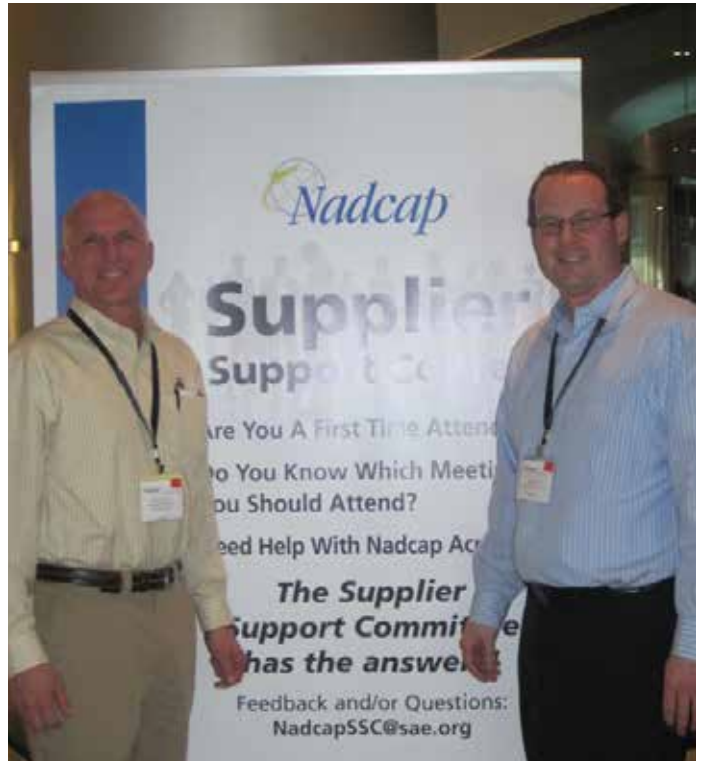


F.M. Callahan on Display!

Reaching out to current customers and NEW ones; the company has invested their efforts in the area's leading Industrial Showcase: The Design 2 Part Trade Show of MA, CT, and New York.

F.M. Callahan & Son has been a consistent Exhibitor at the Design 2 Part shows held in in CT, New York, over the years and the event held each early October at the Royal Plaza Trade Center in Marlboro, MA. This is the region's largest design and contract manufacturing trade show.

The show allows attendees the opportunity to search for anything from design ideas to custom and stock parts or through final assembly alternatives. Design 2 Part also allows for these manufacturers from New England and nationwide to have the opportunity to meet high-quality, reliable, American job shops and contract manufacturers who can help build their products better.



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Soaring To New Heights With Downtown Boston Project Completion

F.M. Callahan is the proud supplier of anodized parts that are now installed into the glass panes of the One Congress Street/State Street Tower building.

The parts were processed with clear and black anodize and are used in the lobby atrium of the new building.

If you have been in Boston lately the tower is located between Government Center and North Station in the vicinity of Haymarket Square.

The building is unique with an elliptical shape that climbs to some 600 feet tall.

This project highlights F.M. Callahan & Son quite literally soaring to new heights!

The October showcase has over 250 exhibiting companies and includes F.M. Callahan's Eric Jacklin who enthusiastically covers the Callahan booth over two days while talking and meeting with numerous company representatives who are looking to find new suppliers to improve their quality, reduce their manufacturing costs, and shorten time-to-market for their products.

Eric Jacklin, commenting on his own company's experience at the Show, said "I totally enjoy the experience of being an exhibitor at the Display 2 Part Show and meeting the traffic of key people walking the show's aisles; it is always so impressive! We are always able to generate sales leads with not only new accounts but existing accounts as well. It is gratifying to see our customers that we have talked with for years and are able to provide a number of these accounts with new ideas for future projects".



The Aerospace and Aircraft Industry:

George Abelli, F.M. Callahan & Son's Technical Support Manager, noted recently the important role the company has in the Aircraft and Aerospace industries throughout the USA and abroad.

Said Mr. Abelli; "Our continued commitment in working directly with the prime aerospace and defense contractors is one of the keys to our growth and success. Meeting the critical demands in today's aerospace & defense market allows F.M. Callahan to provide its customers with the latest most up to date critical process requirements in today's metal finishing market.



