



# EQUIPMENT LIST

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# SHEET METAL FABRICATION – WISCONSIN

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## Stamping Presses

Make	Model	Tonnage	Qty	Info
Aida	NC2-250	250	3	<a href="#">i</a>
Aida	NC2-200	200	2	<a href="#">i</a>
Aida	NC1-150	150	2	<a href="#">i</a>
Aida	NC1-110	110	2	
Aida	C2-20		1	
Bliss	C60 OBI	60	3	
Minster	No. 4 45-ton OBI	45	1	
Dallas	Coil Lines	-	15	
COE	Coil Lines		3	

## Turrets

Make	Model	Qty	Info
Amada	EMK 3610 NT	1	
Amada	EMK 3612 M2	5	<a href="#">i</a>
Amada	Acies 2515	2	
Amada	Togu tool grinder	3	

## Auto Sheet Loader / Unloader

Make	Model	Qty	Info
Amada	MP 1530	2	<a href="#">i</a>
Amada	ARS 3015 NTK	3	

## Lasers

Make	Model	Qty	Info
Amada	FO 3025 NT	1	

## Punch / Laser Combo

Make	Model	Qty	Info
Amada	ACIES 2515T	1	<a href="#">i</a>
Amada	ACIES 2515 AJ	1	<a href="#">i</a>
Prima	Combi Genius 1530 4kW CF	1	<a href="#">i</a>

## Press Brakes

Make	Model	Tonnage	Qty	Info
Amada	HG 2204 ATC	240	3	<a href="#">i</a>
Amada	HDS 1303 NT	143	9	<a href="#">i</a>
Amada	HG 1003 ARs Robotic	110	1	<a href="#">i</a>
Amada	HG 1003 ATC	110	1	<a href="#">i</a>
Amada	HDS 8025 NT	88	3	<a href="#">i</a>

Amada	RG	40-100	14
Amada	FB100, 10'		1

### Panel Bender

Make	Model	Qty	Info
Prima	EBe5 Express Bender – max bend 108” L x 8 “ H	1	<a href="#">i</a>

### Robotics

Make	Model	Qty	Info
Universal Robots	UR5e – 6-axis collaborative robots	11	<a href="#">i</a>

### Machining Centers

Make	Model	Qty
Makino	FNC 128 – Vertical	1
Haas	VF-4SS – Vertical	3
Haas	VF3 – Vertical	2
Haas	VF4 – Vertical	1
Haas	SL20 – Lathe	2
Haas	VF-2D – Vertical	1
Bridgeport	Torq-Cut 22	1

### Pemming

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


### Wire EDM

Make	Model	Qty
Sodick	AP600	1
Sodick	KIC	1
Sodick	AG600L	1

## Welding

Make	Model	Qty
Lincoln-Top-Stick	300/300	1
Miller-Tig	Syncro-wave 250	7
Miller-Tig	Dynasty 200	1
Miller-Tig	Dynasty 210	1
Miller-Wire	Millermatic 250	2
Miller-Wire	Millermatic 350P	1
Miller-Mig	MillerMatic 252	1
Skyjack	3226	2
Rayomex/Spot Weld Inc./Tecna	Spot welders	8
ROBOT	M200	1




## Quality

Description	Qty	Info
Brown & Sharpe CMM	1	
Amada FabriVISION	2	
Omron camera scanning system	1	
Measuring tables	2	
Optical comparators	1	
Trimos height gauge	4	
Stratasys 3D printer	1	
Calipers 0 – 12"	30	
Calipers 0 – 24"	5	
Calipers 0 – 40"	2	
Granite tables	10	
Pin gauge sets inch (0.061" – 0.0500")	10	
Pin gauge sets inch (0.062" – 0.250")	152	
Sheet metal micrometers	10	
Gauge block set	2	
Paint thickness meter and coating thickness gauge	1	
Metal hardness tester	2	
Push-out tester	2	
Keyence 3D Scanner	1	

## SHEET METAL FABRICATION – MONTERREY, MX

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### Stamping Presses

Make	Model	Tonnage	Qty	Info
Aida	NC1-2500	250	2	
Aida	NC2-250	250	3	
Aida	NC2-200	200	2	
Aida	NSU 300t W	300	3	

Aida	NC1-110	110	2	<a href="#">i</a>
Dallas	Coil Lines	-	2	
COE	Coil lines	-	2	

### Press Brakes

Make	Model	Tonnage	Qty	Info
Amada	HG 1003 ATC	100	1	<a href="#">i</a>
Amada	HG 1303	130	4	<a href="#">i</a>
Amada	HG 8025	80	3	<a href="#">i</a>
Amada	HDS 1303 NT	130	3	<a href="#">i</a>
Amada	RG50	50	2	
Amada	RG80	80	4	

### Turrets

Make	Model	Qty	Info
Amada	EMK 3610 NT	4	
Amada	EMK 3612 MII	3	

### Punch / Laser Combo

Make	Model	Qty	Info
Amada	EMLZ 15 AJR	1	<a href="#">i</a>
Amada	AMLK 15 AJ	1	

### Auto Sheet Loader / Unloader

Make	Model	Qty	Info
Amada	MP 1530	2	<a href="#">i</a>

### Lasers

Make	Model	Qty	Info
Amada	FOM2 3015 NT 4000 Watt	1	<a href="#">i</a>

### Pemming

Make	Model	Qty
Haeger	618	8
Haeger	824	1
PEMSERTER	Series 2000	2

### Welding

Make	Model / Description	Qty
Miller	TIG manual welders	3
Miller	MIG manual welders	3
Rayomex/Spot Weld Inc./Tecna	Spot welders	4
OTC	Robotic FD-V8	1




