

BUTECH BLISS

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550 South Ellsworth Avenue • Salem, OH 44460

Phone (330) 337-0000 • Fax (330) 337-0800 • www.butechbliss.com

Manufacturing Facility Equipment List

January 2017

CNC Vertical Machining Centers

Make	Model	Number of Axis	Table Size	Table Capacity	Table Travel	Head Travel-Z	Tool Max. Capacity	Tool Max. Diameter	Crane Capacity InTons
Okuma	MC-5VA	3	51" x 20"	2,200#	X = 41.3" Y = 20.1"	30"	32	5.51"	5
Howa	5VA	4	55.1" x 21.6"	N/A	X = 41.0" Y = 24.9"	31.875"	20	4.92"	5
Cincinnati-Milacron	VC-20	4	30" x 122.5"	10,000#	X = 120" Y = 30"	25"	30	4"	5
Bridgeport	EZ-Track	3	58" x 11"	600#	X = 32" Y = 14.5"	5" Spindle Travel	N/A	N/A	1
Cincinnati	Sabre 1000	3	19.6" x 39.4"	N/A	X = 39.4" Y = 19.6"	27"	N/A	N/A	20/10

CNC Vertical Mills

Make	Model	Number of	Table Size	Table Capacity	Table Travel	Head Travel-Z	Crane Capacity In Tons
Rambaudi	2001 Vertical Mill	3	157.5" x 78.7"	66,000#	X = 157.5" Y = 77.7"	43.7"	35/12.5
Rambaudi	801 Vertical Mill	3	72" x 32"		X = 78" Y = 31"	29"	20/10
Rambaudi	Bridge Mill	3	177.2" x 137.8"	80,000#	X = 157.2" Y = 136"	59"	35/12.5
Rambaudi	1201 Vertical Mill	3	118.1" x 47.2"	31,000#	X = 118.1" Y = 48"	39.4"	20/10

Vertical Milling Machines

Make	Size	Table Size	Table Capacity	Table Travel-X	Table Travel-Y	Table Travel-W	Crane Capacity In Tons
Kearney & Trecker	#5	18" x 96"	N/A	33"	15"	18"	2
Cincinnati	NA	9" x 42"	N/A	36"	10"	10"	0

CNC Horizontal Boring Mills

Make	Model	Floor or	Number of Axis	Table	Table	Table	Vert. Hd. Travel - Y Spindle	Crane
Giddings & Lewis	65HST (5")	Table	3	48" x 98"	30,000#	X = 83.75" W = 46.5"	Y = 60" Z = 35.5"	100/25
Giddings & Lewis	6" 70-D5-T	Table	3	72" x 146"	80,000#	X = 134" W = 81"	Y = 118.25" Z = 32"	100/25
FPT	FPT M-ARX 50	Table	3	196.8"x118.1"	N/A	N/A	Z = 47.2"	35/12.5
FPT	FPT AREA M50	Table	3	196.8"x98.4"	N/A	N/A	Z = 39.4"	35/12.5
FPT	FPT SPACE 2000	Table	3	78.5"x38.5"	N/A	N/A	Z = 32"	20/10
FPT	FPT LEM-T	Table	3	157"x78"	40,000#	W = 58.2"	Z = 47"	20/10
FPT	FPT M-ARX 60	Table	3	193"x106"	80,000#	N/A	Z = 47.2"	40/20
FPT	FPT AREA T/R	Table	3	118.1"x78.7"	30,000#	N/A	Z = 39.4"	40/20
FPT	FPT SIRIO T/10BF 1340	Table	3	137.8"x78.7"	41,000#	N/A	Z = 47"	20/10

CNC Horizontal Machining Centers (Table Type)

