

EQUIPMENT CAPACITY LIST

Released By: VP

Date: 05-18-2023



LASER INDUSTRIES INC
Form No. FR0248 Rev. H

SECTION CONTENTS

	PROCESS	CONTENT	PAGE
(A)	LASER CUTTING	2	1
(B)	WATERJET CUTTING	4	1
(C)	CNC MACHINING	14	2
(D)	CNC TURNING	1	2
(E)	CNC ROUTING	1	2
(F)	BRAKE/BUMP FORMING	5	3
(G)	STRETCH FORMING	3	3
(H)	ROLL FORMING	4	3
(I)	HOT FORMING	2	3
(J)	ABRASIVE DEBURRING/CLEANING	2	3
(K)	ASSEMBLY	4	3
(L)	WELDING	7	4
(M)	MARKING	5	4
(N)	REVERSE ENGINEERING	1	4
(O)	CMM MEASUREMENT	5	4
(P)	MANUAL MACHINING/MISC	9	4

(A) LASER CUTTING

(1)	3-AXIS	MITSUBISHI ML-3015 SR 4,500-WATT, CO2 HIGH-POWERED FLAT LASER, FLYING OPTICS + PALLET EXCHANGER CAPABILITY: X: 120" Y: 60" MFG DATE: MAR 2020
(2)	3-AXIS	MITSUBISHI ML-3015 HV 4,500-WATT, CO2 HIGH-POWERED FLAT LASER, HYBRID OPTICS CAPABILITY: X: 120" Y: 60" MFG DATE: JAN 2006

(B) WATERJET CUTTING

(1)	5-AXIS	FLOW MACH 4, DYNAMIC XD 94,000 PSI, DYNAMIC XD HEAD WATERJET, TAPER CONTROL, QUAD PUMP CAPABILITY: X: 158" Y: 80" Z: 20" MAX TAPER: 2° MAX ANGLE: 60° MFG DATE: 2014
(2)	3-AXIS	FLOW MACH 3 87,000 PSI, STANDARD FLAT WATERJET, DUAL-HEAD ATTACHMENT CAPABILITY: X: 159" Y: 81" MFG DATE: 2011
(3)	3-AXIS	FLOW MACH 2 55,000 PSI, STANDARD FLAT WATERJET, DUAL-HEAD ATTACHMENT CAPABILITY: X: 120" Y: 72" MFG DATE: DEC 2014
(4)	3-AXIS	OMAX 80160 55,000 PSI, STANDARD FLAT WATERJET, DUAL-HEAD ATTACHMENT CAPABILITY: X: 163" Y: 72" MFG DATE: 2012

EQUIPMENT CAPACITY LIST

Released By: VP

Date: 05-18-2023



LASER INDUSTRIES INC
Form No. FR0248 Rev. H

(C) CNC MACHINING	
(1)	4+1-AXIS VICTOR TAICHUNG VCENTER-AX350 CAPABILITY: X: 27.5" Y: 19.6" Z: 21.2" RPM: 15,000 TAPER: BBT-40 MFG DATE: 2016
(2)	4+1-AXIS VICTOR TAICHUNG VCENTER-AX380 CAPABILITY: X: 27.5" Y: 19.6" Z: 21.2" RPM: 12,000 TAPER: BBT-40 MFG DATE: 2018
(3)	4+1-AXIS VICTOR TAICHUNG VCENTER-P106 CAPABILITY: X: 41.7" Y: 23.6" Z: 22.0" RPM: 12,000 TAPER: BBT-40 MFG DATE: 2018
(4)	4-AXIS BROTHER SPEEDIO R450X1 CAPABILITY: X: 17.7" Y: 12.6" Z: 12.0" RPM: 16,000 TAPER: BT-30 MFG DATE: FEB 2019
(5)	4-AXIS BROTHER SPEEDIO R650X1 CAPABILITY: X: 25.6" Y: 15.7" Z: 12.0" RPM: 16,000 TAPER: BT-30 MFG DATE: FEB 2019
(6)	3-AXIS VICTOR TAICHUNG VCENTER-102 CAPABILITY: X: 40.0" Y: 23.6" Z: 22.0" RPM: 6,000 TAPER: BBT-50 MFG DATE: 2018
(7)	3-AXIS VICTOR TAICHUNG VCENTER-102E CAPABILITY: X: 40.1" Y: 23.6" Z: 22.0" RPM: 8,000 TAPER: BT-40 MFG DATE: 2019
(8)	3-AXIS VICTOR TAICHUNG VCENTER-85 CAPABILITY: X: 33.5" Y: 20.5" Z: 22.0" RPM: 6,000 TAPER: BT-50 MFG DATE: UNKNOWN
(9)	3-AXIS VICTOR TAICHUNG VCENTER-A110 CAPABILITY: X: 43.3" Y: 23.6" Z: 22.0" RPM: 15,000 TAPER: BT-40 MFG DATE: 2017
(10)	3-AXIS VICTOR TAICHUNG VCENTER-P106 CAPABILITY: X: 41.7" Y: 23.6" Z: 22.0" RPM: 12,000 TAPER: BBT-40 MFG DATE: 2018
(11)	3-AXIS VICTOR TAICHUNG VCENTER-P136 CAPABILITY: X: 53.5" Y: 27.5" Z: 27.5" RPM: 12,000 TAPER: BBT-40 MFG DATE: 2018
(12)	5-AXIS DMG MORI DECKEL MAHO DMU-100P CAPABILITY: X: 39.4" Y: 39.4" Z: 39.4" RPM: 10,000 TAPER: HSK-100 MFG DATE: UNKNOWN
(13)	5-AXIS DMG MORI DECKEL MAHO DMU-100P CAPABILITY: X: 39.4" Y: 39.4" Z: 39.4" RPM: 10,000 TAPER: HSK-100 MFG DATE: UNKNOWN
(14)	5-AXIS DMG MORI DECKEL MAHO DMU-100P CAPABILITY: X: 39.4" Y: 39.4" Z: 39.4" RPM: 10,000 TAPER: HSK-100 MFG DATE: UNKNOWN

