



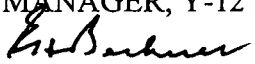
**Department of Energy**  
**National Nuclear Security Administration**  
Washington, DC 20585


April 4, 2003

MEMORANDUM FOR

MANAGER, LIVERMORE SITE OFFICE  
MANAGER, LOS ALAMOS SITE OFFICE  
MANAGER, NEVADA SITE OFFICE  
MANAGER, SANDIA SITE OFFICE  
MANAGER, KANSAS CITY SITE OFFICE  
MANAGER, PANTEX SITE OFFICE  
MANAGER, SAVANNAH RIVER SITE OFFICE  
MANAGER, Y-12 SITE OFFICE

FROM:

  
Everet H. Beckner  
Deputy Administrator  
for Defense Programs

  
C. S. Przybylek  
Chief Operating Officer

SUBJECT:

Investigation of the Use of Improperly Heat-Treated Aluminum  
Parts Supplied by Temperform USA

The purpose of this memorandum is to request that you investigate whether aluminum parts supplied by Temperform USA are in use in safety-related or mission-sensitive applications at your site. Improper heat-treating of aluminum parts by Temperform USA has resulted in decreased strength, reduced corrosion resistance, increased susceptibility to cracking, and reduced fatigue life of affected parts.

We are aware that considerable progress has already been made in resolving this issue through the efforts of your Quality Assurance Working Group member. However, it is not clear that the prior investigations were complete due to insufficient information available at the time. As such, you are requested to complete or verify that your investigation has been completed based on the lines of inquiry of Attachment 1.

Please provide a report documenting your investigation within 30 days of this memorandum. This will allow us to respond to the Defense Nuclear Facilities Safety Board's letter of February 14, 2003, on this issue in a timely manner.

Mr. Rabi Singh, Office of Operations and Construction Management (NA-124), will coordinate this effort for Defense Programs (NA-10). He may seek assistance from the National Nuclear Security Administration Service Center. Please assign a point of contact from your office to work with Mr. Singh in resolving this issue in a timely and efficient manner. Mr. Singh can be reached at (301) 903-5864.

2 Attachments



cc w/attachments:

D. Crandall, NA-11

D. Miotla, NA-117

M. Thompson, NA-117

D. Beck, NA-12

Col E. Schmidt, NA-121

M. Schoenbauer, NA-122

X. Ascanio, NA-124

M. Clausen, NA-125

T. D'Agostino, NA-13

K. Baker, NA-20

G. Rudy, NA-50

J. Mangeno, NA-3.6

R. Crowe, NA-3.6

T. Rotella, NA-53

A. Lane, NA-60

R. Hardwick, EH-2

M. Whitaker, S-3.1

## Temperform USA Lines of Inquiry

The investigation should address the following lines of inquiry to determine if your site has procured and/or used heat-treated aluminum materials/parts, components, or equipment supplied by Temperform USA or Temperform USA vendors.

- 1) Has site contractor(s) (including their subcontractors) procured or used materials/parts, components or equipment that may have been heat-treated, supplied, or tested by Temperform USA after May 1998?
- 2) Has site contractor(s) (including their subcontractors) procured or used materials/parts, components or equipment that may have been heat-treated, supplied, or tested by Temperform USA from vendors/suppliers identified on Attachment 2 after May 1998?
- 3) If materials/parts, components or equipment heat-treated, supplied or tested by Temperform or Temperform vendors were procured, were they identified as nonconforming and either removed or technically justified for use?
- 4) If you discover that site contractor(s) (or subcontractors) have or use material/parts, components, or equipment heat-treated, supplied, or tested by Temperform USA or Temperform USA vendors:
  - a) Determine whether these materials/parts, components or equipment are installed in any system performing a safety function (i.e., safety class or safety significant system), or if they are intended for use in a safety system but are still in inventory; or if installed or intended for use in mission-sensitive application. If you discover parts in safety systems, please perform an engineering evaluation to determine any reliability impact, if possible, remove these items from service immediately or during regular scheduled maintenance, and perform an engineering evaluation to qualify items that can be left in place, including technical justification for doing so.
  - b) Collect and track information on procurement and use of Temperform USA materials/parts, components or equipment for non-safety related systems or other mission-sensitive applications. Tracking the use of these potential nonconforming or suspect parts may be an issue because nonconforming parts can and have later ended up in safety and other applications.
- 5) Information collected should include the contractor/supplier/vendor by site, type of materials, and quantity. Other information, such as part number or model number and application/systems, may be useful information to share with other Department of Energy (DOE) sites.
- 6) Determine the cost associated with this investigation. The Office of the Inspector

General will attempt to recover the cost associated with the investigation. The cost should be broken into categories: total cost for man hours, total cost for disposition of material (i.e., replacement cost, scrap cost, etc.), total cost for travel (if any), and total cost for testing (if any). Backup documentation is not necessary to be submitted, but should be maintained by your respective sites in case the costs are changed later.

- 7) Identify training provided by the DOE and the contractor to ensure worker safety in the area of suspect counterfeit parts per DOE Order 440.1A, Worker Protection Management for DOE and Federal Contractor Employees.

