

Doutt Tool Equipment List

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High Speed 3D Hard Milling

1	Kitamura 3XIF Fine Surface Vertical Machining Center 20,000rpm capacity X=30" Y=17.9" Z=18.1"
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CNC Lathe Hard Turning

1	2001 Mori Seiki SL253B/500 CNC Turning Center max turning diameter 15.3", max turning length 19.1"
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Wire EDM

3	Mitsubishi FX-10K Wire EDM capable of running .004" .006" .008" .010" dia wire capacity X=13.77" Y=9.86" Z=8.66"
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Surface Grinding

19	Harig 612 Grinders all with Accurite Digital Readouts (15 of these are set up for wet grinding)
1	Mitsui 612 Ballway Grinder
1	Harig 618 Ballway Grinder
1	Okamoto 12" x 24" ST Grinder
1	Okamoto 6" x 18" DX Grinder digital readout & automatic X Y Z axis
500	Mounted Diamond Wheels with various radii : inside radii from .003" to .034" in increments of .001" other various inside radii up to .800" outside radii .800"
1	Diamond Wheel Radius Dresser capable of dressing diamond wheels from 1" dia to 7" dia in any grit or hardness

Jig Grinding

1	#3 Moore Jig Grinder
1	40,000 Moore Jig Grinding Head
1	55,000 Moore Jig Grinding Head
1	60,000 Moore Jig Grinding Head
1	175,000 Moore Jig Grinding Head

OD Grinding

1	Brown & Sharpe Universal OD Grinder #13 capacity: length 22" diameter 8"
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Centerless Grinding

1	DedTru C6 Centerless Grinding System capacity: length 6" diameter range .031" to 5.0"
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Sinker EDM

5	Hansvedt CS10 EDM with 3R Orbicut CNC
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EDM Hole Drilling

1	Current EDM Drill - ST300 .004" to .256" holes
1	SMS SD1M capable of popping .006" to .118" holes with pivoting head for holes up to 45 degrees

Milling

1	Sharp LMV Mill with programmable X & Y axis
2	Sharp LMV Mills

Inspection Equipment

8	14" L&J Comparators lens magnifications ranging from x20 to x100 4 of these are fitted with Accurite digital readouts
23	Mitutoyo Ceramic Gage Block sets
3	Starrett Croblox sets
1	Starrett Digi-Chek height gage
2	Mitutoyo Microscopes with .00005" digital readouts
3	Meyer Gage Pin sets .011" to .500"
3	Meyer Gage Pin sets .0115" to .5005"
3	Compact .500" to 1.00" bore gage
3	Compact .850" - 4.5" bore gage