Machine Shop Equipment - Albany

Updated 8/10/2020

DESCRIPTION	BARCODE	CAPABILITIES	MANUFACTURER	MODEL	SERIAL NUMBER	COST	BLDG	ROOM	AGE (Yrs)	Condition Code	Use Freguecy
Hacksaw, Racine Hyd Power, 3 Hp, 1200 Rpm	0000994	Cutting large pieces by cutting in one direction similar to a hacksaw, but with large capabilities, up to 24". Unique to anything else on site.	Racine	41Cx	900374	$6,049	5	101	60	5	2
Lathe, 16" X 54"	0000940	Longest length bed for ALB Machine shop, gives ability to do parts up to 54" length. Allows work on furnace tubes, collar threads etc.	Monarch	Series 60	32939	$9,104	5	102	66	3	5
Milling Machine, Variable Speed W/42 In.	0000967	Face, side mill, end mill, drill, bore, all typical capabilities of a manual mill. Used for roughing material off of parts to get them to size or shape.	Bridgeport	12/Br2J-42	J173147	$9,738	5	101	42	4	4
Drilling Press, Geared Head,		Drill press used for loose tolerance parts.	Rockwell Alloy Comp	MOD EF-2	51364-19	$2,772	5	102	37	2	2
Cutter Set, Delux, Holdridge		Ability to cut precise radius' on give diameters.	Radii	Model 4D, 0-4"		$633	5	101	33	2	5
Saw,Band For Contour Sawing,Filing Polish	0000994	If fully operational, will allow contour cutting by manually moving the material around the blade. One of a kind capability for ALB shop.	Doall	3613-0	278-75675	$7,125	5	101	41	3	5
Press, 25 Ton Elec-Draulic	0086415	Designed for pressing shafts into round bored holes. Also good for flattening bowed material.	Drake	5-025,	191435	$7,450	5	101	25	2	5
Cutter		Ability to cut precise radius' on give diameters.	Radii	2555, 18, 333" Deluxe		$586	5	101	29	2	5
Milling Machine	A00012URS	Face, side mill, end mill, drill, bore, all typical capabilities of a manual mill.	Bridgeport Corporati	Bridgeport Series I	HDNG6319	$38,655	5	101	1	1	1
Diamond Abrasive Cut Off Saw	0000000585	Cuts basically anything because it uses multiple types of cutoff wheels, including diamond wheels.	Struers	Exotom - 100	5040160	$56,710	5	101	13	2	4
CNC Lathe	0000002583	Consistent, repetitive, quality production for anything that needs to be round, threaded, or bored.	HAAS Automation, In	ST-20	3100234	$70,655	5	101	2	1	1
Lathe, 15", Clausing	0000509	More power than the smaller model with larger diameter capability	Clausing / Colchester	8031 Vs		$21,061	5	101	25	4	1
Milling Machine, Vertical,Group U.S.A.	0000516	Programmable movement for volume orders. Easier setup and faster programming than CNC mill. Adjacent to new manual mill for multi-tasking between machines.	Amstar	Mv-54,	04428	$32,810	5	101	23	5	4
Lathe, 24", 48" Between Centers	0000948	Largest diameter capability for the shop.	Monarch	22" cm	25934-A	$11,000	5	101	53	4	5
Lathe	0086432	Small part efficiency versus larger chuck lathes.	Clausing / Colchester	8014Vs	02660		5	102	25	4	2
Milling Machine, 40"X20"X25" Xyz, Geared Head, 20Hp Vector Drive.	C5501	Biggest table mill in the shop giving the largest milling size capability. 40" x 20" x 25" **CNC with controller upgrade (2017).**	HAAS Automation, In	VF-3B, VMC	20517	$95,242	5	101	16	4	1