COMPANIES WHO HAD PARTS PROCESSED AT TEMPERFORM and/or WHO APPROVED TEMPERFORM AS A VENDOR

4/28/02

A & A Machine & Development Co., Inc.	16626 Gramercy Place	Gardena	CA	90247	USA	(310) 532-7708
A & R Products	4040 Del Rey Ave., # 68	Marina Del Rey	CA	90292	USA	(310) 822-0417
ABN Industrial Company	6940 Dale Street	Buena Park	CA	90621	USA	(714) 521-0211
ACD Inc	23211 S Pullman St	Santa Ana	CA	92706	USA	(714) 261-7533
Ace Clearwater Enterprise	16815 Magellan Dr	Torrance	CA	90502	USA	(310) 536-2137
Ace Air Mfg., Inc.	1430 West 135 <sup>th</sup> Street	Gardena	CA	90248	USA	(310) 323-7246
Ace Soft Tooling, Inc.	315 East 157 <sup>th</sup> Street	Gardena	CA	90248	USA	(310) 324-3214
Ace Tube Bending	14 Journey	Aliso Viejo	CA	92656	USA	-
Accu-Fab	668-8 Birch Street	Lake Elsinore	CA	92530	USA	(909) 471-1197
Accurate Machining Co.	4620 N. Ronald Street	Handwood Heights	IL	60658	USA	(708) 867-4374
ACM (All Components Manufacturing) Co.	7607 Industry Ave.	Pico Rivera	CA	90660	USA	(662) 948-3335
Acme Enterprises, Inc.	6740 Thornwood Dr.	Goleta	CA	93117	USA	(805) 964-4757
Acro-Traco Corporation	5920 Dale Street	Buena Park	CA	90621	USA	(714) 522-8767
Advanced Aerodynamics & Structures	3205 Lakewood Blvd	Long Beach Airport	CA	90808	USA	(562) 938-8618
Advanced Metal Fab	3020 Las Hermanas Drive	Rancho Dominguez	CA	90221	USA	(310) 636-2000
Advanced Metalforming Technologies	5215 S. Boye Ave.	Los Angeles	CA	90058	USA	(323) 277-1070
Advanced Ground System Engineering Corporation	1265 N. Kraemer Blvd.	Anaheim	CA	92806	USA	(714) 632-0695
Advanced Precision Sheetmetal, Inc.	140 East 182 <sup>nd</sup> Street	Gardena	CA	90248	USA	(310) 324-9566
Advanced Tube Engineering, Inc.	18211 Enterprise Lane, Unit C	Huntington Beach	CA	92648	USA	(714) 847-7888
Aero Arc	2555 W. 237th St	Torrance	CA	90505	USA	(310) 534-8766
Aero Banding Co.	43328 N. Division Street	Lancaster	CA	93635-4644	USA	(818) 948-2363
Aero Metal	2150 N. Lark Drive	Fenton	MO	63026	USA	-
Aero Metals Division of AISI, Inc. (Kennedy Space Center)	PO Box 6009, 7005 Challenger Ave.	Titusville	FL	32783-5069	USA	(407) 289-1100
Aero Sheet Metal	43328 N. Division Street	Lancaster	CA	93635-4644	USA	(861) 805-8057
Aero Sheet Metal	11602 Dahougue St	North Hollywood	CA	91605-6189	USA	-
Aero Wheel and Brake Service Corp.	6900 Acce Street	Montebello	CA	90640	USA	(213) 727-8000
Aerochem, Inc.	2020 E. Siuason Ave.	Huntington Park	CA	90265	USA	-
Advance Pipe	1238 N. Knollwood Circle	Anaheim	CA	92801	USA	(714) 998-8313
Aggressive Engineering Corp.	1870 West Commonwealth	Fullerton	CA	92633	USA	(714) 441-1481
AHF DUGOmmon	PO Box 2310	Gardena	CA	90247-2310	USA	(310) 380-6390
Airbus		Paris			France	-
Airport Forming (aka: Ron's Metal Spinning)	17293 Darwin Ave, #12	Hesperia	CA	92345	USA	(760) 950-1050
AL Industries, Inc.	1641 East Gertrude Street	Santa Ana	CA	92705	USA	(714) 850-9133
AL-New Stamping Co. (aka: Quality Metal Stamping & Fabricating)	10801 Lower Azusa Road	El Monte	CA	91731	USA	(800) 877-7775
All Power Manufacturing C.	13141 Molette Street	Bartle Fe Springs	CA	90670-0140	USA	(662) 802-2640
All-Pro Precision Sheet Metal, Inc.	2950 East Imperial Hwy	Brea	CA	92621	USA	(714) 996-6170
Allied Signal		Torrance	CA		USA	-
Allen Uniford		Phoenix	AZ		USA	-
Alliant Bikes	12075 East Clark Street	Santa Fe Springs	CA	90670	USA	-
Ametek National Controls Corp.	848 Rancheros Drive	San Marcos	CA	92069	USA	(760) 746-3545
American Racing Custom Wheels	1726 Western Drive	West Chicago	IL	60185	USA	(630) 231-8335
