

# EQUIPMENT LIST - AUTOMATIC PRESSES

T&C STAMPING, INC. • Athens, AL

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MANUFACTURER	TYPE	TONNAGE RATING	BUILD DATE	STROKE, in.	SHUTHEIGHT, S.D.A.U. in.	SLIDE AREA, in. (L to R x F to B)	BED AREA, in. (L to R x F to B)	SPEED, SPM
E. W. BLISS	O.B.I.	22	1967	2.5	9.25	10.00 x 8.00	25.00 x 14.00	0 – 300
E. W. BLISS	O.B.I.	22	1971	2.5	9.25	10.00 x 8.00	25.00 x 14.00	0 – 300
E. W. BLISS	O.B.I.	22	1971	2.5	9.25	10.00 x 8.00	25.00 x 14.00	0 – 300
E. W. BLISS	O.B.I.	22	1967	2.5	9.25	10.00 X 8.00	18.00 x 13.00	0-120
E. W. BLISS	O.B.G.F.	22	1999	2.5	9.5	13.5 x 10.00	23 x 14	70-120
SUTHERLAND	O.B.G.F.	28	1996	1.40	7.90	13.00 x 9.80	27.60 x 12.60	80 - 180
SUTHERLAND	O.B.G.F.	28	1996	1.40	7.90	13.00 x 9.80	27.60 x 12.60	80 - 180
SUTHERLAND	O.B.G.F.	28	1996	1.40	7.90	13.00 x 9.80	27.60 x 12.60	80 - 180
MINSTER	FIXED BASE	32	1971	2.00	11.5	14.00 x 9.50	24.00 x 15.00	150 - 300
V&O	O.B.I.	32	Rebuilt 05	3.00	7.00	12.00 x 8.00	24.00 x 16.00	100-300
V&O	O.B.I.	35	1969	1.00	7.00	12.50 x 8.75	29.00 x 16.00	100 - 500
STAMTEC	O.B.I.	35	12/93	2.756	8.661	10.00 X 14.00	32.00 X 16.00	40-120
MINSTER	FIXED BASE	45	1971	3.00	11.25	18.00 x 10.50	32.00 x 21.00	300
MINSTER	FIXED BASE	45	1971	3.00	11.50	18.00 x 10.50	28.00 x 18.00	300
MINSTER	O.B.I.	45	1971	3.00	11.5	16.00 X 10.00	28.00 X 18.00	300
NIAGARA	O.B.I.	45	1977	3.50	12.00	18.00 x 14.00	28.00 x 18.00	73 – 220
NIAGARA	O.B.I.	45	1977	2.00	12.75	18.00 x 14.00	28.00 x 18.00	50 – 150
NIAGARA	O.B.I.	45	1976	3.50	12.00	18.00 x 14.00	28.00 x 18.00	50 - 150
STAMTEC	O.B.G.F.	45	12/85	5.00	8.25	17.75 x 13.75	27.75 x 17.75	70
STAMTEC	O.B.G.F.	45	10/91	3.15	9.45	15.75 x 11.75	33.50 x 17.25	40 - 100

