QUALITY FABRICATION, INC.
Precision Sheet Metal Fabrication and Machining

HIGHLIGHTS

At Quality Fabrication Inc. we specialize in the manufacture of precision sheet metal and machined products using the most current technologies in order to provide our clients with faster and more cost-effective services while maintaining the highest quality standards.

Following is a small list of reasons to do business with Quality Fabrication:

• **AS9100 / ISO 9001 CERTIFIED**

• **IN BUSINESS SINCE 1980 IN THE SAME FIELD**

  • Engineering jobs and Prototypes in 5 to 7 days
  
  • Long or Short Production Runs, Small or Large Quantities, One-Shot or Repetitive Production
  
  • 48 hour turn-around on quotes
  
  • Latest Manufacturing Technology, Modern CNC Punching, Laser & Milling Machines, CAD/CAM, In-house Engineering & Design Staff, Shop-floor Tracking/Scheduling Software
  
  • All processes under one roof including Paint, Powder Coating and Silk Screening
  
  • Custom design - Prototype to Production
  
  • Turnkey Manufacturing Available
  
  • Backed by a committed work force of 150 employees
  
  • Highly reputed with excellent references
  
  • We specialize in chassis, card cages, panels, enclosures, brackets, weldments, tube-frames and machined parts for use in the Electronic / Commercial / Defense / Aerospace / Telecommunication industries
  
  • Apart from customer’s specifications we are also capable of manufacturing parts in compliances to below requirements:
    
    RoHS - EU Directive 2011/65/EU
    
    REACH - European Chemicals Agency (ECHA)
    
    DFARS 252.225.7014 - Preference for Domestic Specialty Metals
    
    ITAR - Department of State
    
    Conflict Minerals - 2010 Dodd–Frank Wall Street Reform and Consumer Protection Act

9631 Irondale Avenue
Chatsworth, Ca 91311
Phone (818) 709-8505
Fax (818) 709-4530
www.quality-fab.com
Serving L.A. and the surrounding counties since 1980, Quality Fabrication Inc. has been a fast growing precision sheet-metal fabrication and machining shop. Located in the San Fernando Valley and housed in a 50,000 sq.ft. facility, we offer 150 employees capable of meeting all your sheet-metal fabricating and machining needs for the Electronic / Commercial / Defense / Aerospace / Electrical / Telecommunication industries.

We take pride in providing the most economical services in a timely manner.

Computerized Information Systems, (Shop-floor Tracking/Scheduling & Job Management software), aid us in maintaining production efficiencies and delivery times.

Turnkey manufacturing is available. Contact us for further details.

Our Quality Control manual is in accordance with AS 9100 / ISO 9001 standards. This manual is available to you at any time, it assures you that the standards you require will be met.

References available on request.

We encourage you to take a tour of the facility.
EQUIPMENT & CAPABILITY

Following is a condensed list of on-site equipment:

Fabricating Equipment
2 Amada CNC Turret Punch Press Fabricators - 1/4" steel capacity, unlimited hole size, 60" x 12' max part size (Cardguides, Knockouts, Ribbing, Dimples and other forming, plus Hydraulic CNC capabilities)
2 Amada EMLK CNC Laser/Punch combo
1 4000 Watt Amada CNC Laser cutting - 3/8" stainless, 3/4" steel, 3/8" aluminum, max. blank size 60" X 10'
1 4000 Watt Mitsubishi Fiber Laser
12 Power Brakes - 8' x 130 ton capacity with Auto Backgauges
2 Shears - 3/16" x 8' steel max

Welding Equipment
3 TIG Welders
1 MIG Welders
2 Steel Rated Spot-Welders - .250" max thickness
2 Aluminum Rated Spot-Welders - .250" max thickness
2 Oxy-Acetylene Cutters

Painting
Poly-Urethane & Powder Coating, EMI Conductive Coating Fed Std 595
3 Spray Paint Booths - totaling 42 linear ft.
1 Enclosed Wet booth programmable for Spray or Bake mode - 10 feet wide
2 Powder Coat Booths
3 Baking Ovens, 350˚f max - large enough for a box x8' - y10' - z8'

Machining
4 CNC Vertical Mills, Capable of 5-axis machining
9 CNC Vertical Mills, Capable of 4-axis machining
6 CNC Vertical Mills, Capable of 3-axis machining
4 Vertical Mills
1 CNC HAAS Lathe
1 Conventional Horizontal Lathe, 16" x 30"
2 Saw capable of precisely cutting Aluminum extrusions, Steel Bar and Copper Bars.