Make	Model	Floor or	Number of Axis	Table	Table	Table	Crane	Vert Hd Travel - Y Spindle Travel -	Tool Max. Capacity
Okuma	MX50-HB	Table	3 1/2 Axis	(2) 19.69"	1760#	X = 27.56" W = N/A	5	Y = 31.5" Z = 27.56"	40
Cincinnati-Milacron	T-20	Table	4 Axis	(2) 24.8"	3,000#	X = 32" W = N/A		Y = 32" Z = 32"	45
Cincinnati	Maxim 500	Table	3 1/2 Axis	(2)	2,200#	X = 26" W = N/A	5	Y = 26" Z = 26"	45
Cincinnati - Milacron	20-HC	Table	3 Axis	(2) 32" x 32"	5,000#	X = 100" W = N/A	100/25	Y = 48.51" Z =	60
OKK	HM80S	Table	3 axis	31.5"x31.5"	N/A	X = 39.4" W = N/A	20/10	Y = 33.5" Z	N/A
OKK	HM80S	Table	3 axis	31.5"x31.5"	N/A	X = 39.4" W = N/A	20/10	Y = 33.5" Z	N/A
Hermle	UWF 902	Table	3 axis	23.6"x17.7"	N/A	X = 23.6" W = N/A	20/10	Y = 17.7" Z = 19.6"	N/A

Horizontal Boring Mills (Floor Type)

Make	Spindle Size	Floor Plate/ Table Size	Travel	Spindle Travel	Ram Extension	Crane Capacity	Misc.
Gray	5"	127" x 216" 54" x 132" x 42"	X = 144" Y = 96" Z = 60"	W = 24"	N/A	50/25	36" Facing Head
Giddings & Lewis	7"	144" x 144"	X = 120" Y = 120"	W = 48"	N/A	50/25	N/A
Ingersoll	7"	300" x 240"	X = 234" Y = 126" Z = 60"	W = 60"	N/A	100	Right Angle Head
Mitsubishi	5.34"	144" x 284"	X = 238" Y = 154-3/4"	Z = 39"	22 3/4"	25/5	98" x 98" Turn Table with 66,000# cap.

CNC Horizontal Boring Mills (Floor Type)

Make	Spindle Size	Floor Plate/ Table Size	Travel	Spindle Travel	Ram Extension	Crane Capacity	Misc.
Ingersoll	25" Square Ram, 9" Spindle	240" x 600"	X = 490" Y = 139.5"	N/A	Z = 60"	125	Right Angle Head / Double Right Angle Head / Offset Head / Gunmill Capability
Giddings & Lewis	5"	192" x 480"	X = 365" W = 52"	Y = 112.5"	Z = 36.5"	100	N/A

Horizontal Boring Mills (Table Type)

Make	Spindle	Table Size	Table	Table	Column	Spindle	Crane	Table Capacity
Gray	7"	80" x 266"	X = 283"	N/A	Y = 120"	Z = 58" W = 48"	100/25	110,000#
Lucas	4"	42" x 74"	X = 64.5"	W = 60"	Y = 46.5"	Z = 25"	25/5	N/A

Planer Mills

Make	Size	Quill / Spindle Extension	# of Heads	Travel of Heads	Table Size	Table Travel	Crane Capacity In Tons	Max. Work Height/Width	Max. Work Weight
Ingersoll	11'	18" Quill Extension	1-Rail	X = 220" Y = 90"	120" x 384"	420"	125	98" / Openside Machine	100,000#
Gray	72"	10" Dia. Quill w/ 14"	2-Rail 1-Side	X = 130"	66" x 288"	276"	100/25	84" / 85"	100,000#
Gray	84"	10" Dia. Quill w/ 14"	2-Rail 1-Side	X = 136"	84" x 288"	308"	100/25	96" / 96"	120,000#
Ingersoll	14'	18" Quill	2-Rail	X = 330" Y =	163" x 539"	504"	125	160" / 185"	400,000#
Ingersoll	10'	12" Dia. Quill w/ 16"	1-Rail	X = 120"	120" x 384"	330"	100	106" / 120"	200,000#

Planers

Make	Size	Quill / Spindle Extension	# of Heads	Travel of Heads	Table Size	Table Travel	Crane Capacity In Tons	Maximum Work Height/Width	Max. Work Weight
Betts	10'	N/A	2-Rail 2-Side	X = 120" Y = 28" X = 24" Y = 84"	108" x 360"	360"	100/125	121" / 120"	N/A

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Turret Lathes

Make	Size	Crane	Maximum Swing Over Ways	Maximum Swing Over Carriage	Maximum
Warner & Swasey	3A	5/1	22"	16"	33"