AMP Research	19200 South Reyes Ave	Rancho Dominguez	CA	90221	USA	(310) 636-7806
Anaplex	23831 Ridge Route	Laguna Hills	CA	92653	USA	(949) 461-8990
Applied Medical Resources	15547 Garfield Ave	Paramount	CA	90723	USA	-
Arco Precision, Inc.	28081 Merit Circle, Building 101	Laguna Hills	CA	92653	USA	(714) 582-6120
Argo Spring Mfg. Co., Inc.	426 N. Fox Street	San Fernando	CA	91340	USA	(818) 361-5434
Arizona Aircraft Spares	13930 Shoemaker Ave.	Norwalk	CA	90880	USA	(862) 921-6741
Arrowhead Products	3431 E. Hemisphere Loop	Tucson	AZ	85705	USA	(520) 606-0666
Asil Aerospace, Inc.	4411 Katella Ave	Los Alamitos	CA	90720	USA	(714) 828-7770
Associated Machine Technology, Inc.	5812 Lurline Ave. #1	Chatsworth	CA	91311	USA	-
Atlas Copco Rotoflow	890 Mariner Street	Brea	CA	92621	USA	(714) 990-8178
Avanche Street Performance	540 E. Rosecrans Ave	Gardena	CA	90248	USA	(310) 229-9183
Ayres Corporation	18239 G. Figueroa St.	Gardena	CA	90248	USA	(310) 532-4388
Baja Pacific Light Metals, Corp	PO Box 3090, One Rockwell Ave	Albany	NY	31708	USA	(812) 883-1440
Bend-Tek, Inc.	15300 Valley View Ave	La Mirada	CA	90638	USA	(310) 404-7474
Benjamin Metal Company	6346 Industry Way	Westminster	CA	92583	USA	(714) 882-9306
BF Goodrich Aerospace	14000 S. Figueroa Street	Los Angeles	CA	90069	USA	(323) 321-1700
BF Goodrich Aerospace	850 Lagoon Drive	Chula Vista	CA	91910	USA	(619) 891-2249
BUS Industries	Bay Blvd at G Street, Bldg 79	Chula Vista	CA	91910	USA	(619) 691-2249
Blackburn-Melton Manufacturing Co.	2113 Border Ave	Torrance	CA	90501	USA	(310) 633-1081
Boeing Aircraft and Missile Systems	7525 Wynlea	Houston	TX	77061	USA	(713) 644-2366
Boeing Aircraft and Missile Systems	PO Box 88742	St. Louis	MO	63168-6742	USA	-
Boeing Commercial Airplane Group	8900 Frost Ave, Bldg 245	Berkeley	MO	63134	USA	-
Boeing Commercial Airplane Group	PO Box 3707	Wichita	KS		USA	-
Boeing Commercial Airplane Group	PO Box 3707	Seattle	WA	98124-2207	USA	(206) 682-6771
Boeing Commercial Airplane Group	Central Reserve Bldg 4-31 Legun & North Side Bldg	Renton	WA	98056	USA	-
Boeing Douglas Products Division	PO Box 2731	Long Beach	CA	90801	USA	-
Boeing Douglas Products Division	1412 B. Harborgate Way	Torrance	CA	90502	USA	-
Boeing Douglas Products Division	1219 North 2290 West Midvale Road	Salt Lake City	UT	84116	USA	-
Boeing Light Helicopter Division	5000 East McDowell Road	Mesa	AZ	85216	USA	(602) 891-2710
Boeing Space Systems	6301 Boise Ave	Huntington Beach	CA	92647	USA	-
Boeing Space Systems	5222 Rancho Road	Huntington Beach	CA	92647	USA	-
Bonded Technology, Inc.	14 Aloep Ridge Road	Cromwell	CT	06416	USA	(860) 636-1150
Braico Metals	16090 Northern Street	La Mirada	CA	90638	USA	(714) 736-4800
Bruce Industries, Inc.	101 Evans Ave	Dayton	NV	89403	USA	(702) 246-0451
Cal-Metal Manufacturing & Machining	395 Vernon Way	El Cajon	CA	92020	USA	(619) 588-9707
Cal Tax	16521 Vermont Ave	Paramount	CA	90723	USA	(562) 631-1616
Caigor Space Facility	12031 E. Philadelphia St	Whittier	CA	90601	USA	(310) 945-1681
California Av. Iron Corp	1873 Via Arado	Rancho Dominguez	CA	90226	USA	(310) 686-8800
California Furniture Components, Inc.	6780 Central Ave	Riverside	CA	92504-1420	USA	(909) 687-9255
California Metal Shaping	1704 Hooper Ave	Los Angeles	CA	90021	USA	(213) 746-5642
California Pipe & Bending	516 East 68 <sup>th</sup> Place	Los Angeles	CA	90003	USA	-
Candiac Machine Products, Inc.	17000 Keegan Ave	Carson	CA	90746	USA	(310) 864-3400
Center Tool & Machine Co.	6960 Hermosa Circle	Buena Park	CA	90620	USA	(714) 738-0715