## Machining Centers

Make	Model / Description	Qty
Grand Rapids	Surface grinder	1
Osama	Turning lathe	1
Bridgeport	Series 1 milling machine	1

## Painting

Make	Model / Description	Qty
-	Paint System Batch 12 x 10 booths	1
-	Conveyor paint line	1

## Quality & Metrology

Description	Qty	Info
Brown & Sharpe CMM	1	
Amada FabriVISION	1	
Granite table	5	
Measuring table 3-axis	2	
Calibration tooling	3	
PJ-A3000 Series 302 profile projectors	1	
Pin gauge sets inch (0.061" – 0.0500")	2	
Pin gauge sets inch (1.30mm – 13.98mm)	2	
Torque wrench screwdriver	10	
Radius gauge sets	10	
Calipers 0 – 12"	10	
Calipers 0 – 24"	5	
Calipers 0 – 40"	1	
Sheet metal micrometers	5	
Digimatic height gauge	2	
Gauge block set	2	
Micrometers	5	
Feeler gauge sets	7	
Paint thickness meter and coating thickness gauge	3	
Metal hardness tester	1	
Paint impact meter	1	
Gloss meter	2	
Centerline calipers	2	
PH meter	4	
Push-out tester	2	

# PLASTIC INJECTION MOLDING – COLORADO

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## Injection Molding Presses

Make	Model	Tonnage	Qty
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Toshiba	EC720SX	720	2
Toshiba	ISF610VL	610	1
Engel	DUO500	500	1
Toshiba	EC390XSV50-U5-17AT	390	1
Toshiba	ISFS390V21	390	1
Toshiba	EC390SXV50	390	1
Cinci	Roboshot 330R-788	330	1
Roboshot	S2000I 275B	275	1
Roboshot	240ag-14.7	240	1
Toshiba	EC200SXV50-U44-4A	200	1
Toyo	TM-200G2	200	1
Nissei	FN4000	200	1
Engel (vertical)	ES700H200	200	1
Roboshot	α-S165IA-G	165	1
Toyo	TM-150H	150	1
Roboshot	α-140i	130	2
Roboshot	α-S110IA-G	110	4
Toshiba	EC110SXV50-U34-4Y	110	3
Toyo	SI-90	90	1
Engel	VICTORY SPEX 80	85	1
Roboshot	α-S55i	55	2
Arburg	ALLROUNDER	38	2
Arburg (vertical)	ALLROUNDER U Machine	38	1
Arburg	ALLROUNDER	28	1
Arburg (vertical)	ALLROUNDER U Machine	28	1

## Robotics & Automation

Make	Model	Description	Qty	Info
Yushin	HOP FIVE-650	Swing type take-out	2	<a href="#">i</a>
Yushin	YC-100S-11-85	Top entry take-out	3	<a href="#">i</a>
Yushin	YA-150S	Top entry take-out	1	<a href="#">i</a>
Yushin	YCII-400S-17-13	Top entry take-out	1	<a href="#">i</a>
Yushin	YCII-600S-22-12.5	Top entry take-out	2	<a href="#">i</a>
Yushin	RCII-250S-19-11	Top entry take-out	1	<a href="#">i</a>
Yushin	RAII-α-400S	Top entry take-out	1	
Yushin	ATBII-300	Top entry take-out	1	
Universal Robots	UR3e	6-axis collaborative robot	1	<a href="#">i</a>
Universal Robots	UR5 CB	6-axis collaborative robot	2	

## Primary Assembly\*

Make	Model	Description	Qty
Branson	2000iw	Ultrasonic welder	3
Branson	910iw	Ultrasonic welder	2

Printex	G2-100	100mm pad printer	2
PAS	STS2000 Slide	Heat Staker	1

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

### CNC Mills

Make	Model / Description	Qty
Deckel Maho	DMC-635V	1
Haas	VF4 SS	1
Haas	VF2 SS	4
Kitamura	Mycenter1 CNC drilling center	1
KAFO	VMC 15800	1

### EDM Machines

Make	Model / Description	Qty
Mitsubishi	110HA	1
Charmilles	Roboform 40	1

### Manual Mills

Make	Model / Description	Qty
Bridgeport	Manual mills	2
Nomura	B100 SR horizontal boring mill	1

### Grinders

Make	Model / Description	Qty
Kent	KGS-410 AHD wet grinder	1
Kent	SG8 816 surface grinder	1
Chevalier	FSG 618M surface grinder	2
Harig	Super 612 surface grinder	1

### Lathes

Make	Model / Description	Qty
Cazeneuve	12 x 30	1

### Quality Lab

Make	Model / Description	Qty
Brown & Sharpe	5-7-5 (programmable CMM)	1
Brown & Sharpe	9-20-8 (programmable CMM)	1
Tesa	Micro-Hite 3D (manual CMM)	1