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CNC Vertical Mills	List Total Quantity													
Manufacturer	Model	# of machines	Year	# of Axis	X Travel (Inches)	Y Travel (Inches)	Z Travel (Inches)	Accuracy (mirco-meters)	Table Size	Spindle Speed	Live or Manual tool change?	High pressure coolant thru the tool?	Rotary Table or Indexer?	Multi Pallet Changer?
DMG MORI	DMU 75 monoBLOCK	2	2019	5-Axis Direct Drive Motor	28.9"	25.6"	22"				Live	Yes	Rotary	No
DMG MORI	DMU 65 monoBLOCK	1	2018	5-Axis Direct Drive Motor	28.9"	25.6"	22"				Live	Yes	Rotary	No
MORI SELKI	NMV 5000 DCG	1	2007	5-Axis Direct Drive Motor	28.7"	20.1"	20.1"	2.0 micron	Ø 27.6"	12,000 rpm	Live Tooling - 61 tools	Yes	Rotary	No
MORI SELKI	DURAVERTICAL 5100	3	2011, 2011, & 2014	4-Axis	53.1"	23.6"	20.9"	1.76 micron	40" by 20"	10,000 rpm	Live Tooling - 30 tools	Yes	Indexer	No
MORI SELKI	SV-500	1	1998	4-Axis with contouring capability	31.5"	20.1"	20.1"	5.0 micron	43.3" by 23.6"	20,000 rpm	Live Tooling - 30 tools	Yes		No
OKUMA	MB-46VAE-R	1	2006	4-axis	32"	18.11"	18.11"	5.0 micron	29.92" by 18.11"	15,000 rpm	Live Tooling - 32 tools	Yes		No
KIRA	KPC30A	1	2002	4-axis	19.7"	15"	11.8"	5.0 micron	25.6" by 15.0"	15,000 rpm	Live Tooling - 14 tools	Yes		No
KIRA	VTC30Elite	2	1998, 1998	3-axis with rotary table	17.34"	11.42"	10.63"	5.0 micron	19.68" by 12.6"	10,000 rpm	Live Tooling - 10 tools	Yes		No
KIRA	VTC30A	2	2000, 2000	3-axis with rotary table	15.75"	11.81"	10.63"	5.0 micron	12.5" by 19.5"	10,000 rpm	Live Tooling - 10 tools	Yes		No

CNC Horizontal Mills														
List Total Quantity														
Manufacturer	Model	# of machines	Year	# of Axis	X Travel (Inches)	Y Travel (Inches)	Z Travel (Inches)	Accuracy (micro-meters)	Table Size	Spindle Speed	Live or Manual tool change?	High pressure coolant thru the tool?	Rotary Table or Indexer?	Multi Pallet Changer?
MORI SELKI	NH-4000 DCG	2	2011, 11	4 Axis with Contouring	24.8"	22"	22"	1.8 micron	Ø24.8" Height:	14,000 rpm	Live Tooling - 240 tools	Yes	Rotary - Linear	Yes
MORI SELKI	NH-4000 DCG	1	2007	4 Axis with Contouring	24.8"	22"	22"	1.8 micron	Ø24.8" Height:	14,000 rpm	Live Tooling - 40 tools	Yes	Rotary - Carrier	No
MORI SELKI	NHX5000 2nd Generation	1	2015	4 Axis with Contouring	28.74"	28.74"	34.60"	2.54 micron	Height: 39.4"	15,000 rpm	Live Tooling - 240 tools	Yes	Rotary	Yes