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STAMTEC	O.B.G.F.	45	10/98	3.15	9.45	15.75 x 11.75	33.50 x 17.25	40 – 120
STAMTEC	O.B.G.F.	45	10/98	3.15	9.45	15.75 x 11.75	33.50 x 17.25	40 - 120
E.W. BLISS	O.B.G.F.	45	1967	3	12.25	15 x 10	24 x 18	90-180
E.W. BLISS	O.B.G.F.	45	1967	3	12.25	15 x 10	24 x 18	90-180
E. W. BLISS	O.B.G.F.	45	1968	3	12.25	15 x 10	24 x 18	90-180
KOMATSU	O.B.S.	45	1984	3.94	9.84	15.75 x 11.81	31.5 x 17.7	50-100
KOMATSU	O.B.S.	45	1989	3.94	9.84	15.75 x 13.78	35.43 x 17.72	50-100
E.W. BLISS	S.S.D.C.	60	1976	1.50	16.250	36.00 x 15.00	36.00 x 24.00	0-400
E.W. BLISS	S.S.D.C.	60	1976	1.50	16.250	36.00 x 15.00	36.00 x 24.00	0-400
E. W. BLISS	S.S.D.C.	60	1987	3.00	14.50	36 x 15	36 x 24	90 - 180
E. W. BLISS	S.S.D.C.	60	1979	3.00	11.50	36 x 15	36 x 24	0-100
MINSTER	S.S.D.C.	60	1979	2.00	12.875	32 x 15	36 x 25	50 - 300
MINSTER	S.S.D.C.	60	1979	2.00	12.875	32 x 15	36 x 25	50 – 300
MINSTER	S.S.D.C.	60	1979	2.00	12.875	32 x 15	36 x 25	50 – 300
MINSTER	S.S.D.C.	60	1979	2.00	12.875	32 x 15	36 x 25	50 – 300
MINSTER	S.S.D.C.	60	1979	2.00	12.875	32 x 15	36 x 25	50 – 300
MINSTER	S.S.D.C.	60	1979	2.00	12.875	32 x 15	36 x 25	50 – 300
MINSTER	S.S.D.C.	60	1979	2.00	12.875	32 x 15	36 x 25	50 – 300
MINSTER	S.S.D.C.	60	1979	2.00	12.875	32 x 15	36 x 25	50 – 300
MINSTER	S.D.D.C.	60	1974	3.00	13.50	40.00 x 15.00	42.00 x 25.00	0 - 200
MINSTER	S.S.D.C.	60	1977	3.00	13.50	32.00 x 15.00	36.00 x 25.00	80 - 240
MINSTER	S.S.D.C.	60	1960	3.00	17.00	35.00 x 15.00	36.00 x 25.00	0 - 240
STAMTEC	O.B.G.F.	60	11/84	6.00	8.54	19.88 x 14.25	35.50 x 19.74	60
STAMTEC	O.B.G.F.	60	8/93	4.72	11.81	19.75 x 14.13	35.50 x 20.00	35 - 90

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SUTHERLAND	O.B.G.F.	66	1996	5.10	11.80	18.90 x 15.70	35.40 x 20.50	40 - 75
MINSTER	O.B.I.	70	1979	4	12.22	36.00 X 24.00	36.00 X 24.00	70
MINSTER	O.B.I.	75	1974	5.00	8.50	30.00 x 17.25	36.00 x 24.00	60 - 180
STAMTEC	O.B.G.F.	80	12/85	4.00	13.00	23.75 x 17.75	36.50 x 23.50	60 - 120
STAMTEC	O.B.G.F.	80	12/88	5.91	13.00	22.00 x 16.50	39.00 x 20.00	35 - 80
MINSTER	S.S.D.C.	100	1973	3.50	19.50	52.00 x 21.00	54.00 x 31.00	0 - 200
MINSTER	S.S.D.C.	100	1970	3.00	20.50	46.50 x 22.00	48.00 x 31.00	100 - 200
MINSTER	S.S.D.C.	100	1968	4.00	20.00	46.00 x 18.00	48.00 x 31.00	80 - 160
NIAGARA	S.S.D.C.	100	1974	4.00	20.00	48.00 x 36.00	48.00 x 36.00	40 - 160
STAMTEC	O.B.G.F.	110	8/87	5.12	14.80	28.00 x 21.00	45.00 x 23.75	45 - 90
STAMTEC	O.B.G.F.	110	7/91	4.33	17.13	55.00 x 19.75	71.00 x 25.00	50 - 100
STAMTEC	O.B.G.F.	110	4/95	4.33	17.13	55.00 x 19.75	71.00 x 25.50	50 - 100
STAMTEC	O.B.G.F.	110	9/96	4.33	17.13	55.00 x 19.75	71.00 x 25.50	50 - 100
BLISS	O.B.I.	110	1995	8	12.00	28.00 X 21.00	42.00 X 27.00	30 - 60
SUTHERLAND	DBL CR	121	10/96	7.1	15.7	56.00 X 20.00	74.00 X 26.8	20 - 65
BLISS	S.S.D.C.	150	1975	4.00	24.00	41.00 X 24.00	42.00 X 36.00	60 - 120
NIAGARA	S.S.D.C.	150	1970	5.00	22.00	48.00 x 36.00	48.00 x 36.00	30 - 120
STAMTEC	O.B.G.F.	160	12/84	4.00	19.60	27.75 - 21.00	49.00 - 30.00	90
NIAGARA	S.S.D.C.	200	7/73	7.00	30.50	72.00 x 48.00	72.00 x 48.00	30 - 60
SEYI	O.B.G.F.	220	2008	9.06	19.69	72.83x 25.59	95.28 x 33.07	25 - 50
AIDA	O.B.G.F.	220	2009	9.84	19.69	72.8 x 25.6	95.3 x 33.1	30-50
SUTHERLAND	O.B.G.F.	275	2000	9.84	20.5	82.6 x 27.5	106 x 39	22 - 40
SUTHERLAND	O.B.G.F.	275	2000	9.84	20.5	82.6 x 27.5	106 x 39	22 - 40