Centarine Wheel Corporation	13521 Freeway Drive	Santa Fe Springs	CA	90670	USA	(562) 921-9637
Centarine Tool Corporation	13521 Freeway Drive	Santa Fe Springs	CA	90670	USA	(562) 921-9837
Central Machine & Tool, Inc.	805 Paso Robles Street	Paso Robles	CA	93446	USA	(805) 239-1685
Central Tool Corporation	13521 Freeway Drive	Santa Fe Springs	CA	90670	USA	(562) 921-9637
Centric Machine	12280 Race Track Road	Tampa	FL	33621	USA	-
Century Parts, Inc.	913 West 223 <sup>rd</sup> Street	Torrance	CA	90502	USA	(310) 328-0281
Certified Aviation Service	3198-H Airport Loop	Costa Mesa	CA	92626	USA	(714) 682-2441
Certified Aviation Service (DBA Orbital Sciences Corporation)	1301 Skyway Drive	Bakersfield	CA	93308	USA	(805) 391-4888
Chemtronics						
Cheny, LLC	1739 S. Clementine Street	Anaheim	CA	92802	USA	(714) 691-1950
C.M. Gordon Industries, Inc.	13750 Rosecrans Ave.	Santa Fe Springs	CA	90670	USA	(562) 483-7378
CNC Manufacturing	42158 Sarah Way	Temecula	CA	92590	USA	(909) 683-0088
Coast Aluminum & Architectural	687 Sandoval Way	Hayward	CA	94544	USA	(510) 441-8600
Coast Aluminum & Architectural (Processing)	10430 Shuener Drive	Santa Fe Springs	CA	90670	USA	-
Coast Metal Craft Inc	18518 Susana Road	Rancho Dominguez	CA	90221	USA	-
Conquest Industries	9915 Bell Ranch Drive	Santa Fe Springs	CA	90670	USA	(310) 537-0570
Consolidated Trading Co.(dba Olympic Aviation)	PO Box 2426, 612 E. Franklin Ave.	El Segundo	CA	90246	USA	(562) 906-1111
Continental Forge Co.	512 E. Carlin Street	Compton	CA	90222	USA	(310) 640-2247
Coulter Steel & Forge Co.	1494 87 <sup>th</sup> Street	Emeryville	CA	94606	USA	(213) 774-3220
Craftech Metal Forming	241000 E Water Street	Perite	CA	92670	USA	(610) 420-3500
Cramer Engineering Company	11110 Greenstone Ave	Santa Fe Springs	CA	90670	USA	(909) 940-6444
Cramer Engineering Company	11110 Greenstone Ave	Santa Fe Springs	CA	90670	USA	(562) 903-5656
Creative Pathways, Inc.	3121 Fujita Street	Torrance	CA	90505	USA	(662) 903-5556
Custom Metal Shapes	18209 1/2 Eucalyptus Ave	Bellflower	CA	90706	USA	(310) 530-1965
Custom Metal Spinning	12187-C Blauson Ave	Santa Fe Springs	CA	90670	USA	-
Custom Services, Inc.	810 West Hyde Park Blvd	Inglewood	CA	90302	USA	-
Cycle Science	190 Boesick Blvd	San Marcos	CA	92609	USA	(310) 670-7919
Cycle Science (dba SE Racing)	190 Boesick Blvd	San Marcos	CA	92609	USA	(760) 586-4270
Cygnus Inc	Emral Ind. Park, PO Box 456	Pondarey	ID	83662	USA	(760) 586-4270
Davidson Aluminum & Metal Corp.	100 West Industry Court	Deer Park	NY	11728	USA	(208) 263-4761
Deltafield Corporation	1520 Flower Ave.	Duarte	CA	91010	USA	(616) 586-9000
Data Fabrication, Inc.	9800 De Soto Ave	Chatsworth	CA	91311	USA	(826) 303-0740
Designing Specialties III	307 N. Euclid Way, Bldg G-3	Anaheim	CA	92801	USA	(818) 407-4000
Diamond National Glass Co. (Div. Of Diamond Worldwide Inc.)	6800 De Bla Drive	Paramount	CA	90723	USA	(714) 778-4360
Dirtmaster	848 Ranchoera Drive	San Marcos	CA	92669	USA	(662) 634-2100
D.M. Precision	5862 Adams Blvd.	Culver City	CA	90230	USA	(760) 748-3545
Downey Centerless Grinding	12323 Bellflower Blvd.	Downey	CA	90241	USA	(213) 938-7885
Duplicate Parts Company	168 Pacific Street	San Marcos	CA	92689	USA	-
Dura Plastic Products, Inc.	PO Box 2097, 533 East 3 <sup>rd</sup> Street	Beaumont	CA	92223	USA	-
Dynamic Enterprises, Inc.	10015 Greenleaf Ave	Santa Fe Springs	CA	90670	USA	(909) 845-3161
ECI Water Slt Products, Inc.	2060 Chicago Ave., Suite C-8	Riverside	CA	92507	USA	(662) 944-0271
Empire Screw Manufacturing Co.	747 N. Yale	Villa Park	IL	60161	USA	-
Estelrite TA Mfg. Company	PO Box 2500, 375 West Arden Ave.	Glendale	CA	91209-2500	USA	(630) 833-7060