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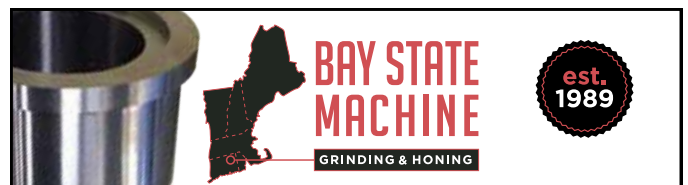
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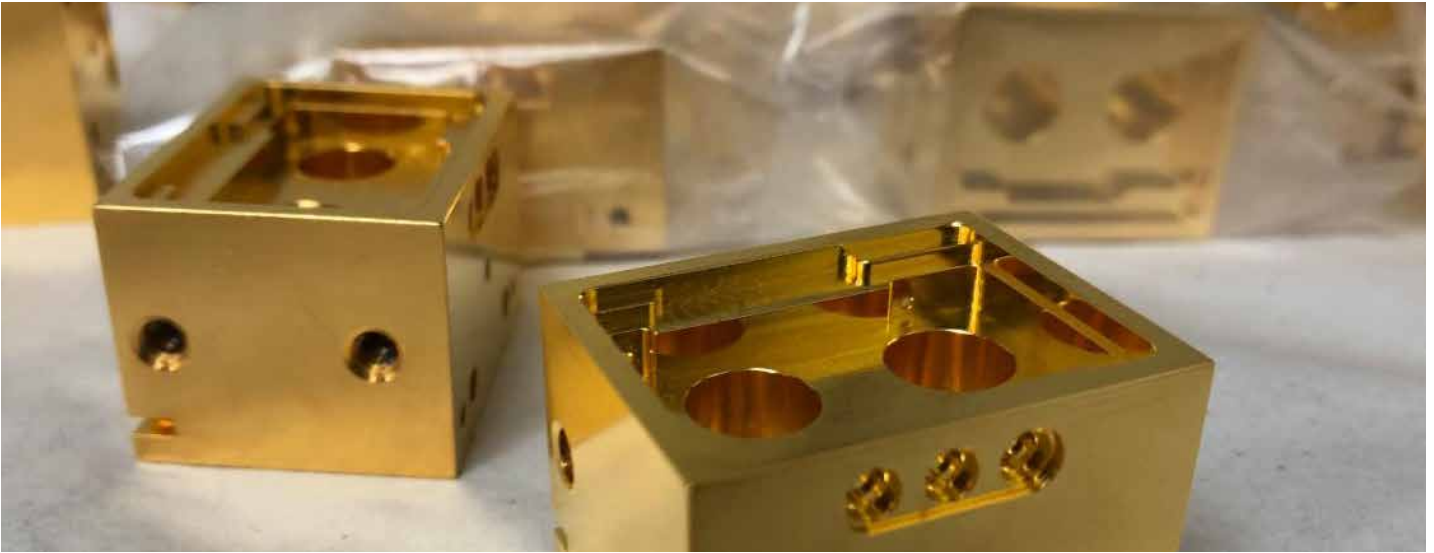
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“F.M. Callahan is not only committed in providing excellence for the aerospace & defense markets; we also provide demanding metal finishing process requirements for the automotive, electronic, semiconductor, railroad, and biomedical industries.”

F.M. Callahan will continue to grow into the future providing the domestic and global markets we serve with the level of excellence that is required in today’s very challenging and competitive marketplace.”

“Our continued presence at the SAE meetings gives F.M. Callahan the opportunity to work with all of the prime aerospace contractors in working out the needs and requirements in today’s demanding aerospace and defense metal finishing market. This allows F.M. Callahan to better provide their customers with the latest and most up to date process requirements required in today’s market.”

F.M. Callahan & Son, Inc. also has proven excellence in partnering with medical, R.F. Communications, automotive, and general commercial companies.

For more information about F.M. Callahan & Son, Inc. please call them at 781-324-5101 or visit the company website at www.fmcallahan.com.