# EQUIPMENT LIST – SECONDARY OPERATIONS

T&C STAMPING, INC. • Athens, AL

## OBI Presses

- (1) 35 Ton V&O; RAM 10.00" X 12.00"; BED 28.00" X 18.00"; STROKE 2.50" S/H 8"
- (1) 45 Ton Ferracute; 1947; RAM 14.00" x 12.50"; BED 31.00" x 18.50"; STROKE 2" ; S/H 11"
- (1) 45 Ton L&J; RAM 10.00" x 8.00"; BED 26.00 x 14.00; STROKE 5.50; S/H 12.00"
- (1) 45 Ton Danly; RAM 14.00" x 11.00"; BED 29.00" x 20.00"; STROKE 3"; S/H 11.50"
- (1) 45 Ton Niagara; RAM 18.00" x 14.00"; BED 28.00" x 18.00"; STR 3.50"; S/H 12.00"
- (1) 45 Ton Toledo; 1941; RAM 18.00" x 14.00"; BED 27.00" x 18.00"; STROKE 7"; S/H 9.50"
- (1) 45 Ton Bliss; RAM 10.00" X 8.00"; BED 22.00" X 13.00"; STROKE 3"; S/H 7"
- (1) 45 Ton Bliss; RAM 15.00" X 8.00"; BED 28.00" X 17.00"; STROKE 5.75"; S/H 14"

## Gear Hobbing Equipment

- (1) Barber Colman 610 Hobbing Machine
- (1) Mikron Hobbing Machine

## Drilling and Tapping Equipment

- (1) Leland - Gifford Double Column Drill Press
- (7) Snow Tappers: (2) TA1, (1) TA-1-A, (1) TA-1-S, (1) TA3RM, (1) 2-UT-A, (1) 036D160
- (1) Warner Swasey Turret Lathe
- (1) Ettco Multi-Head (9) Tapper

## Welders

- (2) Taylor Winfield Resistance Welders

## Metal Working and Forming Equipment

- (1) Peck, Stow, & Wilcox Co. Shear; Model 152-K, Cap. 16 Gage Soft Steel, 48" Width
- (2) Belt Grinders; 2" to 10" wide
- (1) Richards Multiform Bender
- (1) 48" Central Machinery Bench Pan & Box Brake

## Cleaning, Processing and Other Finishing Equipment

- (1) Automated Finishing Systems Drum Washer
- (1) Ransohoff 1998 Model HC-4 Wash, Rinse, and Drying Machine
- (1) Hobbed Gear Washer
- (2) Barrel Tumblers
- (3) Vibratory Finishers
- (1) Ramco Ultrasonic/Turbulent Parts Washer
- (1) Ramco Turbulent Parts Washer

## Misc.

- (2) Grommet Insert Machines
- (2) Material/Parts Ovens

# EQUIPMENT LIST - SECONDARY OPERATIONS

## T&C STAMPING, INC. • Athens, AL

- (1) 2006 Freightliner Delivery Truck
- (4) PEMSERT 2000 Machines
- (1) Fiber Bushing Insert Machine
  
- (1) Brake Manufacturing and Assembly Cell
  - (1) 60 Ton Bliss Press
  - (1) Winder
  - (2) Welders

# PROCESSING AND FINISHING SUPPLIERS

- **Heat Treating**
- **Plating/Passivation**
- **Painting**
- **Epoxy Coating**
- **Powder Coating**
- **Shot Blasting**
- **Cleaning**
- **Packaging**