Hacksaw, Racine Hyd Power, 3 Hp, 1200 Rpm	0000994	Cutting large pieces by cutting in one direction similar to a hacksaw, but with large capabilities, up to 24". Unique to anything else on site.	Racine	41Cx	900374	$6,049	5	101	60	5	2
Finisher/Polisher	0000044034	Coupon surface finishing	LabMaster	Model 12	18259	$6,000	5	101	3	1	4
Band Saw	0000517	First operation, rough cuts, for all parts machined. Heavy usage.	Marvel	Series 8 Mark 2	826714	$14,384	5	101	15	3	1
Milling Machine	C5513	Second largest mill table with all axis with power. Good for low volume, larger pieces.	Bridgeport Corporati	Series 2	7480	$64,279	5	101	24	3	4
CNC Mill 20"x12"x16"	N005045	20" x 12" x 16" table, better efficiency for small parts	HAAS Automation, In	TM-1p	1172539	$44,215	5	101	0.2	1	2
Band Saw	000108526	17" length of cut Band saw	Marvel	Series 8 Mark 2	831734	$26,070	5	101	2	1	2
Lathe, Variable Speed	N0050046	17" swing manual Lathe, 3 1/8" thru bore, Variable Speed, MT 5 spindle taper	Acra	1760TVS	1762003	$42,995	5	101	0.2	1	3

Condition Code Legend
#1 - New
#2 - Used Good
#3 - Fair needs upgrade
#4 - Fair needs repair
#5 - Needs replaced

Use Code Legend
#1 - Daily
#2 - Frequently
#3 - Weekly
#4 - Semi-Monthly
#5 - Rarely -As Needed

Machine Shop Equipment - Morgantown

Updated 8/11/20

DESCRIPTION	BARCODE	CAPABILITIES	MANUFACTURER	MODEL	SERIAL NUMBER	COST	BLDG	ROOM	AGE (Yrs.)	Condition Code	Use Frequency
CNC Lathe	A00093URS	10" chuck w/Y axis & live tooling	Haas	ST-30SSY	3106905	$192,300	19	300	4	#1	2
CNC Mill	A00094URS	5 axis w/optional trunion	Haas	VF-3SSYT	1135598	$216,400	19	300	4	#1	2
Waterjet Cutting Maching	A00088URS	Cut metal to 4" thickness	OMAX	55100	B512522	$347,000	19	300	4	#1	2
Press Brake	220801	Bend metal	Accurpress	713010	3939	$40,896	19	300	24	#4	4
Metal Shear	223123	Shear Metal to 1/4"	Accurshear	625010	2648	$34,595	19	300	23	#2	2
Band Saw	2475	Cut material up to 18"	Hydmech	VW18	WA0912413B	$31,300	19	300	8	#2	2
Machine Milling	148976	Mill, bore, tap, etc. has 4' table	Bridgeport Corporation	1-180-0171	2J128566-2	$14,597	19	300	36	#3	2
Lathe Straight Bed	155332	10" chuck x 4' L	Clausing / Colchester	CLOCHESTER-15	6-0055-36332	$18,460	19	300	32	#2	3
Drill Press, Radial	222423	Will accept up to 2" dia bit	Wilton Tools	1230R	13573	$18,955	19	300	23	#2	5
Machine Milling	222669	Mill, bore, tap, etc. has 4' table	Bridgeport Corporation	SERIES	162245	$15,921	19	300	23	#2	3
Lathe, 21" Gap Bed	223314	12" chuck x 6' L	Clausing / Colchester	MASTIFFGH	MF0065	$42,019	19	300	23	#2	3
Machine Ez-Track Vertical Milling	C4150	Mill, bore, tap, etc. has 5' table	Bridgeport Corporation	EZ-TRAK II	172962	$31,196	19	300	19	#2	2
Pipe threader	C5016	Cut and thread pipe to 2"	Ridgid Tool Company	1224	EB19500K00	$5,932	19	300	20	#2	4
Welder Tig	12023	Stick & TIG matl up to 1"	Lincoln Electric	355	U1000209920	$2,498	19	300	20	#4	3
Welder/Generator	18414	Stick & TIG matl up to 1/2"	Miller Electric	BOBCAT-250NT	LC514361	$2,820	19	300	17	#2	3
Plasma Arc Cutting & Gouging Sys	43681	Cut metal to 1"	Hypertherm	POWERMAX 1650	1650-027033	$4,402	19	300	8	#1	5
Welder MiG weld	65938	MIG metal to 1/2"	AirCo	25DTR-224B-SM	P351879	$1,643	19	300		#3	4
Welder Electric	222522	MIG/FCAW of matl up to 1"	Lincoln Electric	POWER	U1961204263	$5,690	19	300	24	#2	4
Stick & TIG matl up to 1/2"	C4118	Stick/TIG of matl to 1"	Lincoln Electric	355	U101400860	$5,756	19	300	19	#2	4
Press Hydraulic, 50 Ton Manual	53676	50 ton press force	KR Wilson	37E	4265	$529	19	300	29	#2	5
Press Hydraulic 100 Ton	105863	100 ton press force	Enerpac	RCH-123		$250	B-0017	All	40	#2	5
Grinder, Surface	134689	6" x 10" table	Falcon Machine	FSG-2A618	2A-2266	$7,954	19	300	36	#2	4
Press Drill, 20"	152706	Will accept up to 1 1/2" dia. Bit	Clausing Corporation	2277	526477	$3,026	19	300	34	#2	3
Drill Press Precision	221440	Will accept up to 1/16" dia. Bit	Servo Motor of Taiwan	7000	9757	$1,515	19	300	22	#2	5
Roll Plate	53836	Roll up to 1/4" plate 5'L	Hendley Whittemore		14504	$2,600	19	300	10	#2	5
Universal Iron Bender	104232	Bend metal/pipe up to 2" dia.	Hossfeld Universal Benders	WRENCHLESS SIZE 2	B-17633	$1,100	19	300	Unknown	#3	5

