

Ultra Machine & Fabrication, Inc.

265 Kings Road
Post Office Box 335
Kings Mountain, NC 28086
Contact: Mr. Frank A. Stewart
704-730-8735
Web Site: www.umf1.com
No. Of Employees: 1-25

Specialty: Job Shop, Manufacture Precision Machined Parts, Laser Cutting, And Fabricated Parts.

CAD/CAM	(2) AutoCad, AP.100 2D CAD/CAM software
Drilling/Tapping	(7) Mazak, Fodol, Johnsford, 20" x 40" x 50"
Grinding	(1) Thompson Surface Grinder, 8" x 18" long
Honing	(1) Sunnen, 3" bore size
Laser	(2) Amada, Mitsubishi, 1/2" x 48" x 96"
Machining	(7) Mazak, Fodol, Johnsford, 20" x 40" x 50"
Milling	(3) Bridgeport
Press Bending	(1) Amada, 50-ton capacity
Quality Control	Brown & Sharpe CMM Full instrumentation
Sand Blasting	(1) Zero Inex, 20" x 30"
Sawing	(1) Machine
Stamping/Punching	(1) Strippit, 1/4" x 48" x 48"
Turning	(5) Mori Seiki, Hardinge, 12" O.D.
Welding	(4) Miller, processing steel, stainless steel and aluminum

Unity Machine & Tool

1522 Costner School Road
214 Dallas-Bessemer City Highway
Dallas, NC 28034
Contact: Mr. Bob Hedgpath
704-922-7472
No. Of Employees: 1-25

Specialty: Job Shop.

CAD/CAM	(1) AutoCad
Drilling/Tapping	(2) Drill Press, 36"
Grinding	(1) Jakobsen, Surface, 8" x 15", +/- .0002" tolerance (1) Cylindrical, 6" x 12", +/- .0001" tolerance
Machining	No specs
Milling	(3) Milling Machines, 12" x 36". +/- .0005" tolerance (3) Bridgeport (2) Jet, Alliant, 9" x 36", +/- .0005" tolerance (1) Index, 9" x 30", +/- .001" tolerance
Press Bending	(1) Amada, 50-ton capacity
Quality Control	Brown & Sharpe CMM Full instrumentation
Sand Blasting	(1) Zero Inex, 20" x 30" maximum part size
Sawing	(2) Verticle & Horizontal, 18" flat, 9" round
Stamping/Punching	(1) Strippit, 1/4" capacity
Turning	(1) Hardinge CNC, 20" x 30", +/- .0002" tolerance (1) Super Max Engine Lathe, 16" x 27", +/- .0005" tolerance (2) Warner & Swasey Turret Lathe #3 & #5, +/- .001" tolerance (5) Mori Seiki, Hardinge, 12" O.D.
Welding	(4) Miller, processing steel, stainless steel and aluminum

Universal Machine Company, Inc.

835 Dallas-Stanley Highway
Post Office Box 501
Dallas, NC 28034
Contact: Mr. Phil Digh or Mr. Steve Digh
704-922-7877
No. Of Employees: 1-25

Specialty: Custom Precision Machining, Turning And All Types Of Gear
Manufacturing. Normally Work To Class "A" Tolerances, .0005" to .002".
Formal QC Program