# EQUIPMENT LIST - SUPPORT AREAS

T&C STAMPING, INC. • Athens, AL

## Saws

- (1) Wellsaw cutoff saw, 3HP
- (1) DoALL Band Saw; Model 3612-3

## Mills

- (5) Bridgeport Vertical Mills
- (1) K & T Horizontal Milling Machine; Model No. 3
- (1) HAAS CNC Machining Center 2006

## Drills

- (1) Powermatic Drill Press; Model 1200
- (1) FOSDICK Radial Arm Drill; Model 4 FT. SENSITIVE

## Lathes

- (1) HENDEY Engine Lathe; w/ 18" x 54" bed
- (1) Clausing Colchester 13"
- (1) Victor Lathe, Model 1340 GHE
- (1) Hardinge CNC Lathe

## Grinders

- (2) Chevalier Wet Surface Grinder; Model FSG-1632AD w/ 15.5" x 32.5" Table
- (1) Chevalier Wet Surface Grinder; Model FSG-3A818 w/ 8" x 18" Table
- (2) Okamoto Model ACC-1632 DX Wet Surface Grinder w/ 16" x 32" Travel
- (1) Chevalier Surface Grinder, Model FSG-618M w/ 6" x 18" Table
- (2) Harig Surface Grinder; Model 612 w/ 6" x 12" Table
- (1) Harig Surface Grinder; Model Super 618 w/ 6" x 18" Table
- (1) Landis O.D. / I.D. Grinder
- (1) Blanchard Rotary Grinder; No. 22K w/ 42" Diameter Table
- (1) Darex Drill Sharpener; 5/8" Capacity
- (1) Societe Genevoise Jig Bore w/ 32" x 40" Table
- (1) Moore Jig Grinder; No. 2
- (1) Moore Jig Grinder; No. 3

## EDM

- (1) Sodick Wire EDM Machine; Model A530D AWT w/ EX21 Controller
- (1) Sodick Wire EDM Machine; Model BF 275 w/ Mark IV Silver Ed. Controller

## Misc.

# EQUIPMENT LIST - SUPPORT AREAS

## T&C STAMPING, INC. • Athens, AL

- (1) Miller TIG Welder; Model 330A/BP
- (1) AIRCO AC / DC Heliwelder; Model 250 Amp
- (1) INLAND Bead Blaster; Model SB-SU
- (1) Wilson Hydraulic Press
- (1) Hannifin Hydraulic Prototype Press
- (2) Heat Treat Ovens
- (1) 15" Brake

### **Inspection / Test Equipment**

- (1) Mitutoyo Optical Comparator; Model UDR 220
- (1) Mitutoyo Optical Comparator; Model PH350
- (1) Kodak Optical Comparator, Model 2A
- (2) OGP Optical Comparator 30"
- (1) Mitutoyo Digital Height Gage; Model 215-413
- (2) Wilson Rockwell Hardness Tester
- (1) Enco Hardness Tester
- (1) Mitutoyo Digital Hardness Tester, ATK 600
- (1) Magnos Coercive Force Meter; Model 1448
- (2) Surfometer Surface Finish Tester
- (1) MicroVu Non Contact Video Measuring System 6 1/2" x 8" measuring area
- (2) Mitutoyo Toolmakers Microscope With Part Measurement Capabilities
- (1) Leitz Wetzlar Cam Measuring Machine
- (1) Assortment of Gage Blocks, Gage Pins, Micrometers, Calipers, Height Gages, and Microscopes
- (1) JJ Instruments Tensile Texturometer T5K
- (1) Brown & Sharpe CMM Model 7-10-7



## **SUPPORT**

One of the main reasons for our success and sustained growth is the strength of our support areas. Our tooling department is completely equipped with the latest in metal working equipment and is manned by some of the most talented toolmakers in this area. Our maintenance department is also equipped and manned to maintain our production and support equipment. We also have two in-house manufacturing engineers available for new applications as well as improving existing ones. Our in-house tool designers utilize Auto-Cad 2004 and Solid Works 2008 including Quick Press and Quick Form.

To ensure Quality is maintained from the initial quote through final inspection and shipment to the Customer, T&C Stamping is registered to **ISO/TS 16949:2009** and **ISO 9001:2008**. We believe Quality is what the Customer expects.