



# Equipment List

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## SHEET METAL FABRICATION – WISCONSIN

### Stamping Presses

Qty	Make	Tonnage	Model
1	<b>Minster</b>	45	No. 5 45-ton OBI
1	<b>Aida</b>	250	NC2-250
3	<b>Aida</b>	200	NC2-200
2	<b>Aida</b>	110	NC1-110
2	<b>Aida</b>	150	NC1-150
3	<b>Bliss</b>	60	C60 OBI
9	<b>Dallas Coil Lines</b>	-	-

### Turrets

Qty	Make	Model
1	<b>Amada</b>	EMK 3610 NT
1	<b>Amada</b>	EMK 3510 M2 – NOW MX
1	<b>Amada</b>	ViPro-323510NT
6	<b>Amada</b>	EMK 3612 M2
3	<b>Amada</b>	Togu Grinder

### Auto Sheet Loader/Unloader

Qty	Make	Model
2	<b>Amada</b>	MP1530
2	<b>Amada</b>	ASR-M
1	<b>Amada</b>	ARS 3015 NTK-6PFS

### Lasers

Qty	Make	Model
1	<b>Amada</b>	FO3025NT
1	<b>Amada</b>	LC2415A4NT

### Punch/Laser Combo

Qty	Make	Model
1	<b>Amada</b>	ACIES 2515T
1	<b>Amada</b>	ACIES 2515 AJ
1	<b>Prima Power</b>	Combi Genius

### Press Brakes

Qty	Make	Tonnage	Model
3	<b>Amada</b>	240	HG 2204 Auto Tool Changer
8	<b>Amada</b>	143	HDS 1303 NT
1	<b>Amada</b>	110	HG 1003 ARs Robotic

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1	<b>Amada</b>	110	HG 1003 ATC
4	<b>Amada</b>	88	HDS 8025 NT
13	<b>Amada</b>	40-100	RG

## Panel Bender

Qty	Make	Tonnage	Model
1	<b>Prima Power</b>	-	EBe5 Express Bender – max bend 108” L x 8” H

## Robotics

Qty	Make	Model	Type
3	<b>Universal Robots</b>	UR5e	6-Axis Cobot

## Machining Centers

Qty	Make	Model
1	<b>Makino</b>	FNC 128 - Vertical
3	<b>Haas</b>	VF-4SS - Vertical
2	<b>Haas</b>	VF3 - Vertical
1	<b>Haas</b>	VF4 - Vertical
2	<b>Haas</b>	SL20 - Lathe

## Pemming

Qty	Make	Model
5	<b>Haeger</b>	824OTL-4HE
2	<b>Haeger</b>	824
8	<b>Haeger</b>	618PLUS-L
1	<b>Haeger</b>	HP6-C-4
3	<b>Haeger</b>	618
5	<b>Haeger</b>	618-1H
3	<b>Haeger</b>	618-1L
4	<b>Haeger</b>	HP6-B
2	<b>Haeger</b>	HP6-C
3	<b>Haeger</b>	HP-2.5A

## Wire EDM

Qty	Make	Model
1	<b>Sodick</b>	AP600
1	<b>Sodick</b>	KIC
1	<b>Sodick</b>	AG600L

## Spot Weld

Qty	Make	Model
1	<b>Peer</b>	75 KVA

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3	<b>Spot Weld Inc.</b>	100 KVA
1	<b>Spot Weld Inc.</b>	KVA-100 Rocker Arm
3	<b>Stud Welder</b>	CD100
1	<b>ROBOT</b>	M200

**Welding**

Qty	Make	Model
1	<b>Lincoln-Tip-Stick</b>	300/300
6	<b>Miller-Tig</b>	Syncro-wave 250
1	<b>Miller-Tig</b>	Syncro-wave 252
2	<b>Miller-Wire</b>	Milleromatic 250
1	<b>Miller-Wire</b>	Milleromatic 350P
2	<b>Skyjack</b>	3226



## SHEET METAL FABRICATION – MONTERREY, MX

### Production

Qty	Make	Model/Description
3	<b>Amada</b>	EMK3610 NT
2	<b>Amada</b>	EMK3612 MII
1	<b>Amada</b>	MP1530
1	<b>Amada</b>	Automated tool grinder Togu III
1	<b>Amada</b>	Laser 4000 Watt FOM2-3015NT
4	<b>Amada</b>	Servo/hydraulic press brake HG1303
2	<b>Amada</b>	Servo/hydraulic press brake HG8025
2	<b>Amada</b>	Servo/hydraulic press brake HDS1303
2	<b>Amada</b>	RG50
1	<b>Amada</b>	RG80
3	<b>Miller</b>	Manual welders TIG
2	<b>Miller</b>	Manual welders MIG
6	<b>Miller</b>	Miller Filtair
6	<b>Rayomex/Spot weldinc./Tecna</b>	Spot welders
3	<b>Nelson</b>	Nelson stud NCD1600/NCD3200
1	<b>HBS</b>	Nelson Stud CDI1502
6	<b>Haeger</b>	PEMSERTER 618 presses
2	<b>PEMSERTER</b>	Series 2000
2	<b>Aida</b>	200-ton punch press with feed line
2	<b>Aida</b>	250-ton punch press without feed line
1	<b>Dallas Coil Lines</b>	DPR-24 / DRFS-424-lh-74143
2	<b>COE</b>	Coil Lines
1	<b>Grand Rapids</b>	Surface grinder
1	<b>Osama</b>	Turning lathe
1	<b>Bridgeport</b>	Series 1 milling machine
4	<b>Gardner Denver</b>	Air Compressor
2	<b>Gardner Denver</b>	Dryerair
1	-	Paint System Batch 12x10 booths
1	-	Conveyor Paint Line

