

QUALITY FABRICATION INC.

PRECISION SHEETMETAL FABRICATION & MACHINING



AS 9100 / ISO 9001 Certified

9631 IRONDALE AVENUE
CHATSWORTH, CA 91311
TEL: (818) 709-8505
FAX: (818) 709-4530
<http://www.quality-fab.com>

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
- MIL I-45208 approved
- 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

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COMPANY HISTORY

Quality - Service – Dependability



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

- 3 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 CNC Laser/Punch combo (Apelio and EMLK)
- 1 4000 W Amada CNC Laser cutting – 3/8" stainless, 3/4" steel, 3/8" aluminum, max. blank size 60" X 10'
- 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 (Brown & Sharpe)
- 2 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

ENGINEERING

Our main CAD/CAM System is Amada / Metal-Soft's FabriWin for Windows.

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.



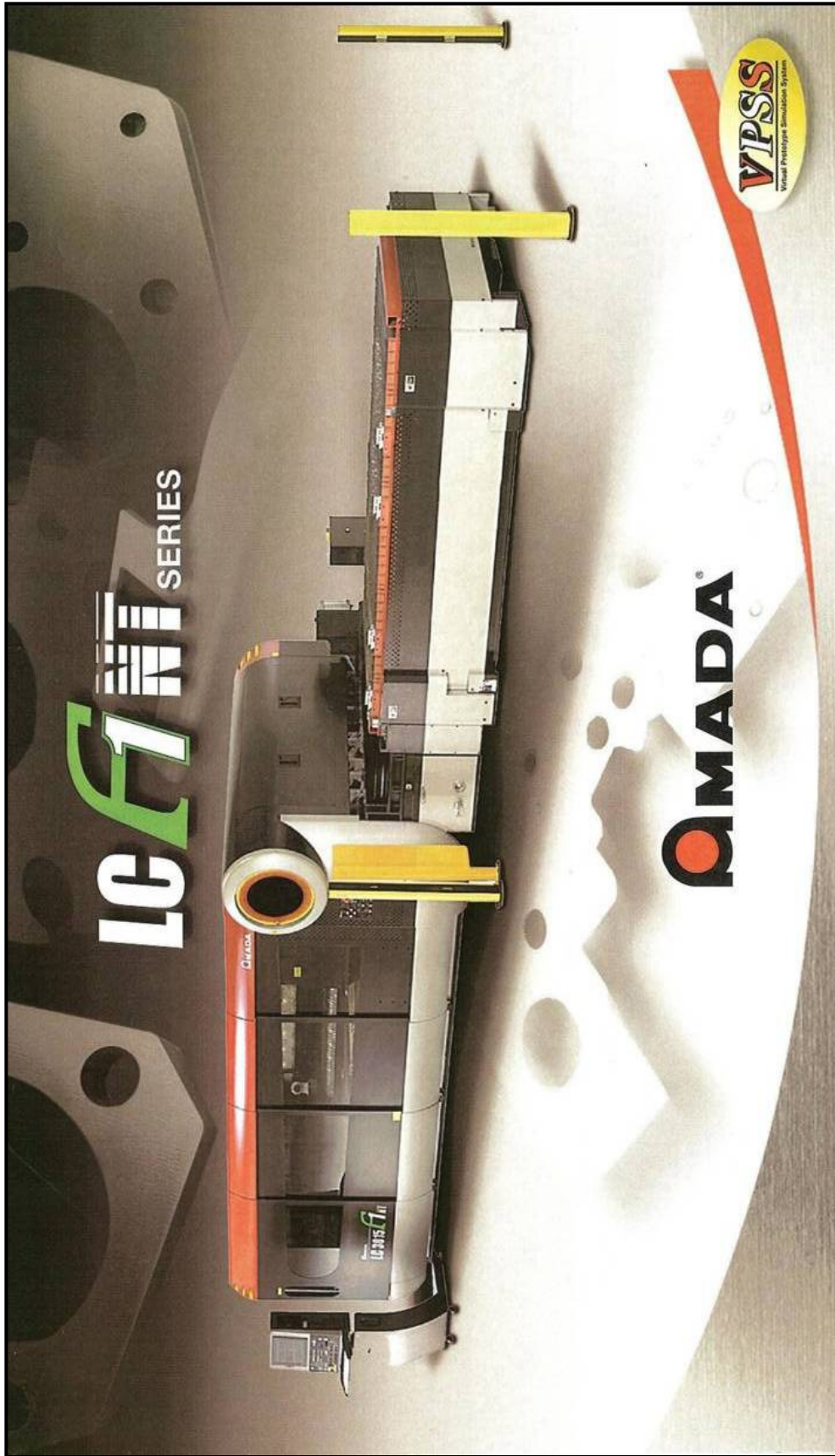
Quality Fabrication, Inc. had opened up an assembly area, in the facility in 1998, dedicated for the following:

