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Revision: 12/12/06

FACILITY AND EQUIPMENT REPORT

REGISTRATIONS

ISO 9001:2000 / ISO 14000 REGISTERED

FACILITY

18 acre Campus Markle Indiana
108,000 square feet of manufacturing space (Plant A)
26,000 square feet of paint system (Plant B)
20,000 square foot heavy welding facility in Fort Wayne, IN

ENGINEERING/MANUFACTURING SOFTWARE

Visual Enterprise – Business software
Pro-Engineer Wildfire Solid Modeling Design Software
AutoCad 2000 Software
SmartCam – CNC Punching Software
SigmaNest – CNC Cutting/Nesting Software
TekSoft – DNC Networking Software
Ncell – Dynamic nesting software
Full Capability for DXF/IGES Interface
Weld-Pro - Offline robot programming software

INSPECTION EQUIPMENT

MetalSoft FabriVision Scanning Machine
Visual Quality – SPC Stations Located in Every Department
Hansford – Digital Rapid Check Layout/Inspection Machine
Mitutoyo-123010 CMM CRYSTA-APEX C W/GEOPAK- MCOSMOS-3

FABRICATING EQUIPMENT

Shears, Saws

Make	Detail
Wysong	(2) Machines w/Bed size – 4', .31 mild steel
Amada	Amada shear system, .50 mild steel capacity Bed size – 10'2" 39.50" max distance for back gauge Cold cut saw – 12" blade, 0°-45° setting
Hyd-Mech	Cross cut saw Programmable control for cut size and number of cuts
Wells	Cross cut saw
Grob	Bandsaw

Turrets, Laser, Plasmas

Make	Ton	Detail
Strippit	45	CNC Turret, 3/8" thk mild steel max
Mitsubishi	--	CNC 3500W Laser 60"x120"
Mitsubishi	--	CNC 4000W Laser 60"x120" * With fully automated load/unload material tower
AKS	--	CNC Hy Definition and Conventional Plasma Table 72"x240"
AKS	--	CNC Hy Definition Plasma Table 72"x240"
C&G	--	CNC Plasma Table (2) 8'x12' water tables
Amada	55	CNC Turret w/o plasma & w/auto index, 60" table
Amada	55	CNC Turret w/o plasma & w/auto index, 50" table

Punch Presses

Make	Ton	Ram Size	Bed Size	Shut Height Max/Min	Stroke	Air	Coil	Stk/Min
Bliss	200	72x42	72x42	28-18	8"	1	Yes**	30
Johnson	250	96x48	96x18	26-18	10"	2	----	25/50
Danley	250	48x36	48x36	43-31	12"	1	----	30
Niagara	500	96x54	96x54	32-18	12"	3	Yes*	30
Bliss	60	17x11	33x21	11-8	4"	--	----	100
Amada	30	-----	-----	-----	--	--	----	----
Pirhana	120	Ironworker	-----	-----	--	--	----	----
Sutherland	440	122/55	122x55	32-22	10"	--	----	20/40
Bliss	150	34x24	50x30	17-12.8	8"	--	Yes***	45
Bliss	200	38x28	58x34	18.8-15.5	8"	1	----	35
Haeger-Euroma	16	Notcher	-----	-----	--	--	----	----
Coil Feeder Specs: * Material Thk .020" - .250"					Coil Width	.375" – 36"		
** Material Thk .020" - .200"					Coil Width	.375" – 18"		
*** Material Thk .020" - .342"					Coil Width	1.00" – 13"		

Drills, Mills

Make	Detail
Misc (4)	Drill presses, .50" diameter or under
Natco	24 spindle drill
Natco	12 spindle drill
Johnson	Multi-head
Jiffy	Large 2 head tapping machine
Proconier	Tapping machine
Ooya	Radial arm drill, all diameters, quick change
Bridgeport	Bridgeport mill

Press Brakes, Rollers, Diacro Bender

Make	Ton	Bed Length	Detail
Pacific	225	12'	Auto back gauge and ram control
Cincinnati	400	16'	Manual back gauge
Pacific	110	10'	Auto back gauge
Pacific	40	6'	Auto back gauge
Amada	300	13'	Auto back gauge
Amada	88	7'8"	Auto back gauge
Amada	100	12'	Auto back gauge
Amada	110	10'	Auto back gauge
Amada	168	10'	Auto back gauge
Amada	248	14'	Auto back gauge
Amada	300	13'	Auto back gauge
Diacro	----	---	Power form Diacro
	----	---	Small power roller
Webb	----	---	Large power roller

Welders, Robotics, Finish and Deburring Equipment

Process	Specifications
Roto-Finish	Large rotary tumbler
Timesavers	Small time saver
Clean	Hand grinders, DA's, etc.
Mig Weld	(60) 350/400/450/600 Amp, large work area with hoist. Flux core capabilities
Al Mig Weld	500 Amp, Aluminum only
Robotic *	Fanuc, Gantry mounted robot, 6-axis, 2 head and tail stock 10'
Robotic *	(3) Genesis, Versa 2 system with GMF robot, head and tail stocks, Arc Mate 100
Robotic *	GMF Pedestal mounted robot
	* All robots have Pulse and short arc capabilities
Spot Weld	(2) 200 KVA
Spot Weld	150 KVA
Stud Weld	Stud gun, 3 phase multi-stud capability
Tig Weld	350 Amp
Hand Plasma	
Hand Torch	Oxy-Acetylene cutting torch
Pulse Arc	450 Amp Miller

Paint

Paint Line	Conveyorized system with envelope of 42" W, 72"H, 102" L, 1000#. Five stage iron phosphate pre-treatment system and cure oven. Wet electro-static spray system capable of minimum 250 hours salt spray. Powder coat system capable of minimum 500 hours salt spray test.
Off line spray	Large product batch pre-treatment and paint with infrared baking.