

Calmax Technology Inc. Facility List

NEW DMU50 DECKEL MAHO 5 AXIS UNIVERSAL MILLING MACHINE

DECKEL MAHO-DMU 50	(1 EACH)	TRAVEL 19.7"X17.7"X15.7" 18,000 RPM SPINDLE 60 TOOL CHANGER DMG CONTROL
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A55 HORIZONTAL CELL MACHINING CENTER 38 PALLET CAPACITY

<i>MAKINO-A55 DELTA</i>	(2 EACH)	Travel: 22.00" x 22.00" x 22.00" 14000-RPM Spindle 208 Tool Magazine (ATC) A2 Makino Control 1° Indexing Table
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<i>MAKINO-A55 DELTA</i>	(1 EACH)	Travel: 22.00" x 22.00" x 22.00" 14000-RPM Spindle 208 Tool Magazine (ATC) A2 Makino Control Full 4 th Axis
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<i>MAKINO-A55E</i>	(1 EACH)	Travel: 22.00" x 22.00" x 22.00" 14000-RPM Spindle 228 Tool Magazine (ATC) A2 Makino Control Full 4 th Axis
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A88 HORIZONTAL CELL MACHINING CENTER 12 PALLET CAPACITY

<i>MAKINO-A88</i>	(1 EACH)	Travel: 35.4" x 31.5" x 38.2" 12000-RPM Spindle 244 Tool Magazine (ATC) B2 Makino Control Full 4 th Axis
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<i>MAKINO-A88</i>	(1 EACH)	Travel: 35.4" x 31.5" x 38.2" 12000-RPM Spindle 244 Tool Magazine (ATC) B2 Makino Control Full 5 th Axis
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A77 HORIZONTAL CELL MACHINING CENTER 12 PALLET CAPACITY

MAKINO-A77

(3 EACH)

Travel: 31" x 29" x 26"
12000-RPM Spindles

HORIZONTAL MACHINING CENTER

MATSUURA MAM-500HG-PC11

(1EACH)

Travel: 19.5" x 18.5" x 17.7"
15000-RPM Spindle
Fanuc 18iM Control
Full 4th Axis

MATSUURA ES-450HII-PC5

(1EACH)

Travel: 17.5" x 15.7" x 15.7"
15000-RPM Spindle
Fanuc 18iM Control
Full 4th Axis

MATSUURA ES-450H

(2 EACH)

Travel: 17.5" x 15.7" x 15.7"
10000-RPM Spindle
Fanuc 18iM Control
Full 4th Axis

CNC VERTICAL MILL (SINGLE SPINDLE)

MAKINO S56

(4 EACH)

Travel: 35.4" x 19.4" x 17.7"
13000-RPM Spindle
Fanuc Control
20 Tool Magazine

MAKINO S56

(1 EACH)

Travel: 35.4" x 19.4" x 17.7"
13000-RPM Spindle
Fanuc Control
30 Tool Magazine

MAKINO S33

(1 EACH)

Travel: 25.6" x 19.7" x 17.7"
13000-RPM Spindle
Fanuc Control
20 Tool Magazine

MAKINO S33

(1 EACH)

Travel: 25.6" x 19.7" x 17.7"
13000-RPM Spindle

		Fanuc Control 20 Tool Magazine Pallet Changer
MATSUURA MC-510V	(1EACH)	Travel: 20.0" x 14.0" x 18.1" 8000-RPM Spindle Yasnac I-80 Control

CNC VERTICAL MILL (SINGLE SPINDLE)

MATSUURA MC-510V	(2 EACH)	Travel: 20.0" x 14.0" x 18.1" 6000-RPM Spindle Yasnac MX3
MATSUURA MC-600VF	(3 EACH)	Travel: 23.6" x 16.1" x 18.5" 8000-RPM Spindle Yasnac I-80 Control
MATSUURA MC-800VF	(1 EACH)	Travel: 31.5" x 17.3" x 19.1" 8000-RPM Spindle Yasnac I-80 Control
HAAS VF-2SSYT	(3 EACH)	Travel: 30.0" x 20.0" x 20.0" 12000-RPM Spindle HAAS Control Visual Code Probing Systems 24 Tool Magazine
HAAS VF-3SSYT	(1 EACH)	Travel: 40.0" x 26.0" x 25.0" 12000-RPM Spindle HAAS Control Visual Code Probing Systems 40 Tool Magazine
HAAS VF9	(2 EACH)	Travel: 84.0" x 40.0" x 30.0" 7500 RPM Spindle Speed HAAS Control 20 HP 24 Tool Magazine

