



Alard Engineering LLC

DBA Alard Machine Products DBA Heinz Engineering DBA Universal Screw Products Equipment & Facilities List

EQUIPMENT LIST

CNC TURNING (30)

2	MORI SEIKI	NLX 2500SY, 5-AXIS, W/ "C" AXIS & "Y" AXIS MILLING, 10"
1	MORI SEIKI	NL2000, 5-AXIS, W/ "C" AXIS MILLING, 8"
3	MORI SEIKI	SL-150, 4-AXIS, W/ "C" AXIS MILLING, 6"
1	MORI SEIKI	SL-200 SMC, 8-1/4" TURN CAP, TWIN SPINDLE, 5-AXIS, 8"
1	OKUMA	LU3000 EX-1000, 4-AXIS, 2 TURRETS, 10"
1	OKUMA	LU3000 EX-600, 4-AXIS, 2 TURRETS, 8"
5	OKUMA	LU-15-2", 4-AXIS, 2 TURRETS, 8"
1	OKUMA	CROWN I 1060 S, W/ AUTO BAR LOADER, 2-AXIS, 8"
4	OKUMA	ES-L6 II, 2-AXIS, 6"
1	OKUMA	LB-10 II HIGH SPEED CNC LATHE, 2-AXIS, 6"
5	HARDINGE	CONQUEST SUPER PREC GT BARFEED, 4" W/ LIVE TOOLING
3	HAAS	SL-20 LATHE W/ BAR LOADER
1	UPGRADE TECH.	ACCUTURN PRODIGY GT 27 CNC CHUCKER, 3-AXIS, 4"
1	MIYANO	LZ-014 ROBOTIC LOADER CHUCKER, 3-AXIS, W/ "C" AXIS MILLING, 2"

CNC MILLING (36)

2	MORI SEIKI	NH 4000 DCG HORIZONTAL MILL W/ 2 PALLETS, 4-AXIS, 120 TOOLS, PROBING, 14,000 RPM, 22" x 22" x 25"
1	MORI SEIKI	NH 5000/40 HORIZONTAL MILL W/ 2 PALLETS, 4-AXIS, 60 TOOLS, PROBING, 14,000 RPM, 25" x 24" x 26"
1	MORI SEIKI	NH 5000/40 HORIZONTAL MILL W/ 6 PALLETS, 4-AXIS, 120 TOOLS, PROBING, 14,000 RPM, 25" x 24" x 26"
4	HAAS	VMC MINI MILLS, 6,000 RPM, 16" x 12" x 10"
4	HAAS	VF-2 SS VMC, 4-AXIS, PROBING, 12,000 RPM, 30" x 16" x 20"
6	HAAS	VF-3 VMC, 4-AXIS, PROBING, 10,000 RPM, 40" x 20" x 25"
2	HAAS	VF-3 YT VMC, 40 TAPER, 5-AXIS, 8,100 RPM, 40" x 26" x 25"
1	HAAS	VF-3 YT VMC, 50 TAPER, 5-AXIS, 7,500 RPM, 40" x 26" x 25"
1	HAAS	VF-3
3	HAAS	VF-4 VMC W/ 2 PALLETS, 4-AXIS, 32 TOOLS, PROBING, 10,000 RPM, 50" x 20" x 25"
1	HAAS	VF-4 4-AXIS
1	HAAS	VF-4, 5-AXIS, 50" x 20" x 25"
1	HAAS	VF-5 VMC, 5-AXIS, 10,000 RPM, 50" x 26" x 25"
1	HAAS	VF-6 SS VMC W/ PROBING GLASS SCALES, 5-AXIS, 12,000 RPM, 64" x 32" x 30"
1	HAAS	VF-6 VMC, 50 TAPER, 5-AXIS, 7,500 RPM, 64" x 32" x 30"
1	HAAS	VF-6
1	MORI SEIKI	NMV-3000, 17" x 14" x 17"
1	MORI SEIKI	NMV-5000, 28" x 20" x 20"
1	YAMASEIKI SEIKI	VMB1020, 40" x 24" x 24"
1	KITAMURA	MYCENTER 2X, 20" x 14" x 20"
1	MIYANO	TSV-31 VMC, DRILL/TAP, 4-AXIS, 5,000 RPM, 16" x 12" x 10"

SWISS CNC (6)