Estelrite TA Mfg. Company	PO Box 0831, 28065 W. Franklin Parkway	Valencia	CA	91355	USA	(818) 240-1600
E.R.C. Company	2970 E. Merle St., Unit #8	Rancho Dominguez	CA	90221	USA	(805) 776-1100
Euro Engineering	23180 Del Lago Dr.	Laguna Hills	CA	92663	USA	(310) 803-2970
Evergreen Systems International	4740 Carl Questel	Camarillo	CA	90638	USA	(949) 770-0107
Express Metal Aerospace, Inc.	2808 West Pendleton	Santa Ana	CA	90274	USA	(805) 445-6492
EZTech Manufacturing	1200 Howard Drive	West Chicago	IL	60185	USA	-
F.D. Countours	175 Paulerino Ave	Costa Mesa	CA	92626	USA	(630) 293-0010
Falchid Fasteners	800 State College	Fullerton	CA	92831	USA	(714) 548-3030
Farr Wheel Concepts, Inc.	735 North Georgia Ave	Azusa	CA	91702	USA	-
Foam Molders & Specialties	20004 State Road	Cerritos	CA	90705	USA	-
Firth Bison Viking	1 Erik Circle	Verdi	NV	89439	USA	(562) 924-7757
Forged Metals Inc	10885 Beech Ave	Fontana	CA	92337	USA	-
Forrest Machining, Inc.	25544 Stanford Ave	Valencia	CA	91355	USA	(909) 350-9260
Frontier Technologies	16408 S. Figueroa St.	Gardena	CA	90248	USA	-
Full-Bore Ropes Products	424 W. Roland Ave.	Santa Ana	CA	92707	USA	(310) 767-1227
Furon Seals	3340 East La Palma	Anaheim	CA	92808	USA	(714) 436-0822
Furon Shared Service A/P	PO Box 198	Aurora	IL	44202	USA	(714) 630-5818
Gary Part Manufacturing	PO Box 368, 24198 Orline Ave, Dock #6	Perris	CA	92670	USA	-
Gary's Tees	817 Ocean Front Walk	Venice	CA	90291	USA	(800) 989-0909
General Kinetics, Incorporated	110 Sunray Drive	Johnstown	PA	15905	USA	(310) 392-3136
General Veneer Manufacturing Co.	PO Box 1807, 6052 Otis St	South Gate	CA	90280	USA	(814) 265-6991
Gilmore Metal	Pll 4, Box 98	Bishop	CA	93514	USA	(213) 684-2661
Giroux Glass, Inc.	850 West Washington Blvd	Los Angeles	CA	90016	USA	(760) 873-4972
Glen Sander Engineering	3155 Kaehne St.	Torrance	CA	90605	USA	(213) 747-7408
Globe Tool & Manufacturing Co., Inc.	730 24 <sup>th</sup> Ave SE	Minneapolis	MN	55414	USA	(310) 534-1210
GST Industries, Inc.	3601 West Central Ave.	Santa Ana	CA	92704	USA	(812) 331-6750
Hanmar Corporation (Herman's Metal Spinning Co.)	620 State Street	Glendale	CA	91209	USA	(714) 666-0444
Hardill Associates, L.L.C.	15505 Minnesota Ave.	Paramount	CA	90723	USA	(818) 240-0170
Hamilton Mold	1906 Quaker Ridge Road	Ontario	CA	91718	USA	(662) 531-1491
Harris Fibers & Composites, Inc. (aka Harris Composites International, Inc.)	14600 Freatone Blvd	La Mirada	CA	90638	USA	(909) 923-2787
Hatters Machining	5912 Clara Street	Bell Gardens	CA	90201	USA	-
Hi-Craft Metal Products	608 E. 184th Street	Gardena	CA	90248	USA	(562) 928-0209
Hi-Quality Alloys	12329 Telegraph Road	Santa Fe Springs	CA	90670	USA	(213) 921-8683
Hi-Tech Curving, Inc.	13211 Florence Ave	Santa Fe Springs	CA	90670	USA	(562) 941-3264
Hoover Glass, Inc.	1309 S. Eastern Ave	Los Angeles	CA	90022	USA	(562) 941-6888
Howe Welding & Fabrication	41218 Nick Lane	Murietta	CA	92562	USA	(213) 528-1390
Hydroform USA	2848 East 206th St	Long Beach	CA	90810	USA	(909) 698-6997
Hydrospin, Inc.	5281 Research Blvd	Huntington Beach	CA	92649	USA	(310) 622-0932
Hy-Tech Spinning Inc	115 W. Hyde Park Blvd	Inglewood	CA	90302	USA	(714) 898-8041
Iico Industries	1308 Mahalo Place	Rancho Dominguez	CA	90220	USA	(310) 673-4488
Image Casting	6656 Perkins Road	Orange	CA	92633	USA	(310) 631-8635
Intense Cycles	18273 Grand Ave.	Lake Elsinore	CA	92530	USA	(805) 986-1108
Independent Forge Co	692 N Batavia St	Orange	CA	92669	USA	(909) 476-4576
International Architectural Metal Works	577 E. Edna Place	Covina	CA	91723	USA	(714) 997-7337
					USA	(626) 332-5800