CNC LATHE DEPARTMENT

MORI SEIKI NL2500SY/700	(1 EACH)	Maximum Diameter: 14" X-axis Travel: 10.2" Z-axis Travel: 31.3" Y-axis Travel: 3.9 <±2.0>"
NAKAMURA TOME TMC-400	(1 EACH)	Maximum Diameter: 22" With CNC Tail Stock / 3" Bar Capacity 40 H.P. / 3500-RPM Spindle Fanuc 18TA Control
NAKAMURA SC 300	(1 EACH)	Maximum Diameter: 14" With CNC Tail Stock / 2.5" Bar Capacity 30 H.P. / 3500-RPM Spindle Fanuc 18TA Control
NAKAMURA SC 250 M	(1 EACH)	Maximum Diameter: 10" (Milling Option) With CNC Tail Stock / 2.5" Bar Capacity 25 H.P. / 4500-RPM Spindle Fanuc 21iT Control
NAKAMURA SC 250	(1 EACH)	Maximum Diameter: 10" 2.5" Bar Capacity 25 H.P. / 4500-RPM Spindle Fanuc 21iT Control
NAKAMURA SC 150 M	(1 EACH)	Maximum Diameter: 6" (Milling Option) 1.7" Bar Capacity 15 H.P. / 4500-RPM Spindle Fanuc 21iT Control
NAKAMURA TOME TMC-20-II	(1 EACH)	Maximum Diameter: 9" 2" Bar Capacity 15 H.P. / 4500-RPM Spindle Fanuc 18TA Control
NAKAMURA TOME TMC-20-II M	(2 EACH)	Maximum Diameter: 9" (Milling Option) 2" Bar Capacity 15 H.P. / 4500-RPM Spindle Fanuc 18TA Control
NAKAMURA TOME TMC-20	(1 EACH)	Maximum Diameter: 6" 1.7" Bar Capacity 15 H.P. / 3500-RPM Spindle Fanuc 18TA Control
NAKAMURA TOME SLANT-JRL	(1 EACH)	Maximum Diameter: 6" With CNC Tail Stock 10 H.P. / 4500-RPM Spindle Fanuc 18TA Control

CNC VTL

HYUNDAI-KIA SXT- V80R VTL (1 EACH) Maximum 31.5" Diameter

PROTOTYPE / MANUAL MILL AND LATHE DEPARTMENT

<i>BRIDGEPORT MILL SERIES I</i>	(5 EACH)	Travel: 12.0" x 28.0" 2.0 H.P. Variable Speed Spindle Chromed Ways with B & L Acu-Rite II Digital Read-Out
<i>HARDINGE-HLV-DR</i>	(2 EACH)	Super Precision Inch/Metric Toolroom Lathe for super-precise tolerances and fine surface finishes.
<i>CLAUSING-COLCHESTER 13"</i>	(1 EACH)	Geared Head Lathe 13" x 40" with Trav-Dial, inch and metric threading.
<i>CLAUSING-COLCHESTER 15"</i>	(2 EACH)	Geared Head Lathe 15" x 50" with Trav-Dial, inch and metric threading.
<i>MORI SEIKI 15"</i>	(1 EACH)	Geared Head Lathe 15" x 50" with Trav-Dial, inch and metric threading.

ADDITIONAL EQUIPMENT

<i>STAR SV-20</i>	(1 EACH)	Screw Machine 8 Axis Machining
<i>MITSUBISHI EDM FX20 K</i>	(3 EACH)	Electro-Discharge Wire - Cut Machining
<i>MITSUBISHI EDM</i>	(1 EACH)	PLUNGER EDM

WELD AND FABRICATION DEPARTMENT

TIG (GTAW)

STICK ARC(SMAW)

MIG(GMAW)

FLUX (FCAW)

ACCUSHEAR 10 FOOT SHEAR

HURCO 150 TON 10FT HYDRAULIC BRAKE

MILLER 350 SYNCROWAVE

ESAB 460 PULSE DUAL 4HD SET UP FOR MIG, FLUX CORE AND MIG ALUMINUM WELDING

ASSEMBLY – CLEANROOM AND NON-CLEANROOM

SANTA CLARA, CA Precision Equipment Assembly 1000 sq. ft. Class 1000 Cleanroom

INSPECTION DEPARTMENT

Zeiss Contura CMM- Calmax has recently acquired a new Zeiss

MITUTOYO Crysta C – Apex C9206 CNC Coordinate Measuring Machine

Table travel: 35.62" x 78.93" x 23.81"

MITUTOYO Crysta C - Apex 9166 CNC Coordinate Measuring Machine

Table travel: 35.62" x 63.19" x 23.81"

MITUTOYO BH-710 Coordinate Measuring Machine (28" x 40")

MITUTOYO Profile Projector PH-3500

48" x 60" Lab Grade Surface Plate

MITUTOYO Surftest Profilometer

NOTE:

- 1.) Calmax has over 300 pieces of inspection equipment, too numerous to list. All instruments calibrated and conform to our quality management system.
- 2.) For complete information about our inspection procedures, see Calmax Quality Manual.