1	STAR	SB-16, 16mm CAP, W/ DRIVEN TOOLS, 5-AXIS
2	TSUGAMI	BO-205 MARK II, 20mm CAP, W/ AUTO BAR LOADER, 6-AXIS
2	TSUGAMI	BS-20 MARK III, 20mm CAP, W/ AUTO BAR LOADER, 8-AXIS
1	TSUGAMI	S205, 20mm CAP, W/ AUTO BAR LOADER, 5-AXIS



Alard Engineering LLC

DBA Alard Machine Products DBA Heinz Engineering DBA Universal Screw Products Equipment & Facilities List

ROBOTIC WELDING (1)

1 MILLER PERFORMARC PA350S ROBOTIC WELDER

EDM (1)

1 SODICK WIRE EDM MACHINE

AUTOMATIC SCREW MACHINES (50)

3 EUROTURN 6-SPINDLE BAR MACHINE, 1-5/8"
5 ACME GRIDLEY RA-6. 6-SPINDLE BAR MACHINE, 1-1/4"
3 DAVENPORT MODEL "B", 3/4" LONGBED
37 BROWN & SHARPE CAP. FROM 1/6" DIA. TO 2-3/8" DIA.
2 TRAUB A-25, 1"

PRODUCTION GRINDERS & HONES (12)

1 OKUMA GA-25T CNC ANGLE HEAD GRINDER
4 CINCINNATI MODEL OM CENTERLESS GRINDER
4 HARIG SURFACE GRINDER, 6" x 18"
1 TSCHUDIN HTG 442, AUTOMATIC, ANGLE HEAD GRINDER
2 SUNNEN MODEL ML 3500 HIGH PRODUCTION HONE

SECONDARY & SHOP SUPPORT

5 HAAS 5-AXIS TR 210 CNC TRUNNION TABLES
2 HAAS 5C 5-AXIS 3 HEAD ROTARY INDEXER
10 HAAS 5C INDEXING HEAD SERVO CONTROL
1 HARDINGE 5C 4-HEAD ROTARY INDEXER
6 MCLEAN 750 2ND OPERATION CHUCKER
1 BROTHER TAPPING MACHINE (HIGH TAP)
1 SNOW DR-2 DRILLING MACHINE
1 CLAUSING LATHE 12" x 36" W/ TRACER ATTACHMENT
3 MORI SEKI ENGINE LATHE 14" x 36"
3 TUDA LATHE POLISHING LATHE
2 HARDINGE DV-59 TURRET LATHE
3 BRIDGEPORT BRIDGEPORT TYPE MILLING MACHINE
10 NICHOLS HORIZONTAL MILLING MACHINE
2 J.A.M. 5 TON PUNCH PRESS
2 APEX DISC SANDER, 16"
4 AMADA #250 PRODUCTION BANDSAW
1 BEWO CUTOFF SAW
3 POWERMATIC BANDSAW
2 DAREX AIR BEARING ENDMILL SHARPENER
2 RAMCO 3 STAGE AQUEOUS PARTS WASHER
1 RANSOHOFF IMMERSO-JET MIDI PROD AQUEOUS PART WASHER W/ ZERO DISCHARGE
1 ULTRA SONIC CLEANING SYSTEM
1 BARRETT OIL CLARIFIER



Alard Engineering LLC

DBA Alard Machine Products DBA Heinz Engineering DBA Universal Screw Products

Equipment & Facilities List

1	BARRETT	OIL EXTRACTOR MODEL #1100
1	XYBEX	COOLANT RECYCLING SYSTEM
1	XYBEX	YELLOW BELLIED SUMP SUCKER
10	VARIOUS	DRILL PRESS, VARIOUS SIZES
3	C&M TOPLINE	VIBRATORY FINISHING SYSTEM, MOD 300
1	HAMMOND	ROTO FINISH VIBRATORY FINISHER
1	SULAIR	50HP ROTARY SCREW AIR COMPRESSOR
1	INGERSOLL-RAND	ROTARY SCREW AIR COMPRESSOR
2	INGERSOLL-RAND	AIR COMPRESSOR, 10 HP
3	HYSTER	8,000-LB FORKLIFT
1	TAYLOR DUNN	ELECTRIC SHOP TRUCK