### Quality and Metrology

Qty	Description
1	Brown & Sharpe CMM measuring
5	Granite table
2	Measuring table 3-axis
3	Calibration tooling
1	PJ-A3000 Series 302 profile projectors
2	Pin gauge sets inch (0.061" – 0.500")
2	Pin gauge sets metrics (1.30mm – 13.98mm)
10	Torque wrench screwdriver
10	Radius gauge sets

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10	Calipers 0-12"
5	Calipers 0-24"
1	Calipers 0-40"
5	Sheet metal micrometers
2	Digimatic height gauge
2	Gauge block set
5	Micrometers
7	Feeler gauge sets
3	Paint thickness meter and coating thickness gauge
1	Metal hardness tester
1	Paint impact meter
2	Gloss meter
2	Centerline calipers
4	PH meter
2	Push-out tester



## PLASTIC INJECTION MOLDING – COLORADO

### Production

Qty	Make	Tonnage
2	Toshiba	720
1	Toshiba	610
1	Engel	500
3	Toshiba	390
1	Roboshot	330
1	Roboshot	275
1	Roboshot	240
1	Toshiba	200
1	Toyo	200
1	Nissei	200
1	Engel (vertical)	200
1	Roboshot	165
1	Toyo	150
2	Roboshot	140
4	Roboshot	110
3	Toshiba	110
1	Toyo	90
1	Engel	85
2	Roboshot	55
2	Arburg	38
1	Arburg (vertical)	38
1	Arburg	28
1	Arburg (vertical)	28

### Robotics & Automation

Qty	Make	Model	Type
2	Yushin	HOP FIVE-650	Swing Type Take-out
3	Yushin	YC-100S-11-85	3-Axis Top Entry Take-out
1	Yushin	YA-150S	3-Axis Top Entry Take-out
1	Yushin	YCII-400S-17-13	3-Axis Top Entry Take-out
2	Yushin	YCII-600S-22-12.5	3-Axis Top Entry Take-out
1	Yushin	RCII-250S-19-11	3-Axis Top Entry Take-out
1	Yushin	RAII-α-400S	3-Axis Top Entry Take-out
1	Universal Robots	UR3e	6-Axis Cobot

### Primary Assembly\*

Qty	Make	Model	Type
2	Branson	2000iw	Ultrasonic welder
1	Branson	2000x	Ultrasonic welder
2	Branson	910iw	Ultrasonic welder



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1	<b>Branson</b>	8400	Ultrasonic welder
2	<b>Printex</b>	G2-100	100mm pad printer

\*Other supported in-house processes include mechanical assembly, hot stamping, packaging, heat staking, testing and related operations

### CNC Mills

Qty	Make	Model
1	<b>Deckel Maho</b>	DMC-635V
1	<b>Haas</b>	VF4 SS
1	<b>KAFO</b>	VMC 15800

### EDM Machines

Qty	Make	Model
1	<b>Mitsubishi</b>	110HA
2	<b>Charmilles</b>	Roboform 40
1	<b>Belmont</b>	

### Manual Mills

Qty	Make	Model
3	<b>Bridgeport</b>	Manual mills
1	<b>Nomura</b>	B100 SR horizontal boring mill

### Grinders

Qty	Make	Model
1	<b>Kent</b>	KGS-410 AHD wet grinder
1	<b>Kent</b>	SG8 816 surface grinder
3	<b>Chevalier</b>	FSG 618M surface grinder
1	<b>Harig</b>	Super 612 surface grinder

### Lathes

Qty	Make	Model
1	<b>Cazeneuve</b>	12 x 30

### Machine Shop

Qty	Make	Model
4	<b>Haas</b>	VF2 SS
1	<b>Haas</b>	Super mini mill
1	<b>Kitamura</b>	Mycenter1 CNC drilling center



## Quality Lab

Qty	Make	Model
1	<b>Brown &amp; Sharpe</b>	5-7-5 (Programmable CMM)
1	<b>Brown &amp; Sharpe</b>	9-20-8 (Programmable CMM)
1	<b>Tesa</b>	Micro-Hite 3D (Manual CMM)