Quality Control
A full complement of inspection equipment and gauges
1 Programmable Model based CMM with PC-DMIS software (Mitutoyo)
3 Manual Coordinate Measuring Machine (Mitutoyo, Brown & Sharpe)
2 Optical Comparators (Mitutoyo, Dorsey)
1 Paint Gloss Indicator
1 Plating Thickness Indicator
Computerized Calibration Recall System
10 Surface Plates

Silk-Screening
2000 sq.ft. dedicated to Silk-Screening, along with the ability to design & create Artwork

Hardware
11 Pneumatic Hardware Installers
Various hand operated hardware insertion tools
Hardware includes PEM, Southco, Heli-Coils, Rivnuts, Kaynar, Amatom, Etc.
1 Rivet Shaver
1 Rivet Assembler

Deburring
A complete Deburring department with:
4 Grinders,
6 Timesavers - 36" wide max
1 Bead Blaster
5 Tumblers
Our main CAD/CAM System for Sheet Metal is Amada-MetalSoft's FabriWin for Windows. For Machining that system is MasterCAM.

We can read/write - import/export:

- Autocad drawings
- Solid Works files
- MasterCAM files
- Pro-E files
- STEP Files
- IGES files
- DXF files
- 2D/3D files

Five (4) CAD/CAM Engineers and three (4) Estimators on staff able to understand and meet your requirements.

Regarding IGES & DXF; our experience is that the IGES format has been more reliable than DXF.

Our CNC tooling base is extensive, including: D-Sub connector punches, Countersink punches, large, small and mini Dimples, Ribbing, Lances, Cardguide punches, etc.

Our Laser machine is excellent for producing curves. If you have True Type Font lettering or Bitmap images to provide us, we can convert it into CAD format and manufacture using, (almost exclusively), laser technology.

Engineering files can be sent to us a e-mail attachments. Secured upload space for your large or secured files could be provided on our FTP site.

Artwork for Silk Screen or Labels can be sent to us by e-mail in Encapsulated Postscript form, or we can design it from your print or Bitmap file.

We have the ability to do 3D unfolding, yet the benefit of this is only as good as the integrity of the original drawing itself.
Quality Fabrication, Inc. had opened up an assembly area, in the facility in 1998, dedicated for the following:

- Installation of power supply
- Installation of fans
- Installation of connectors
- Installation of switches
- Installation of cables
- Installation of motherboards/backplanes
- Assembly of feet
- Assembly of cardguides
- Simple testing of fans and power supply

We not only work with customer supplied products for installation and assembly but we can procure the required products, per customer specifications, and stock at our facility for use on the customer's product.

At Quality Fabrication Inc. we believe in meeting our customer’s requirements to the maximum possible extent, based on our analysis from customer surveys and identification of specific needs.
Top of the line, a 4000 watt Mitsubishi Fiber Laser was added to Quality Fabrication Inc. in 2017.

**Performance:** Powerful Zoom Technology with more than 2000 inches per minute of cutting speed.

**Technical Specifications:** Maximum work piece: 10’ X 5’

Top of the line, a 4000 watt Amada LCF1NT was added to Quality Fabrication Inc. in 2009.