- 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 Amada LCF1NT was added to Quality Fabrication Inc. in 2009.

Performance:

- ◆ Cuts upto 0.75" Steel
- ◆ Cuts upto 0.375" Aluminum
- ◆ Cuts upto 0.375" Stainless Steel

Technical Specifications:

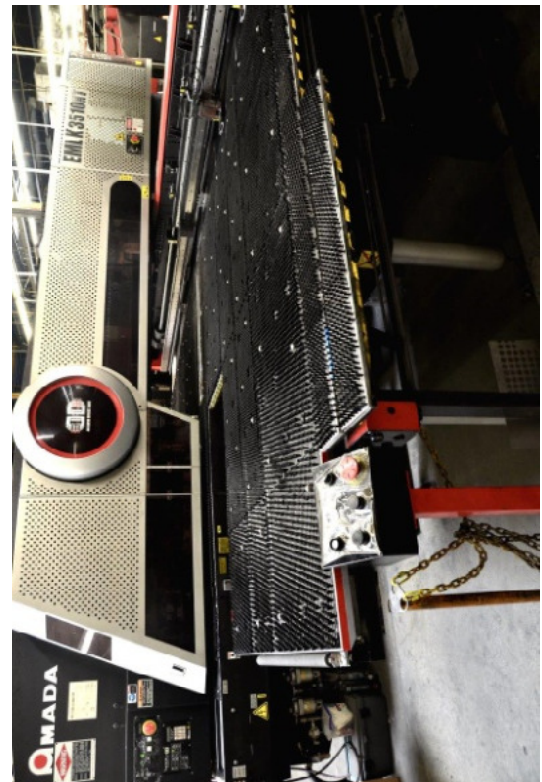
- ◆ 4000 Watt with "Very High Cutting Speed"
- ◆ Maximum axis travel: 120.9" x 61" x 3.9"
- ◆ Z-axis sensor HS-2007 (Anti-plasma, noise resistant)



Amada Punch / Laser Combo



Amada CNC Punching



Amada Punch / Laser Combo



Spot weld



Brake Department



CNC Machine Shop



CNC Machine Shop



Ganesh Vertical Mill



CNC Lathe Machine



Silk-Screening



Timesaver Machines (separate machines for aluminum and steel)