(D) CNC TURNING	
(1)	TAKISAWA TCN-2100U L6 CHUCK SIZE: 8" MAX DIA: 15.75" MAX LENGTH: 23.62" RPM: 3,200 TURRET: 12 STATIONS

(E) CNC ROUTING	
(1)	5-AXIS ANDERSON AMERICA MAXXIS-1631P CAPABILITY: X: 86.6" Y: 145.6" Z: 47.2" B: ± 105° C: ± 200° MFG DATE: 2018

EQUIPMENT CAPACITY LIST

Released By: VP

Date: 05-18-2023



LASER INDUSTRIES INC
Form No. FR0248 Rev. H

(F) BRAKE/BUMP FORMING	
(1)	mitsubishi diamond BH-1353 135 TON, 10FT FORM SECTION
(2)	mitsubishi diamond BB-4013 36 TON, 4FT FORM SECTION
(3)	AMADA HG-1303 130 TON, 10FT FORM SECTION MFG DATE: 2016
(4)	AMADA HDS-8025 80 TON, 8FT FORM SECTION MFG DATE: 2011
(5)	AMADA HD-8025 80 TON, 8FT FORM SECTION MFG DATE: 2016

(G) STRETCH FORMING	
(1)	HUFFORD A-12 STRETCH FORM, 60 TON INDEPENDENT ARM MOTION, ARM SWING: +10°/-90° PER ARM, OPERATING PRESSURE: 2,000 PSI TENSION CYLINDER: MAX PULL: 118,000 LBS PULL: ADJUSTABLE, 3 TO 60 TONS STROKE: 30" ROTATION: 25° LENGTH OF PART: MAX: 260" MIN: 28"
(2)	ALSTOM V30-300 STRETCH FORM, 30 TON INDEPENDENT ARM MOTION, ARM SWING: +10°/-90° PER ARM TENSION CYLINDER: STROKE: 30" ROTATION: 25° LENGTH OF PART: MAX: 300" MIN: 30"
(3)	BERNITZ ASCI-7 STRETCH (SKIN) FORM, 300 TON HYDRAULIC GRIPPER SEGMENTED JAWS, 2 UP-ACTING PRESS TABLE CYLINDERS 150 TON EACH LENGTH OF PART: MAX: 96" MIN: 18"

(H) ROLL FORMING	
(1)	OPTIMUM RB50 MANUAL SLIP ROLL, 12"
(2)	DAYTON 13W881 MANUAL SLIP ROLL, 24"
(3)	JET ESR-1650-3T ELECTRIC SLIP ROLL, 50"
(4)	JMT MRB 1204 ELECTRIC INITIAL PINCH PLATE SLIP ROLL, 50" MFG DATE: 2016

(I) HOT FORMING	
(1)	BAKER FURNACE INC FURNACE
(2)	PROTHERM CONTROLLER MULTI-ZONE MONITOR FOR HOT DIES, CALIBRATED TEMPERATURE CONTROL MAX TEMP: 2400°F