J & M Metal Spinning	4346 Conquista Ave.	Lakewood	CA	90713		USA	
J & M Metal Spinning	1433 1/2 Daisy Ave.	Long Beach	CA	90813		USA	
JC Carter						USA	
J.D. Welding & Fabrication	1420 S. Camerita Road	Norwalk	CA	90650		USA	(310) 404-0060
Jeramee Tool & Mfg.	9366 Abraham Way	Santee	CA	92701		USA	(819) 448-1220
J.S. Borew Mfg. Co.	7040 Laurel Canyon Blvd.	North Hollywood	CA	91815		USA	(818) 983-1716
J.W. Lytle Co., Inc.	1885 Sampson	Corone	CA	91719		USA	(909) 371-5794
Earl M. Jorgensen Co. (aka Jorgensen Steel & Aluminum)	PO Box 840, 1929 Main Luther King Jr. Blvd.	Lynwood	CA	90262		USA	(213) 663-6584
K & E Manufacturing, Inc.	1966 Freeman Ave	Signal Hill	CA	90804		USA	(562) 494-7870
Kapco						USA	
Ken Huff Racing Wheels	10827 Carrym Drive	Whittier	CA	90603		USA	(562) 843-6877
Kapner Plastics Fabricators, Inc.	3131 Lomita Blvd.	Torrance	CA	90505-5158		USA	(310) 325-3162
Kern Engineering & Mfg. Corp.	1146 East Ash Ave.	Fullerton	CA	92831		USA	(714) 992-9630
KR Pack Co.	285 East Thorpe Road	Las Cruces	NM	88005		USA	(505) 525-2120
KMC Wheel Co.	1456 Columbia Ave	Riverside	CA	92507		USA	(909) 784-6662
Kryler Corporation	1217 E. Ash Ave	Fullerton	CA	92831		USA	
Kuyper Machine Co., Inc.	16842 Hale Ave	Irvine	CA	92714		USA	(714) 863-0847
Lane & Roderick, Inc.	12640 Allard Street	Santa Fe Springs	CA	90670		USA	(562) 888-3466
Latch Mfg. aka Benton Machine Works	6100 US 1 North	St. Augustine	FL	32086		USA	
Lige International Corp.	650 Via Alondra	Camarillo	CA	91310		USA	
Ling Electronics	4890 E. La Palma Ave	Anaheim	CA	92807		USA	(714) 779-1900
Lookhead Martin Airparts, Inc.	221 Industrial Park Rd.	Johnstown	PA	15904-1981		USA	(814) 262-3000
Marvin Engineering Co	200 W Beech Ave	Inglewood	CA	90302		USA	(310)674-6000
Matto Forge Inc	18443 Minnesota Ave	Paramount	CA	90723		USA	(562) 834-8638
McStarline Company	1531 W. 240th Street	Harbor City	CA	90710		USA	(310) 325-2053
Mechanical Metal Finishing Co.	15220 Broadway	Gardena	CA	90248		USA	(310) 321-1071
Metal Center	12034 Greenstone Ave	Santa Fe Springs	CA	90870		USA	(562) 944-3322
Metal Forming Mechanics, Inc.	5216 S. Boyle Ave.	Los Angeles	CA	90058		USA	(323) 688-5000
MetalPro Industries, Inc.	28064 Ave. Stanford, Unit 4	Valencia	CA	91355		USA	
Metroline (A Division of Metro-Line Ind., Inc.)	251 Corporate Terrace	Corona	CA	91719		USA	(909) 371-2500
M-I-M Electrolog, Inc.	5215 S. Boyle Ave.	Los Angeles	CA	90058		USA	(213) 888-5000
Miladin Ind.	8821 Suva Street	Bell Gardens	CA	90201		USA	(562) 928-0668
Millenium Alloy Wheels	400 S. Lemon Street	Anaheim	CA	92805		USA	(714) 533-0715
Mustang Engineering Co.	12141 Riviera Road	Whittier	CA	90606		USA	(562) 896-0734
North Specialty Products (A Division of Slabe North, Inc.)	2664-B Saturn Street	Brea	CA	92621		USA	(714) 524-1655
North Safety Products (A Division of Slabe North, Inc.)	2664-B Saturn Street	Brea	CA	92621		USA	(714) 524-1655
Northrup Grumman Commercial		Hawthorne				USA	(714) 524-1655
Northrup Grumman Commercial		Dallas					
Northrup Grumman Military		Melbourne					
Northrup Grumman Military Tactical Fighter Division		El Segundo					
Oak Alloy Wheels	400 S. Lemon Street	Anaheim	CA	92805		USA	(714) 533-0175
Olympic Aviation	PO Box 2426, 612 E. Franklin Ave.	El Segundo	CA	90245		USA	(310) 640-2247
Olympic Aviation (aka Consolidated Trading Co.)	PO Box 2425, 612 E. Franklin Ave.	El Segundo	CA	90245		USA	(310) 640-2247
Omeg Manufacturing, Inc.	1617 West 130th Street	Gardena	CA	90249		USA	(310) 632-6874
Optima Wheels, Inc.	18300 Valley View Ave	La Mirada	CA	90638		USA	(562) 404-7474
Orbital Aircraft Operation Base	1301 Skyway Drive	Bakersfield	CA	93308		USA	(805) 391-4888