CNC Lathes

Make	Size	Crane	Maximum Swing Over Ways	Maximum Swing Over Carriage	Maximum
Okuma Multus	20"/15"	35	32.68"	32.68"	118"
Cincinnati SlantBed	24"	25 / 7	30"	18.5"	105"
American	30"	25 / 7.5	45"	31"	480"
Mazak	15"	5	20-1/2"	12-1/2"	41-3/8"
Mazak Mill Turn	10"	5	20"	15 3/4"	60"
Butech Mill Turn	100	200	100"	100"	420"
Poreba	N/A	20/10	30"	15.9"	160"

Engine Lathes

Make	Size	Crane	Maximum Swing	Maximum Swing Over Carriage	Maximum
Meuser	48"	100/25	50"	36"	228"
LeBlond	50"	100/25	52-1/2"	39"	336"
LeBlond	24"	5/2	32"	20"	120"
Monarch	18"	1/2	27"	18"	240"
American	48"	100/25	48"	32"	240"
American	48"	100/25	48"	32"	240"
American	14"	5/1	20"	13"	54"
LeBlond	12"	1	9.5"	8"	48"
LeBlond Gundrill	36"	1	38.5"	26.75"	N/A

Vertical Boring Mills & Vertical Turret Lathes

Make	Table Size	Maximum Swing	Crane Capacity In Tons	Number of Heads	Height Under Rail	Table Capacity
Bullard	54"	60"	100/25	1-side, 1-turret, 1-ram	42"	N/A
Giddings & Lewis CNC	144"	145"	100/25	2-Rail	95"	100,000#

CNC Vertical Turret Lathes

Make	Table Size	Maximum Swing	Crane Capacity In Tons	Number of Heads	Height Under Rail	Table Capacity
Giddings & Lewis CN	52"	56"	25	1-turret, 5-Tools	44"	N/A

Drill Presses

Make	Size	Spindle	Column	Table	Maximum	Max. Traverse	Max. Vertical	Spindle
Carlton	8'	3-3/16"	19"	72"x48"	90"	79"	68"	18"
Cincinnati-Bickford	6'	4"	16"	36" x 76"	66"	55"	40"	21"
Cincinnati-Bickford	3'	2.812"	9"	18" x 24"	52"	26"	26"	N/A
Cincinnati-Bickford	8'	4"	19"	33" x 26" x 17"	62"	75"	78"	24"
DoAll	N/A	N/A	6-5/16"	34-5/8" x 23"	52"	N/A	N/A	5-7/8"
Walker-Turner	12"	N/A	4"	16" x 20"	N/A	N/A	N/A	N/A

Slotters

Make	Size	Crane	Travels	Maximum	Table Size
Rockford	20"	1	x = 25" y = 24" stroke = 20"	23-1/2"	28" Outer
Rockford	20"	2	x = 25" y = 24" stroke = 20"	40"	28" Outer

Surface Grinders (Vertical & Horizontal)

Make	Wheel Size	Crane	Maximum	Table	Max. Work	Vertical or	Table/Chuck
Blanchard	22"	25/1	48"	22"	18"	Vertical	42"
Blanchard	42"	25/1	83"	48"	24"	Vertical	72"
Grand Rapids	18" x 2"	25/2	N/A	72"	15"	Horizontal	72" x 14"
Thompson	20"x6"	25/2	N/A	120"	N/A	Horizontal	120"x24"
Chevalier	15"	N/A	N/A	N/A	15"		12"X24"
Lodi	N/A	20/10	N/A	27.5"	31.5"	Vertical	27.5"x13.7"
Lodi	N/A	20/10	47.2	15.7"	N/A	Vertical	N/A
Lodi	N/A	20/10	N/A	70.8"	19.6"	Horizontal	N/A

O.D. Grinder

Make	Wheel O.D.	Crane Capacity In Tons	Swing Over Table	Max. Centers	Max. Centers
Brown & Sharpe	14"	1	14"	33-3/4"	

Wire EDM Machines

Make	Model	Crane Capacity In Tons	Table Travels
Charmille	Robofil 510P	20/10	x = 25.5" y = 15.7" z = 15.7"
Charmille	Robofil 310P	20/10	x = 19.6" y = 11.8" z = 15.7"