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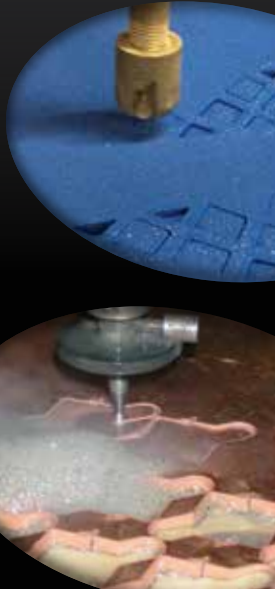
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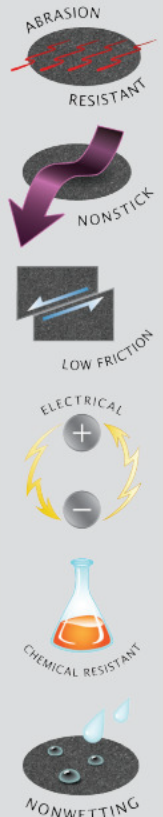
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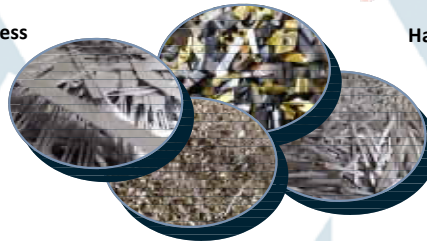
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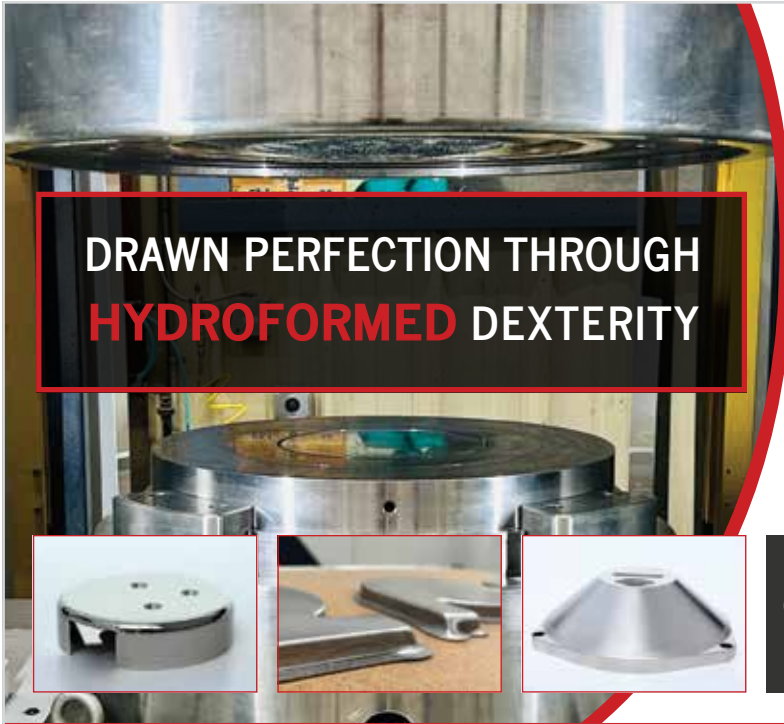


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NEW ENGLAND LEAN CONSULTING SUMMIT 2024

Where: 4 Sebethe Drive, Cromwell, CT

Event Date: September 12-13 , 2024

In its latest initiative to help promote the adoption of and practice of Lean methods in New England, the group at New England Lean Consulting (NELC) is pleased to announce the first inaugural New England Lean Summit is happening at the Hartford Marriott this September 12 and 13th!

This event is bound to be truly amazing... and hopefully the most fun conference you've ever been to! From the outset, our goal was to build an event unlike any other Lean conference there ever has been or ever will be... a lofty goal for sure, but we're strong believers that well-run businesses enable a lot of other good things for its employees, and we've assembled a lineup to help you do just that!

Why we think you should attend the New England Lean Summit:

Expanding Your Knowledge: Learn best practices from industry leaders; people who've "been there, done that", and can tell you the story of what went well, and what they wish they'd done differently. Our Summit will feature 16 renowned thought leaders, award-winning authors, top podcasters, and Lean practitioners who will deliver 7 World-Class Workshops and 9 Sessions covering a wide array of Lean topics over the 2 day event. You'll definitely be learning from the best!

Best Bang for your Buck: Our regional conference delivers all the same benefits and opportunities (maybe better!) that other, larger conferences do for a fraction of

the cost. The location is easy to get to, centrally located, and parking is FREE! Likewise, we aren't going to nickel-and-dime you for add-ons. Pay one fee, and you've got access to everything at the Summit!

Amazing Networking Opportunities: Connecting with like-minded people is one of the major draws of any conference, and we've put together an agenda that allows you to do just that!

We've purposely included time on both days to allow you to network with other attendees, share your experiences (good and bad!), and to make connections within our New England Lean community. Oh – plus there's going to be a Lean Happy Hour on Thursday night!



For more information on the Summit and for registration details, please visit us at:

www.newenglandleanconsulting.com/summit/About

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