Orbital Sciences Corporation	1301 Skyway Drive	Bakersfield	CA	93308		USA	(805) 391-4888
Orbital Sciences Corporation (aka Certified Aviation Services)	1301 Skyway Drive	Bakersfield	CA	93308		USA	(805) 391-4888
P & P Fabrication	16112 Laffingwell Road	La Mirada	CA	90638		USA	
P P Manufacturing, Inc.	13130 Arctic Circle	Santa Fe Springs	CA	90870		USA	(562) 921-3640
Pacific Coast Alloy, LLC	1818 E. Rosalynn Ave.	Fullerton	CA	92631		USA	(714) 871-2490
Pacific Defense Products	817 S. Lakeview Ave., Suite G	Placentia	CA	92870		USA	(714) 777-1636
Paramount Roll & Forming, Inc	12120 E. Florence Ave.	Santa Fe Springs	CA	90670		USA	(310) 844-4232
Paramount Spring Engineering Co., Inc.	13721 Bora Drive	Santa Fe Springs	CA	90870		USA	(562) 921-2766
Paragon Sports Products, LLC	1264 South Lyon Street	Santa Ana	CA	92705		USA	(714) 835-6131
Performance Forged Products	7401 Telegraph Road	Montebello	CA	90640		USA	(213) 722-3460
Pervan Industries	1716 Kona Drive	Compton	CA	90220		USA	(310) 839-6331
Phillips	13859 Rosecrans Ave., Units B & C	Santa Fe Springs	CA	90670		USA	(310) 921-4112
Phillips Metal Spinning, Inc.	13859 Rosecrans Ave., Units B & C	Santa Fe Springs	CA	90670		USA	(310) 921-4112
Phillips Steel Co.	1388 W. Anaheim Street	Long Beach	CA	90813		USA	(562) 435-7671
Pleko Tech Intl, Inc.	15701-N Rockfield	Irvine	CA	92716		USA	(714) 458-1880
Precision Machining Sheetmetal	2260 n. Forbes, Suite 101	Tucson	AZ	85745		USA	(520) 822-0060
Precision Resources, California Division	5603 Engineer Drive	Huntington Beach	CA	92649		USA	(714) 891-4439
Precision Tube Bending	13826 Talc St	Santa Fe Springs	CA	90870		USA	(310) 921-6723
ProLane Industries	154 S. Valencia Street	Glendora	CA	91741		USA	(818) 335-3838
Pro-Mill, Inc.	1500 N. Kramer Blvd, Unit N	Anaheim	CA	92806		USA	(714) 630-2082
Process Fab, Inc.	15644 Clanton Circle	Santa Fe Springs	CA	90670		USA	(562) 921-1979
Pyrolak, Inc	9740 Jordan Circle	Santa Fe Springs	CA	90870		USA	(562) 946-2402
Quick Draw & Machining, Inc.	4889 McGrath Street	Ventura	CA	93003		USA	(805) 844-7884
Racing Sports Alkmdo Co., Inc.	3829 E. Guasti Road, Unit A	Ontario	CA	91761		USA	(909) 805-0688
Rays Aircraft Service	1893 S. Newcomb	Porterville	CA	93257		USA	(209) 764-9110
R & B Machine	5179 Brooks, Unit A	Montclair	CA	91763		USA	(909) 821-2193
RC Fluid Engineering, Inc.	1815 West 206th Street, Suite 203	Torrance	CA	90501		USA	(310) 782-8025
RD Fabricators, Inc.	640 North Eckhoff	Orange	CA	92868		USA	(714) 834-2078
Regent Mfg., Inc.	11905 Regentview Ave.	Downey	CA	90241		USA	(562) 862-1174
Reliance Metal Center	5715 Jefferson Street, N.E.	Albuquerque	NM	81109		USA	(805) 345-0959
Reo Metal Fabricators, Inc.	1221 E. Warner Ave	Santa Ana	CA	92708		USA	(714) 842-2104
Research Metal Industries	8050 S. Western Ave., PO Box 47630	Los Angeles	CA	90047-0630		USA	(213) 753-3771
Rinea Nacionalis, S.A.	Carratera Tecate-Ensenada KM 4	Tecate B.C.				Mexico	011 52 885
Roband International, Inc.	1430 Hill street	El Cajon	CA	92020		USA	(619) 447-3838
Rohr, Inc (Acquired by BF Goodrich)	850 Lagoon Drive	Chula Vista	CA	91919		USA	(619) 691-2249
Rohr, Inc (Acquired by BF Goodrich)	Bay Blvd at G Street, Bldg 79	Chula Vista	CA	91910		USA	(619) 691-2249
Robreux Cycles	1317 Fairwood Ave	Clewwater	FL	34619		USA	(813) 726-5116
Robinson Helicopter	2801 Airport Drive	Torrance	CA	90505		USA	(310) 539-0509
Rolls Royce						USA	
Rony's Metal Spinning (aka Airport Forming)	17293 Darwin Ave. #12	Hesperia	CA	92346		USA	(760) 956-1060
Rony Manufacturing, Inc.	PO Box 1038	Blue Lake	CA	95526		USA	(707) 868-1667
Santa Fe Roll & Forming Co.	12120 Florence Ave.	Santa Fe Springs	CA	90670		USA	(562) 944-7885