CNC Lathes														
List Total Quantity														
Manufacturer	Model	# of machines	Year	# of Axis	X Travel (Inches)	Y Travel (Inches)	Z Travel (Inches)	Accuracy (micro-meters)	Chuck Size	Spindle Speed	Live or Manual tool change?	High pressure coolant thru the tool?		
OKUMA	MULTIS-U-3000	1	2016	11 - axis	32.08"	9.84"	62.99"	10 microns	8"	5,000 rpm	Live Tooling - 80 tools - Both Turrets	Yes		
OKUMA	LT2000EX	3	2011, 2017	10 - axis	8.07"	3.74"	28.74"	10 microns	8.27"	6,000 rpm	Live Tooling - 32 tools - Both Turrets	Yes		
OKUMA	LT200-MY	1	2007	9 - axis	7.56"	3.62"	27.56"	3 microns	8"	6,000 rpm	Live Tooling - 24 tools - Both Turrets	Yes		
OKUMA	LU300-M	5	2003, 04, 05, 07, &	5 - axis	14.9"	14.9"	23.7"	3 microns	8"	4,500 rpm	Live Tooling - 24 tools - Both Turrets	Yes		
OKUMA	LU15-M	2	2001, 2000	5 - axis	11.61"	11.61"	49.41"	3 microns	10"	4,500 rpm	Live Tooling - 20 tools - Both Turrets	Yes		
OKUMA	LB10II-M	2	1998	3 - axis	6.69"	6.69"	11.81"	3 microns	8"	6,000 rpm	Live Tooling - 12 tools - Single Turret	Yes		
OKUMA	LU3000EX	1	2013	9 - axis	16.53"	13.38"	51.18"	3 microns	10"	5,000 rpm	Live Tooling - 20 tools - Both Turrets	Yes		
OKUMA	LB3000EX	2	2012, 2013	4 - axis	13.39"	13.39"	39.38"	3 microns	10"	4,200 rpm	Live Tooling - 12 tools - Single Turret	Yes		
OKUMA	LB3000EXII	2	2013, 2016	4 - axis	39.37"	16.14"	22.24"	3 microns	10"	5,000 rpm	Live Tooling - 20 tools - Both Turrets	Yes		
OKUMA	LU15	2	1999, 2000	4 - axis	15.75"	n/a	49.4"	3 microns	10"	4,500 rpm	Live Tooling - 20 tools - Both Turrets	Yes		
OKUMA	LU25	1	1998	4 - axis	19.49"	n/a	54.52"	3 microns	10"	3,500 rpm	Live Tooling - 22 tools - Both Turrets	Yes		

AM (3D Printers)	List Total Quantity											
Manufacturer	Model	# of machines	Year	X Travel (Inches)	Y Travel (Inches)	Z Travel (Inches)	Resolution (Inch)	Dissolvable Supports	Plastics Capable	ULTEM	AS9100 Certified Materials & Certifications	Carbon Fiber
Stratasys	Fortus 450mc	1	2018	16"	14"	14"	0.005" to 0.016"	YES	YES	YES	YES - but only on request	YES

Inspection Equipment (CMM, Profilometer, etc.)						
	Manufacturer (insert additional rows as needed)	Model	# of machines	Year	# of Axis	Software
Bridge CMM	Hexagon MI	Brown & Sharpe 5.7.5	1	2005	3-axis	PC-DMIS 2019
Bridge CMM with Analog Scanner	Hexagon MI	Brown & Sharpe 7.10.7	1	2012	3-axis	PC-DMIS 2019
Bridge CMM	Hexagon MI	Brown & Sharpe Shop Floor 4.5.4	1	2012	3-axis	PC-DMIS 2019
Bridge CMM	Hexagon MI	Brown & Sharpe Shop Floor 4.5.4	1	2013	3-axis	PC-DMIS 2019
Bridge CMM	Hexagon MI	Hexagon Shop Floor 7.10.7	1	2015	3-axis	PC-DMIS 2019
Bridge CMM	Hexagon MI	Hexagon Shop Floor 4.5.4	1	2014	3-axis	PC-DMIS 2019
Bridge CMM	Hexagon MI	Hexagon Shop Floor 4.5.4	1	2017	3-axis	PC-DMIS 2019
Bridge CMM with Analog Scanner	Hexagon MI	Hexagon Global S Advantage 9' by 12' by 8'	1	2019	3-axis	PC-DMIS 2019
Visual CMM	Smart Scope	250 ZIP	1	2003	3-axis	Measure Mind 3D MultiSensor
Digital Profilometer	Mitutoyo	SJ-400	1	2012	2-axis	n/a
Digital Profilometer	Mitutoyo	SJ-410	1	2017	2-axis	n/a
OGP Focus Comparator	GP Inc. Optical Gaging Products	FC200	3	2007, 2007, & 2008	2-axis	n/a
Granite Table	Standridge	5ft by 10 ft	1	n/a	n/a	n/a

Other Equipment					
Manufacturer (insert additional rows as needed)	Model	# of machines	Year	# of Axis	Capacity
Hydmech	Hyd-Mech H14A Automatic Horizontal BandSaw	1	2017	2-axis	14" by 14"
United Surface Solutions	CPC-400 Centrifugal Barrel Finishing System	1	2012	n/a	n/a
United Surface Solutions	ARS-1000 Water Recycling Unit	1	2012	n/a	n/a
Crest Ultrasonics	UltraSonic Washer	1	2007	n/a	n/a