Power Roll, W/Wire Grooves	223055	Roll metal up to 10ga, 4' L	Sheet Metal Machine, Inc	NR4816	021-697	$5,147	19	300	23	#2	5
ENGLISH WHEEL	GFP00191URS	Form sheet metal to 1/8"	Jet	WH-45T-45"	14070011	$2,199	19	300	5	#1	5
Orbital Welder	000001445	Welds tubing	AMI	Model 205	47955		19	300	Unknown	#2	5
Smoke evacuator	41551	Evacuates welder smoke	ACE Ind.	73-201-meea	73-201-HE12A	$1,700	19	300		#2	5
Smoke evacuator	0000026007	Evacuates welder smoke	Plymouth	MK 1200		$1,700	19	300		#2	5
Square wave Tig welder	0000010598	Tig welder	Lincoln Electric	355	U1010400860	$5,756	19	300	19	#2	5
Tig Welder	0000047450	Tig welder	Lincoln Electric	375	U1181104931	$8,482	19	300	2	#1	5
Gasoline Welder	0124116	Portable gasoline stick welder	Lincoln Electric	AC225 DC210/6	A1008596		19	300		#2	5
Mig Welder	0000004624	wire welder	Miller Electric	Multimatic 200	MF274011N	$2,285	19	300	4	#2	5
Mig Welder	S1273	wire welder	Miller Electric	Miller Magic 250X	KK175874		19	300		#3	5
HYD Tubing Bender	C002142	Bends Tubing up to 2"	Baileigh	RDB-150	20-0180	$5,935	19	300	1	#1	5

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Machine Shop Equipment - Pittsburgh

Up-dated 8/22/17

DESCRIPTION	BARCODE	CAPABILITIES	MANUFACTURER	MODEL	SERIAL NUMBER	COST	BLDG	ROOM	AGE (Yrs)	Condition Code	Use Freguecy
DRILL PRESS	C4140	Standard veritcle drilling to 1" dia.	WILTON	2025	80548	$5,195	86	112	15	#2	3
SAW, BAND	C4610	Horizontal cut, throat dia. 6"	WILTON	5634001	9124948	$5,200	86	112	25	#3	3
WELDER SQUARE WAVE 3	C4173	GMAW, TIG application	LINCOLN	K1415-1	K1828-1 10808	$7,002	86	112	7	#2	2
LATHE	A00123	Horizontal to 4" Dia	MONARCH	TOOLMAKER	46943	$65,000	86	112	2	#1	1
MILLING MACHINE	2677	Veriticle to 4" Dia	BRIDGEPORT	J60559	69096	$28,650	86	112	2	#1	1
IRONWORKER HYDRAULIC	C4137	Hole punch to 2", angle shear to 2"	GEKA	80A	11101	$20,270	86	112	14	#2	5
SHEAR, HYDRAULIC	C3782	Shearing of 4' wide X 1/2" thickness carbon steel plate	PACIFIC HYDRAU	375R6	S10830	$41,271	86	112	35	#2	4
WET SAW	A00131	Cut 3" thick materials	LECO	MSX305A1	n/a	$57,840	86	112	1	#1	5

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