Sargent Fletcher Inc	9400 E Flair Ave	El Monte	CA	91731-2909			
Sabco, Inc.	1601 E. El Segundo Blvd.	El Segundo	CA	90246		USA	(628) 402-2000
Safelite Mfg. Co.	13151 E. Florence Ave.	Santa Fe Springs	CA	90670		USA	(310) 322-4710
Schultz Engineering Corp.	5785 Thornwood Drive	Goleta	CA	93117-3601		USA	(714) 739-4406
Seepko Tube Swaging & Machining	17000 S. Western Ave., #17	Gardena	CA	90247		USA	(805) 964-2294
S.E. Racing	190 Boastick Blvd	San Marcos	CA	92069		USA	(310) 515-8767
S.E. Racing (dba Cycle Science)	190 Boastick Blvd	San Marcos	CA	92069		USA	(619) 598-9270
Senior Fabrics, Inc. Stainless Steel Products Division	2980-N San Fernando Blvd	Burbank	CA	91504-2566		USA	(519) 598-9270
Sky Rider Equipment Co., Inc.	2861 E. White Star Ave., Suite B	Anaheim	CA	92808		USA	(818) 841-9190
Skyspace Parts, Inc.	16700 Figueroa	Gardena	CA	90248		USA	(714) 632-8890
SMS Technologies Co.	9711 Mason Ave	Chatsworth	CA	91311		USA	(909) 361-0770
Sonferal, Inc.	5000-3100 La Jolla	Anaheim	CA	92806		USA	(818) 598-0733
Southwest United Industries	422 South Saint Louis	Tulsa	OK	74120		USA	(714) 830-7280
Southern California Metals	9970 Bell Ranch Drive	Santa Fe Springs	CA	90670		USA	
Specialty Fabrications, Inc.	2221 Maders Road	Simi Valley	CA	93065		USA	(562) 941-1816
Spin-Mex, Inc.	10628 Dolores Ave	South Gate	CA	90280		USA	(805) 579-9730
Square Tool & Machine Co., Inc.	9730 Factorial Way	So. El Monte	CA	91733		USA	
Standard Industries, Inc.	1440 S. Allec Street	Anaheim	CA	92805		USA	(626) 442-4457
Stein Industries, Inc.	4005 West Artesia Ave.	Fullerton	CA	92833		USA	(714) 956-7110
Superior Engineering	10794 Los Vaqueros Circle	Los Alamitos	CA	90720		USA	(714) 522-4560
Supreme Castings & Pattern Co., Inc.	1165 Kraemer Place	Anaheim	CA	92808		USA	(714) 995-8422
Swift-Car	344 W 157th St	Gardena	CA	90248		USA	
T-D Materials	2068 E. 37th Street	Los Angeles	CA	90068		USA	(310) 354-1200
Tech-Gen Corp.	11220 South Garfield	South Gate	CA	90280		USA	(323) 232-6171
Techform Metal Curving, Inc.	375 S. Cactus Ave	Rialto	CA	92378		USA	(562) 923-4585
Teledyne Ryan						USA	(909) 877-8886
The Trident Company	1430 E. Walnut Ave.	Fullerton	CA	92631		USA	
Threaded Fastener Engineering	1714 S. Grove Ave, Unit B	Ontario	CA	91762		USA	(714) 441-2796
Thermay Metals	2600 Marine Ave	Radondo Beach	CA	90278		USA	(909) 923-8787
Tomic Golf & Ski Co. Mfg. Inc.	23102 Mariposa Ave	Torrance	CA	90502		USA	(310) 676-0184
Triforce	4450 A Dupont Court	Ventura	CA	93003		USA	(213) 776-8162
Troy Lighting, Inc., Custom Division	14625 East Clark Ave.	Industry	CA	91745		USA	
True Form (TFI Acquisition Inc dba)	12120 Park St	Cerritos	CA	90703		USA	(626) 336-4611
Trident Products						USA	(310) 926-9519
Trio Metal Stamping	16318 East Proctor Ave.	Industry	CA	91746			
Tube Technologies, Inc.	1566 Consumer Circle	Corona	CA	91720		USA	(626) 336-1228
Tuo Tool & Die Co., Inc.	3340 West El Segundo Blvd.	Hawthorne	CA	90250-4892		USA	(909) 371-4878
University Corporation for Atmospheric Research	PO Box 3000, 1860 Table Mesa Drive	Boulder	CO	80307-3000		USA	(213) 772-1335
University of California at Irvine, Physical Sciences Dept.	Reines Hall, Room B003	Irvine	CA	92697-4675		USA	(303) 497-8787
Vesolo Threading Co.	14002 Anson Ave	Santa Fe Springs	CA	90670		USA	(949) 824-8048
Warning, Inc.	8511 Whitaker Ave.	Buena Park	CA	90821		USA	(562) 802-1888
Weber Metals & Supply Co., Inc.	PO Box 318, 18706 Garfield Ave.	Paramount	CA	90723-0318		USA	(714) 623-3055
Wells Manufacturing Co.	PO Box 280, 2 Erik Circle	Yardl	NV	89439		USA	(662) 692-0260
Western Machining Company, Inc.	1370 Acacia Ave	Fullerton	CA	92831-5318		USA	(715) 346-0444
Western Metal Spinning & Mfg. Co.	5055 Western Way	Perris	CA	92572		USA	(714) 502-9066
Wills Machine, Inc.	1445 Donlon Street, Suite 3	Ventura	CA	93003		USA	(805) 667-0711