



EQUIPMENT LIST

Laser/Punching

	Steel	Aluminum	Automation
(1) Amada Apelio laser/punch w/loader	0.187	0.125	# 4000 material 11" high
(1) Amada EMLK laser/punch w/loader	0.250	0.190	100% brush table
(1) Amada EMLK laser/punch w/tower automation	0.250	0.190	Auto loader 5 x 10
(1) Fladder 200 Gyro			Automated deburring system
(1) Amada ACIES Fiber Laser Turret System	0.250	0.190	Tool, Load, and Part Separation

Brakes

	Steel	Aluminum	
(1) Amada HG1003 110 ton 10'	0.250	0.190	Automatic Tool Changer; Dr. ABE programming software; material thickness bending sensors
(1) Cincinnati 60 ton 4'	0.250	0.190	
(1) Dener 176 ton 13'	0.250	0.190	
(1) Toyokoki 193 ton 10'	0.250	0.190	
(1) Toyokoki 94 ton 8'	0.250	0.190	
(1) Toyokoki 40 ton 4'	0.250	0.190	European style tooling; program storage/retrieval
(1) Toyokoki 20 ton 2'	0.135	0.125	
(2) Toyokoki 31 ton 2.5'	0.189	0.190	
(2) Toyokoki 275 ton 10'	0.380	0.190	
Offline programming software			Metamation
(2) Amada HG2204 220 ton 14'	0.250	0.190	Automatic Tool Changer
(2) Amada HG100 110 ton 10'	0.250	0.190	Automatic Tool Changer

Inserting

(3) Haeger Window Touch Insert Machine			
(3) Haeger 4 ton, portable			Portable
(1) Haeger Window touch			Auto bowl feed 4 manual tools
(3) Haeger 6 ton			with auto bowl feed
(2) Haeger 8 ton			with auto bowl feed

Welding

	Steel	Aluminum	
(10) TIG / MIG stations	0.500	0.250	Manual
(1) Lincoln robot cell	0.500	0.250	Turntable - 76" diameter
(3) Spot welders	0.187	0.125	

Powder Coating

Dry-off oven (stainless steel)			
In-line masking			
Powder booth			Electrostatic application
Bake oven (stainless steel)			
Various quality monitoring devices			
Silkscreening Printer TriLight ST			132 x 152 cm print size
SFC-50 Backbar Clamp			accommodates 38" x 50 " screen size
Chemetall Advanced Zirconium Pre-treatment Wash System			4' x 5' x 10'

Assembly

Pneumatic rivet guns			Magazine loaded
Pneumatic screw & torque tools			Specified torque specs
Wiring			
Hypot & continuity testing			
Custom packaging			
Part marking video inkjet			
All types of mechanical assembly			

Quality

Virtek laser inspection machine			Flat blank 100 % inspection
(1) Romer arm			Portable
(1) CMM			
(2) XY measuring tables			
(1) Micro-Vu Vision Measuring machine			12" x 12" x 10"
Various manual gages			