**Performance:** Cuts upto 0.75” Steel, upto 0.375” Aluminum, upto 0.375” Stainless Steel

**Technical Specifications:** Maximum axis travel: 120.9” x 61” x 3.9”
CNC Machine Shop

Ganesh Vertical Mill

CNC Lathe Machine
Silk-Screening

Timesaver Machines (separate machines for aluminum and steel)

In-process Inspection

Hardware Installation
Baking Ovens

Paint Spray Booths

Final Inspection (Mitutoyo Comparator)

Machining Inspection (Brown & Sharpe CMM)
Various Machined Parts
Certificate of Registration

This certifies that the Quality Management System of

Quality Fabrication, Inc.
9631 Irontale Avenue
Chatsworth, California, 91311, United States

has been assessed by NSF-ISR and found to be in conformance to the following standard(s):

AS9100D with ISO 9001:2015

*Audited in accordance with AS9104/1:2012 Requirements for Aviation, Space, and Defense Quality Management System Certification Programs.
NSF-ISR is accredited under the American Aerospace Quality Group Registration Management Committee.

Scope of Registration:
The manufacturing, machining and assembly of precision metal fabricated parts.

Certificate Number: C0259522-A86
Certificate Decision/Re-Issue Date: 14-NOV-2018
Certificate Issue Date: 18-NOV-2018
Expiration Date *: 17-NOV-2021

Carl Blazik,
Director, Technical Operations & Business Units, NSF-ISR, Ltd.

NSF International Strategic Registrations
789 North Dixboro Road, Ann Arbor, Michigan 48105 | (888) NSF-9000 | www.nsf-isr.org

Authorized Registrations and/or Accreditation Marks. This certificate is property of NSF-ISR and must be returned upon request.
*Company is audited for conformance at regular intervals. To verify registrations call (888) NSF-9000 or visit our web site at www.nsf-isr.org
Supplier of the Year Award

Presented to

Quality Fabrication

For Excellence in Quality, Cost, Delivery, Service and Technical Support in 2008
THIS CERTIFIES THAT

Quality Fabrication, Inc.

* Nationally certified by the: SOUTHERN CALIFORNIA MINORITY SUPPLIER DEVELOPMENT COUNCIL

* NAICS Code(s): 332322; 332439

* Description of their product/services as defined by the North American Industry Classification System (NAICS)

04/01/2018

Issued Date

04/01/2019

Expiration Date

Louis Green

Virginia Gomez, President

SC04072

Certificate Number

http://nmsdc.org

Certify, Develop, Connect, Advocate.

* MBEs certified by an Affiliate of the National Minority Supplier Development Council, Inc.
In recognition for exceptional contributions to the San Jose Operations this award is presented to:

Quality Fabrication

Service. Flexibility & SMI Program Excellence

Supplier Day    May 22, 2002

COPY
 Riordan Visits Valley Companies With Staying Power

■ Employment: The mayor recognizes firms that have remained in the area with the help of his Business Team, providing 77,000 jobs.

By HUGO MARTIN
TIMES STAFF WRITER

The buzz in Los Angeles may be about the hot growth in the multimedia and high-tech industries, about CD ROMs and computer "morphing" software.

But in the San Fernando Valley, old-fashioned manufacturing of everything from computer cabinets to vitamins to frozen pizza snacks continues to be a mainstay of the local economy, providing 77,000 jobs.

On Tuesday, Mayor Richard Riordan recognized the contributions of manufacturers by touring a handful of small and medium-sized firms that have stuck it out in the Valley despite the near demise of the aerospace industry, the sting of the recession and the destruction of the Northridge earthquake.

"I'm happy that you love Los Angeles as much as I do," he told a group of workers at Chef America, a Chatsworth firm that produces Hot Pockets and Lean Pockets, frozen meat-and-cheese-filled pastry meals.

Like the other firms visited by the mayor, Chef America had been tempted to abandon the Valley to pursue promises of lower building costs and easier permit approval processes in other cities and other states.

"Instead, the five firms that Riordan toured have stayed in the northwest Valley—at the behest of Riordan's Business Team—and have invested about $60 million and retained or added more than 1,500 jobs.

Optimistic about the economy and the more business-friendly attitude of City Hall, officials for some of the firms have promised to expand in the next few years.

One of those expansions is planned at Quality Fabrications, a 50,000-square-foot Chatsworth facility that produces sheet-metal fabrications, such as cabinets for automated teller machines or computers. The company plans to add a second plant soon.

