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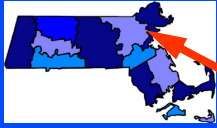


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# TDF METAL FINISHING

**TDF** Metal Finishing was founded in 1980 as a small metal finishing company owned and operated by Thomas D. Ferrairo, Sr., who has vast experience in metal plating. TDF began operations with three employees and an operations manager; today, a staff of thirty takes pride in producing a variety of quality metal finishes in an environmentally responsible manner. Please use these pages as a brief introduction to their capabilities. You can rely on TDF for fast turnaround of your parts. Think of TDF as your special resource. They emphasize personal service on all inquiries and orders. Sample pieces, pick-up and delivery are available in many areas.



*Thomas D. Ferrairo Sr.  
TDF President*



*TDF Metal Finishing produces all products in an environmentally responsible manner. The facility actively practices pollution prevention and has a toxics use reduction plan in place. Process tanks are analyzed on a regular schedule to ensure proper chemical concentrations. Tank bath additions are maintained in a facility database.*

## TDF's Historic Beginning

TDF was for years located in the historic Lydia Pinkham Building in Lynn, MA. They are now located in the Danvers Industrial Park in Danvers, MA.

The Lydia Pinkham building has an interesting and fascinating history. One of the country's first female entrepreneurs, Lydia Pinkham, began making her vegetable compound in her kitchen for the private use of her friends. After her husband's business failed in the panic of 1873, she and her sons began



*Continued on page 7*



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Chemical Finish, Black	MIL-F-495
Cleaning, Descaling, and Passivation	ASTM-A380
Copper	MIL-C-14550
Electroless Nickel	AMS-2404, ASTM-B733, MIL-DTL-32119
Electro Nickel and Gold	AMS-QQ-N-290, MIL-DTL-45204
Gold, Electrodeposited	MIL-DTL-45204, ASTM-B488
Nickel	AMS-QQ-N-290
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*Continued on page 9*



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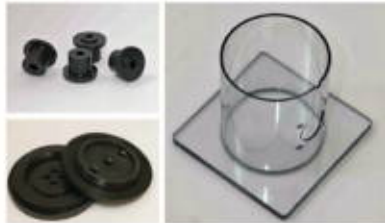
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If you have a question, need a quotation, or wish to discuss plating needs or concerns, contact Richard (Dick) Harrison, General Manager, Jeff Mills or Tom Ferrairo and you will get your questions answered.

# **TDF Metal Finishing**

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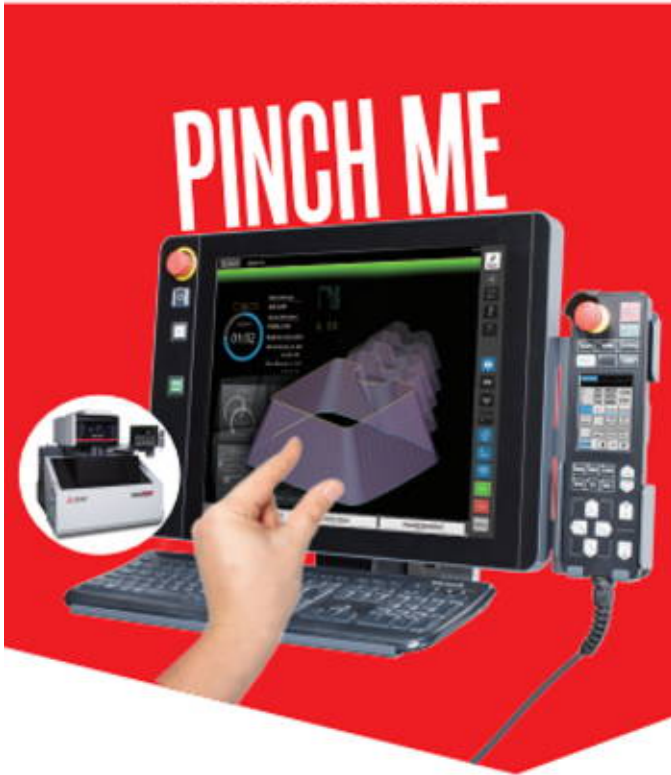
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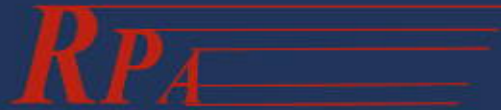
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ISO uses the standards aids in the creation of products and services that are safe, reliable and of good quality. These standards help businesses increase productivity while minimizing errors and waste. By enabling the direct comparison of requirements from different markets, they aid companies to enter new markets, and assist in the development of global trade on a fair basis. The standards also serve to safeguard consumers and the end-users of products and services, ensuring that certified products conform to the minimum standards set internationally.

Hawley continued that such a prestigious certification takes the entire company being focused on *excellence*, especially those on the manufacturing floor.

"We express the sincerest congratulations possible to our entire Crew. Without their everyday commitment to our quality standards, we could not maintain such high levels of precision sheet metal fabrication," she stated.

The certification is an early "birthday present" for the firm that celebrates 70 years in business this August! On August 16, 1948, the founders of Howard Products Inc. embarked on a business that has stretched into the 21st century. At a July 19<sup>th</sup> luncheon they will welcome back a number of retirees for a celebration, that they anticipated will include former owner, Brad Hawley, (age 91!). They are all looking forward to a great Bar B Que supplied by SmokeStack Urban Barbecue of Worcester, MA.

Hawley concluded, "With all the celebrating, our customers can be assured that we have not lost our focus. Quality processing is our way of life. We'd welcome a call at: (508) 757-2440 or an email at: [sales@howardproducts.biz](mailto:sales@howardproducts.biz).



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