In-process Inspection



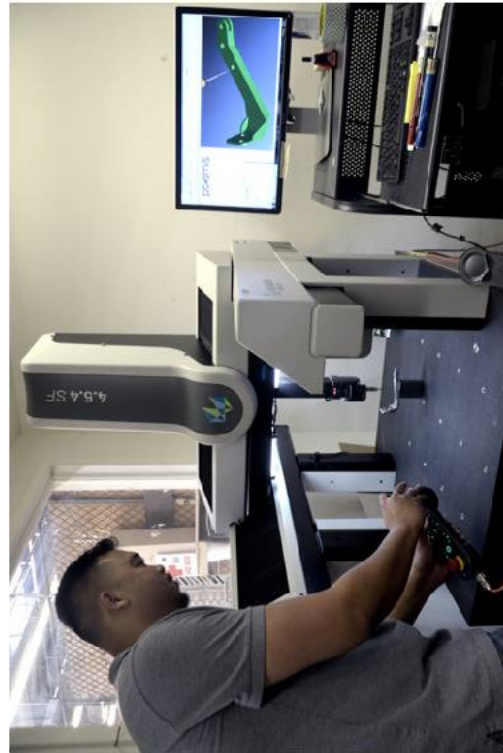
Hardware Installation



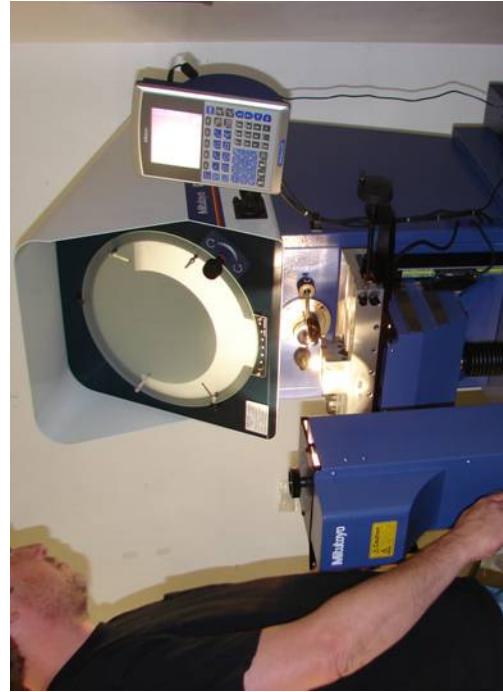
Baking Ovens



Paint Spray Booths



Machining Inspection (Brown & Sharpe CMM)



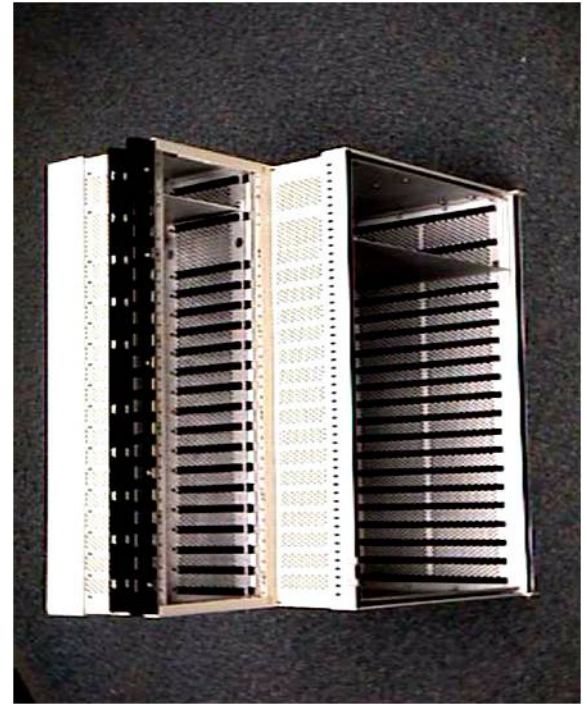
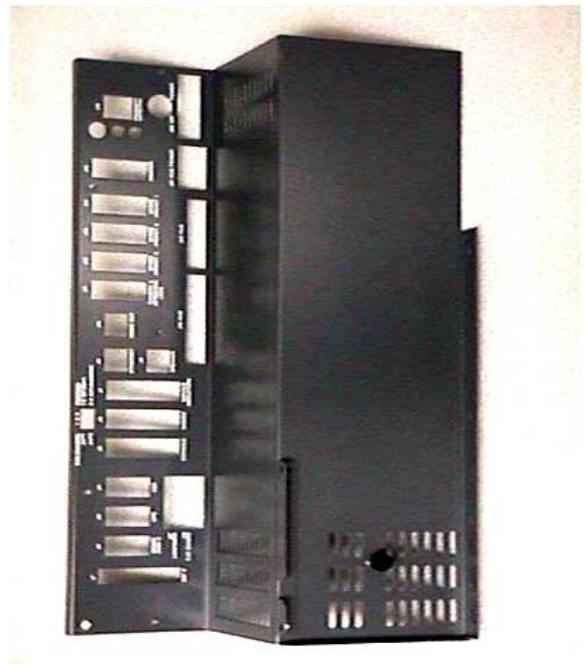
Final Inspection (Mitutoyo Comparator)



Various Sheet Metal Fabricated Parts



Chassis



Various Sheet Metal Fabricated Parts



Various Machined Parts





Part on Lathe only



Various Machined Parts





Certificate of Registration

This certifies that the Quality Management System of

Quality Fabrication, Inc.