"It is due to the continuous support, involvement and commitment from Mayor Riordan's office and its business team that we decided to reevaluate our options and retain our expanded manufacturing capabilities in the Los Angeles area," said Pradeep Kumar, president of the firm.

In fact, the business team—a 20-member unit that works to attract and retain firms in Los Angeles—has focused most of its efforts on the city's manufacturing industry.

A Times analysis of the 1,333 businesses assisted by the business team in 1996 found that 417 of the firms were manufacturers, 373 were in the service industry and 256 provided retail services. Multimedia and entertainment firms ranked fourth among the firms, with 169 companies, according to the analysis.

David Morace, the chief operations officer of Chef America, credited the business team with cutting through the City Hall red tape that he expected when the firm recently decided to upgrade its facility to increase production.

"In this business, you cannot wait around for things to drag on," he said. "To have someone tell us that the city of Los Angeles wants us to stay is unheard of."

Jack Kyser, the chief economist for the Economic Development Corp. of Los Angeles County, said the city is wise to continue to concentrate on manufacturing jobs because they provided a so-called "multiplier effect," meaning that each manufacturing job creates additional jobs, such as parts suppliers, drivers or retail salespeople.

"The Los Angeles metropolitan area is still the nation's second-largest manufacturing center," Kyser said. "Manufacturing is a crucial part of the economic base."
# The team approach

## Mayor's group aids businesses

By Enrique Rivera  
*Daily News Staff Writer*

**ChefAmerica Inc.** Chief Executive Officer David Merage remembers when Mayor Richard Riordan's LA's Business Team two years ago unexpectedly offered to help the company expand its Chatsworth operations.

The Denver-based company, which makes a variety of frozen foods at its San Fernando Valley facility, had been considering Texas for a third manufacturing facility.

"Somehow word got out, and we had calls from the Mayor's Office," Merage said.

The team helped the company cut through the red tape of expanding, enabling it to increase its product line and prolong the life of its Valley operation. The company has since grown by about 130 jobs, to 350 employees.

"The city is saying to business, 'We want you here,'" Merage said. "I think that is the most important part of it."

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**THEY LOVE L.A.**

Mayor Richard Riordan visited five San Fernando Valley companies Tuesday considered among the biggest successes for his L.A.'s Business Team, which attempts to keep companies in Los Angeles and help them grow. The five companies he visited:

<table>
<thead>
<tr>
<th>NAME: Natrol Inc.</th>
<th>NAME: Leslie's Poolmart Inc.</th>
<th>NAME: Quality Fabrication Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS: 21411 Prairie St., Chatsworth</td>
<td>ADDRESS: 20630 Plummer St., Chatsworth</td>
<td>ADDRESS: 9631 Irondale Ave., Chatsworth</td>
</tr>
<tr>
<td>BUSINESS: Vitamins and dietary supplements</td>
<td>BUSINESS: Retailer of swimming pool products</td>
<td>BUSINESS: Sheet metal and machining</td>
</tr>
<tr>
<td>EMPLOYEES: 120</td>
<td>EMPLOYEES: 150 at headquarters</td>
<td>EMPLOYEES: 200</td>
</tr>
<tr>
<td>FACILITY: 90,000 square feet.</td>
<td>FACILITY: 38,000 sq. ft.</td>
<td>FACILITY: 50,000 sq. ft.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>NAME: 3M Pharmaceuticals</th>
<th>NAME: ChefAmerica Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS: 19901 Nordhoff St., Northridge</td>
<td>ADDRESS: 9601 Canoga Ave., Chatsworth</td>
</tr>
<tr>
<td>TYPE: Drug manufacturer.</td>
<td>BUSINESS: Frozen foods</td>
</tr>
<tr>
<td>EMPLOYEES: 450</td>
<td>EMPLOYEES: More than 550</td>
</tr>
<tr>
<td>FACILITY: 300,000 square feet.</td>
<td>in Chatsworth</td>
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</tbody>
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