

bunger & brown engineering, inc.

Special Machines • Injection Molding • CNC and Micro Machining

Equipment List

August 2021

Precision CNC Machining – Mills

Maximum part size 24"(X) x 34"(Y) x 10"(Z)

Enshu GE480H Horizontal Milling Center (2)
with Pallet Changer (1)
Fanuc RoboDrill, 5th Axis Capabilities
Hwacheon Vesta 1000 Vertical Machining Center
Mori Seiki Duracenter 5 (2)
Mori Seiki Duravertial 5100 (4)
Mori Seiki Frontier Mill
Mori Seiki MV45/40
Mori Seiki MV-40B
Additional Capabilities: 4th & 5th axis machining,
milling of 20" x 40" plate

Precision CNC Machining – Lathes

Maximum part size 3" dia x 14" long (Bar feed)

Maximum part size 18" dia (Chuck)

Miyano BNJ-51SY6 Automatic Lathe
Mori Seiki CL-25A Lathe w/bar feeder
Mori Seiki CL25B Lathe
Mori Seiki SL25 w/bar feeder
Mori Seiki SL-25Y w/bar feeder
Mori Seiki SL-25Y/500 w/bar feeder
Capabilities include Live Tooling and
Multi-Spindle/Multi-Turret Turning

High-Speed Micro Machining

Maximum part size 12"(X) x 12"(Y) x 2"(Z)

Creative Evolution HSD-500 Machining Center (5)
Strathclyde HS-500 Machining Center (3)
Defiance VTX-1 CNC Mill
Defiance HS-12 Machining Center (2)

Swiss Turning

Finished part size .010" - 0.75" dia.

Citizen A20 Type VI w/bar loader
Citizen A220 Type VII w/bar loader
Citizen Model C-16 Type VII w/bar loader
Citizen Model L16 Type VI w/bar loader
Citizen R07 Type VI w/bar loader
Star-16 Type VII w/bar loader
Citizen Model L12 w/bar loader (6)

Injection Molding

Shot size ranges: 3 to 245 grams

Sumitomo SE50DU, 50 tonne machine
Sumitomo SE100D, 100 tonne machine
Sumitomo SE180D, 180 tonne machine
Toyo Si-90V-F200HCU, 90 ton machine
Resins: ABS, Nylon, PBT, PC, HDPE, LDPE, PET, PP,
PPS, PSU, TPE PTFE, Glass Filled and Mineral Filled
Automation & Sprue Pickers
Secondary Operations: Assembly, Hot Staking, Machining

Manual Machining/Automation

Bridgeport Mill 48" Table with 2 Axis Readout
Clausing Kondia FV1-48VS08 Mill, Model FV300 (2)
Hardinge Precision Toolroom Lathe HLVH-1520
Hwacheon HL-380 High Precision Conventional Lathe 15"
Webb WL250 High Speed Lathe
Chevalier Model FSG618M Surface Grinder
Chevalier Precision Hand-Feed Surface Grinder
Miller MIG Welder
Syncrowave 350LX Welder w/fume extractor/positioner/chk
Thermal Dynamics Plasma Cutter

Quality Assurance

Hexagon Global S CMM, 27.5" x 39.3" x 25.9"
Brown & Sharpe Global Performance 5-7-6 CMM, 500/700/500
Starrett HDGC-2420-16 CMM, 20" x 24" x 16"
QVI Smartscope Flash 500, 500 x 450 x 200mm, 250x mag
ROI OMIS III 12 x 12, 12" x 12" Non Contact video, 400x mag
Starrett Sigma HB400 Optical Comparator
Mitutoyo QM-Height 350, 35mm Height Stand

Additional Support/Process Equipment Includes:

Ultrasonic Cleaners
Sand Blast Capabilities
Heat Cure Capabilities
Grinders/Sanders
Sunnens Horizontal Hone

CNC-207 (8.2021)

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