9631 Irondale Avenue
Chatsworth, California, 91311, United States

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

AS9100C

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

COPY

Scope of Registration:

Single site: The manufacturing, machining and assembly of precision of fabricated parts.



Certificate Number:	C0259522-AS1
Certificate Issue Date:	19-NOV-2015
Registration Date:	18-NOV-2015
Expiration Date *:	17-NOV-2018

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 Registration 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



Certificate of Registration

This certifies that the Quality Management System of

Quality Fabrication, Inc.

9631 Irondale Avenue
Chatsworth, California, 91311, United States

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

ISO 9001:2008

Scope of Registration:

The manufacturing, machining and assembly of precision of fabricated parts.



Certificate Number: C0259522-ISR1
Certificate Issue Date: 19-NOV-2015
Registration Date: 18-NOV-2015
Expiration Date *: 14-SEP-2018

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

NSF International Strategic Registrations

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COPY



Supplier of the Year Award

Presented to

Quality Fabrication

**For Excellence in Quality, Cost,
Delivery, Service and Technical
Support in
2008**

COPY



National Minority Supplier Development Council (NMSDC)

Certifies that

Quality Fabrication, Inc.

is a bona fide Minority Business Enterprise certified by the:
Southern California Minority Supplier Development Council

NAICS Code(s): 332322, 332439

Quality Fabrication, Inc. has chosen to obtain SUBSCRIPTION SERVICES with the following NMSDC
Affiliate(s):

COPY

NMSDC
National Minority Supplier
Development Council

04/01/2015

Issued Date

04/01/2016

Expiration Date

Joset Wright-Lacy

Joset B. Wright-Lacy

National Minority Supplier Development Council, Inc.
1359 Broadway, 10th Floor, Suite 1000
New York, NY 10018

SC04288

Certificate Number

Virginia Davis

President, Southern California MSDC

Visit NMSDC Compliance Portal Powered by PRISM Compliance Management to validate this certificate and learn more about Quality Fabrication, Inc.

FLEXTRONICS

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 multi-media 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 commit-

ment 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. Multi-media and entertainment firms ranked fourth among the firms, with 169 companies, according to the analysis.

David Moraga, the chief operation officer of Chef America, cred-

ited 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 Rivero
Daily News Staff Writer

ChefAmerica Inc. Chief Executive Officer David Merage remembers when Mayor Richard Riordan's L.A.'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 550 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:

NAME: Natrol Inc.

ADDRESS: 21411 Prairie St., Chatsworth

BUSINESS: Vitamins and dietary supplements

EMPLOYEES: 120

FACILITY: 90,000 square feet.

NAME: Leslie's Poolmart Inc.

ADDRESS: 20630 Plummer St., Chatsworth

BUSINESS: retailer of swimming pool products

EMPLOYEES: 150 at headquarters

FACILITY: 38,000 sq. ft.

NAME: Quality Fabrication Inc.

ADDRESS: 9631 Irondale Ave., Chatsworth

BUSINESS: Sheet metal and machining.

EMPLOYEES: 200

FACILITY: 50,000 sq. ft.

NAME: 3M Pharmaceuticals

ADDRESS: 19901 Nordhoff St., Northridge

TYPE: Drug manufacturer.

EMPLOYEES: 450

FACILITY: 300,000 square feet.

NAME: ChefAmerica Inc.

ADDRESS: 9601 Canoga Ave., Chatsworth

BUSINESS: Frozen foods

EMPLOYEES: More than 550 in Chatsworth

FACILITY: 185,000 square feet.

MAP