(J) ABRASIVE DEBURRING/CLEANING	
(1)	MIDWEST AUTOMATION MINI 9 CONVEYOR DEBURR MACHINE BELT WIDTH: 9"
(2)	ECONOLINE SANDBLAST CABINET ABRASIVE BLAST CHAMBER 25 CFM BLAST GUN

(K) ASSEMBLY	
(1)	GENERAL PNEUMATIC TOOLS 15000CSA INSERTION PRESS, 5000LB-F
(2)	GENERAL PNEUMATIC TOOLS 6000CS INSERTION PRESS, 5000LB-F
(3)	GENERAL PNEUMATIC TOOLS 6000CS INSERTION PRESS, 5000LB-F
(4)	KING KSD-340 BENCH TOP DRILL PRESS

EQUIPMENT CAPACITY LIST

Released By: VP

Date: 05-18-2023



LASER INDUSTRIES INC
Form No. FR0248 Rev. H

(L) WELDING			
(1)	MILLER DYNASTY 350DX	TIG WELDER	MFG DATE: 2015
(2)	MILLER DYNASTY 280DX	TIG WELDER	MFG DATE: 2018
(3)	MILLER DYNASTY 280DX	TIG WELDER	MFG DATE: 2018
(4)	MILLER DYNASTY 280DX	TIG WELDER	MFG DATE: 2018
(5)	PANASONIC PANASTAR RF350	MIG WELDER	MFG DATE: 1994
(6)	MILLER MULIMATIC 215	ALL-PURPOSE WELDER	MFG DATE: 2018
(7)	TELEDYNE PEER P-25	SPOT WELDER	MFG DATE: 1981

(M) MARKING			
(1)	VIDEOJET 1520	PROGRAMMABLE INDUSTRIAL INKJET	MFG DATE: 2016
(2)	JIMANI LANGOLIER	FIBER LASER SYSTEM, LASER ENGRAVE/ETCH MARKING	MFG DATE: 2010
(3)	LEE LASER SERIES 800 ND:YAG LASER	FIBER LASER SYSTEM, LASER ENGRAVE/ETCH MARKING	MFG DATE: 2003
(4)	MONODE 550E	ELECTROETCH MARKING SYSTEM, 40V DEEP ETCH CAPABLE	MFG DATE: UNKNOWN
(5)	ROLLBAG R1275	AUTOMATIC TABLETOP BAGGER WITH PRINTER	MFG DATE: 2019

(N) REVERSE ENGINEERING			
(1)	GTCO CALCOMP DRAWINGBOARD VI	LARGE-FORMAT DIGITIZER, STANDARD CAPABILITY: X: 60" Y: 44"	

(O) CMM MEASUREMENT			
(1)	FARO ARM FUSION	12FT ARM CAPABILITY	MFG DATE: 2008
(2)	HEXAGON ABSOLUTE ARM COMPACT, 85 SERIES	8FT ARM CAPABILITY	
(3)	OGP SMARTSCOPE FLASH 1500	OPTICAL VISUAL SCANNER CAPABILITY: X: 35.4" Y: 59.0" Z: 7.8"	
(4)	ZEISS CONTURA	CMM MACHINE VERISURF/CALIPSO PROGRAMMING SOFTWARE, MSR MINI MULTI-SENSOR RACK ATTACHMENT CAPABILITY: X: 39.3" Y: 47.2" Z: 23.6"	MFG DATE: 2017
(5)	ZEISS CONTURA	CMM MACHINE VERISURF/CALIPSO PROGRAMMING SOFTWARE, MSR MINI MULTI-SENSOR RACK ATTACHMENT CAPABILITY: X: 39.3" Y: 47.2" Z: 23.6"	MFG DATE: 2019

(P) MANUAL MACHINING / MISCELLANEOUS			
(1)	WYSONG 1010	MECHANICAL SHEAR, 10FT	
(2)	ACRA MACHINERY AM2-5AC	MANUAL MILL	
(3)	ACRA MACHINERY AM2-5AC	MANUAL MILL	
(4)	ACRA MACHINERY AM2-5AC	MANUAL MILL	
(5)	JET JWDP-12 DRILL PRESS	MANUAL MILL	
(6)	TCE CORP ERCO 1447-60T	SHRINKER-STRETCHER	
(7)	US INDUSTRIAL TOOL USPP-150	PEDAL FORMER, SHRINKING & STRETCHING	
(8)	LAGUNA 14-TWELVE	BAND SAW	
(9)	SCOTCHMAN CPO 350 LT	MITER COLD SAW, 135° ROTATION, COOLANT TANK	