

## Sheet Metal Equipment List - Phoenix

### CNC Punch Turrets:

5	AMADA Pega 345 King W/ Manipulator	Max. Part Size: .250" X 39" X 100"
1	AMADA Pega 358 VIPROS W/ Manipulator	Max. Part Size: .125" X 50" X 157"

### CNC Laser:

1	AMADA LASMAC LC1212-D	Max. Part Size: .375" X 50" X 100"
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### CNC Punch Laser Combo:

1	AMADA APELIO III 357	Max Part Size: .125" X 50" X 70" **
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### Press Brake / Punch Press:

1	AMADA ASTRO 100 Robotic Press Brake	80 Tons Max / 98" Max. Bend Length
1	Cell Mate Press Brake	10 Tons Max / 21" Max. Bend Length
1	AMADA FBD Press Brake	120 Tons Max / 122" Max. Bend Length
2	AMADA FBD Press Brake	100 Tons Max / 122" Max. Bend Length
1	AMADA HFB Press Brake	125 Tons Max / 150" Max. Bend Length
5	DI-ACRO CELLMATE Press Brake	17 Tons Max / 36" Max. Bend Length
4	AMADA RG Press Brake	80 Tons Max / 98" Max. Bend Length
1	AMADA RG Press Brake	100 Tons Max / 98" Max. Bend Length
1	AMADA RG Press Brake	35 Tons Max / 45" Max. Bend Length
1	WYSONG J Series Press Brake	80 Tons Max / 120" Max. Bend Length
1	KOMATSU Punch Press	80 Tons Max. / 24" X 24" Bed

### Shears:

2	Power Shears	Max. Thickness .187 X 48" Width
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### Roll Forming:

3	DI-ACRO	.075" Thick X 20" Width
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### Hardware Installation:

11	HAEGER	Insertion Machines W / Feeders
1	AMADA FIM 100	Robot

### Welding - MIG / TIG:

10	L-TECH TECTIG TIG Welder	250 Amps 480 Volt
2	MILLERMATIC MIG Welder	300 Amps 480 Volt

### Robotic Welding:

1	PANA-ROBO VR-008P-2 P4175 MIG	6 Axis w / Dual Headstock / Tailstock Rotating Tables
1	PANA-ROBO VR-005C-2 PA52 MIG	6 Axis with Dual Tables
1	ABB IRB-1400-1130 Robot MIG	6 Axis w / Dual Headstock / Tailstock Rotating Tables

## Sheet Metal Equipment List - Phoenix

### Spot Welding:

1	JANDA M6012 Multi-Head	90KVA 208V 12 Heads
11	Assorted	to 150 KVA 480V 3 Phase
1	JANDA Pull Tester	Pull to 2,000 Lbs

### CD Stud Welding:

1	SOYER CNC Robotic w / 6 Bowl Feeds	Max. Part Size 40" X 72"
1	SOYER CNC Robotic w / 1 Bowl Feed	Max. Part Size 14" X 23"
1	SOYER Hand Held Unit	

### Machine / Model Shop:

Full service machine and model shop for tooling, forming, punching and prototype development.		
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### DEBURR / Metal Preparation:

1	TIMESAVER	36" Wide Abrasive Belt
1	STEELMASTER	Dual 36" Wide Abrasive Belts w / Abrasive Wheel
1	AMADA Deburr	Wet surface finishing machine with 48" horizontal ScotchBrite wheel.
1	Stroke Sander	
1	Vibratory Tumbler	4 Cubic Foot Capacity

### Finishing:

1	Chromate Conversion MIL-Spec C-5541 on Aluminum Line	
1	Powder Coat Line with 5 - Stage Wash and DI Rinse	
1	Wet Paint Batch Room with Curing Oven for Larger Parts and Short Run.	
1	Powder Coat Batch Room with Curing Oven for Larger Parts and Short Run.	

## Sheet Metal Equipment List - Mexico

### CNC Punch Turrets:

1	AMADA VIPROS 358 King w/Manipulator	Max. Part Size .125" X 50" X 157"
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### CNC Punch Laser Combo:

1	AMADA APELIO III 357	Max. Part Size .125" X 50" X 144"
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### Press Brake / Punch Press:

1	AMADA HFB Press Brake	138 Tons Max. / 150" Max. Bend Length
1	AMADA RG Press Brake	88 Tons Max. / 98" Max. Bend Length
1	WYSONG Press Brake	40 Ton Max. / 72" Max Bend Length
1	CELLMATE	17 Ton Max. / 24" Max. Bend Length

### Shear:

1	Power Shears	Max Thickness .187: x 120" Length
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## Sheet Metal Equipment List - Mexico

### Hardware Installation:

3	HAEGER	Insertion Machines W / Feeders
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### Welding - MIG / TIG:

2	L-TECTIG TIG Welder	250 amps 480 Volts
1	MILLERMATIC MIG Welder	300 amps 480 volts

### Robotic Welding:

1	PANA-ROBO VR008CII P4175 MIG	6 Axis w / Dual Headstock / Tailstock Rotating Tables
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### Spot Welding:

3	JANDA	150 KVA Pull Up TO 2,000 LBS
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### CD Stud Welding:

1	TECHNO CNC SERIES 59120 w / 6 Bowl Feeds	Max. Part Size 48" X 120"
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### DEBURR / Metal Preparation:

1	AMADA Deburr	Wet surface finishing machine with 48" horizontal ScotchBrite wheel.
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### Finishing:

1	Automated Powder Coat Line with 3 - Stage Wash
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