PROGRAMMING & ENGINEERING SOFTWARE

-	MASTERCAM	CNC/CAD/CAM SOFTWARE
-	ESPRIT	SWISS MILL TURN CNC SOFTWARE
-	CATIA	V6 MODEL SOFTWARE
-	SMS, INC.	PC-DNC PLUS
-	AUTODESK	AUTOCAD LT
-	SOLIDWORKS	CAD DRAWING & VIEWERS
-	DELL	16-TERABYTE EQUALLOGIC SAN SERVER HARDWARE
-	HENNING	VISUAL ESTITRACK ERP SYSTEM & VISUAL BOOKS ACCOUNTING SOFTWARE

CMM EQUIPMENT

2	BROWN & SHARPE	XCEL 7.10.7, BRIDGE DCC, 28" x 35" x 23" CMM
-	HEXAGON	PC-DMIS CMM INSPECTION SOFTWARE

SPC & CALIBRATION SOFTWARE

6	CIMWORKS	GAGETALKER REALTIME SPC WORKSTATIONS W/ VISUAL SPC DATA COLLECTION
-	CYBERMETRICS	GAGETRAK CALIBRATION SOFTWARE

QUALITY & INSPECTION EQUIPMENT

2	OASIS	OPTICAL PROFILE INSPECTION, 0.0001" ACCURACY
1	KEYENCE	OPTICAL MEASUREMENT SYSTEM
1	LUXCOR	15X-83X VIDEO MICROSCOPE
1	MITUTOYO	LASER MICROMETER VIDEO MICROSCOPE
6	MICRO-VU	COMPARATOR, 14 W/ MICRO-VU Q16 COMPUTERS
1	WILSON	543T ROCKWELL HARDNESS TESTER, REGULAR & SUPERFICIAL TESTING, AUTO ELECTRONIC LOADING W/ PROGRAMMABLE DIGITAL READOUT
10	SUNNEN	0.000050 PRECISION HOLE GAGE PG-800E
3	WESTERN GAGE	MICRO-AIR COMPARATOR MITUTOYO HOLTEST SET, 1/4" TO 2", DIATEST BORE GAGES & TEST STAND
50	UNIVERSAL	THREAD COMPARATORS
1	BAUSCH & LOMB	7X-30X MICROSCOPE, BINOCULAR
1	FISCHER	COATING THICKNESS MACHINE DUALSCOPE
1	VARIOUS	LOT 50 CERTIFIED RING/PLUG MASTER GAGE (AS REQ'D)
1	VARIOUS	LOT 300 + ASSORTED THREAD RING/PLUG (AS REQ'D)



Alard Engineering LLC

DBA Alard Machine Products DBA Heinz Engineering DBA Universal Screw Products

Equipment & Facilities List

4	JOHNSON, ZERO SYS.	DIGITAL/ SPC THREAD PITCH COMPARATORS, W/ MITUTOYO DIALS
6	MAHR	INDUCTIVE DIAL COMPARATOR #2001 (DROP INDICATOR)
4	MANTIS	6X-10X MICROSCOPE
10	MITUTOYO	SPC OUTPUT CALIPERS 6"
20	MITUTOYO	DIGITAL/SPC DROP INDICATOR
3	MITUTOYO	GAGE BLOCK SET, CERTIFIED TO NIS
1	MITUTOYO	0-16" MICROMETER SET
65	MITUTOYO	SPC OUTPUT MICROMETER TO 2"
3	MITUTOYO	#211 SURTEST, SURFACE FINISH TESTER
4	MUELLER	RECESS DIAMETER GAGE
6	ST. MARY	ROTARY V-BLOCK (CONCENTRICITY TESTING)
10	STANDRIDGE	GRANITE SURFACE PLATE
3	US GAGE, IDEAL	PLUG GAGE SET TO 1"
1	BUTECH	STATIC PRESSURE TEST STAND TO 30,000 PSI, 24" X 28" X 47" (HSF-225)

FACILITIES LIST

TOTAL BUILDINGS (5)	50,500 Sq. Ft.
Manufacturing	36,500 Sq. Ft.
General offices	4,000 Sq. Ft.
Inspection, Quality Control	1,700 Sq. Ft.
Shipping, Receiving, Stock	8,000 Sq. Ft.
Chemical Storage	300 Sq. Ft.

CONTACT INFORMATION

Sales, purchase orders, & general inquiries	Sales@alardmachine.com
Requests for quotes (RFQs)	Estimating@alardmachine.com
Accounts Receivable	AR@alardmachine.com
Accounts Payable	Payables@alardmachine.com
Quality	Quality@alardmachine.com
Phone	(310) 323-4374
Address (billing, shipping, & mailing)	1629 West 132 nd Street, Gardena, CA 90249-2005