Brazing	(1) Acetylene Torch, processing all types of steel
Broaching	(1) Davis Keyseater #15 with taper, max. 1 1/2" key size, +/- .001" tolerance (1) Davis Keyseater #15, max. 1 1/2" key size, +/- .001" tolerance (1) Oil gear horizontal Pull broach, max. key size 1 1/2", +/- .001 tolerance. (1) Bridgeport shaping attachment for broaching blind holes
CNC Milling	(4) HAAS VF-3, 20" x 40" x 25", 4th axis with 10" rotary chuck, +/- .0005" tolerance
CNC Turning	(1) Femco, Durga 25E, 23 tool stations, 2" max. bar capacity, 8" chuck, 2" capacity, LNS quick load bar feed, 36" length capacity, +/- .0005" tolerance (1) Hyundai Hit-18S, 17" swing, 20" C to C, bar puller equipped, 2 3/4" spindle bore, +/- .005" tolerance (3) Mazak M4, 22" swing, 60" C to C, 2 3/4" spindle bore, +/- .0005" tolerance
Drilling/Tapping	(3) Bridgeport, 20" x 40" (1) Bridgeport, 20" x 40" with 7" riser (2) Drill Press
Gear Making	(4) Gleason #12, maximum 12" (20) Gear Hobs, gear shapers, 40" max. gear O.D., +/- .001" over pins
Grinding	(1) Cincinnati Cylindrical Grinder, 6" x 30" max capacity, +/- .0001" tolerance (1) Heald Blanchard Grinder, 10" capacity with angle adjustment (1) Landis Cylindrical Grinder, 10" x 72" max capacity, +/- .0001" tolerance (2) Heald #72A Internal Grinder, 15" max. O.D., 10" max. stroke, +/- .0001" tolerance (1) Norton Surface Grinder, 8" x 20", +/- .0002" tolerance
Honing	Same
Milling	(1) Westbury 18" Horizontal Milling Machine, 12" x 48" table, +/- .001" tolerance (1) K & T Vertical Milling Machine, 12" x 48" table, +/- .001" tolerance (1) Sundstrand Rigid Mill, +/- .0005" (1) High Speed Production Mill, 5" x 30" table, +/- .0005" tolerance

Universal Machine Company, Inc.

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Sawing	(1) DoAll 12-16 automatic band saw, 13" max. round, 18" flat (1) DoAll C-64 automatic band saw, 12" max. round, 16" flat (1) Everett sever saw
Turning	(1) Bullard Vertical Turret Lathe, max turn 39", +/- .0005" tolerance (1) Warner Swasey #4A Turret Lathe, +/- .0005" tolerance, 54" C to C, 5 1/4" spindle bore, 24" swing (2) J & L #7 Turret Lathe, 36" C to C, 3 1/2" spindle bore, 17" swing, +/- .0005" tolerance (2) J & L #5 Turret Lathe, 2 1/2" spindle bore, 15" swing, +/- .0005" tolerance (1) Tarnow Engine Lathe, 31" swing, C to C 13', +/- .0005" tolerance (1) Nardini Engine Lathe, 22" swing, C to C 7' (1) NoDo 24 Engine Lathe, 12" swing, C to C 24"

W. D. Lee Company, Inc.

212 Trakas Boulevard (28052)

Post Office Box 12157

Gastonia, NC 28052-0011

Contact: Mr. Dennis Lee

704-864-0346

FAX: 704-866-0722

Web Site: www.wdlee.com

No. Of Employees: 1-25

Specialty: Contract Machine Shop Offering Precision Machining, Turning, EDM And Gear Manufacturing, Engineering, Reverse Engineering, CAD/CAM, Digitizing And Inspection Services. Also Offers Turn Key Machines, Equipment, Tooling, Dies And Molds. Real Time Job Tracking In Place.

NAICS: 359903, 355202, 356601 and 508465

Formal QC Program

Assembly	No specs
Boring	36" Diameter Maximum
Broaching	(1) Davis, 1 1/2" key size, +/- .001" tolerance (1) Lapointe Production, 1" key size, 2" round, +/- .001" tolerance
CAD/CAM	SolidWorks CAD, Gibbs, PCFAPT Cut, Smart CAM
Drilling/Tapping	No specs
Engineering/Reverse Engineering	CMM, Faro Arm, PC DIMIS, Micro Measure, Avail
Gear Making	(1) Gould & Eberhardt 48H, 48" dia., +/- .005" tolerance (1) Nihon 1200, 42" dia., +/- .001" tolerance (2) DP2, 26" dia., +/- .001" tolerance (1) KashiFuji, 14" dia., +/- .001" tolerance

W. D. Lee Company, Inc.

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Gear Making (Continued)	(1) Fellows 36, 36" dia., +/- .001" tolerance (1) Fellows 18, 18" dia., +/- .001" tolerance (2) Fellows 6, 6" dia., +/- .001" tolerance (1) Fellows Rack, 3" x 24" x 240", +/- .002" tolerance
Grinding	(1) Cincinnati Cylindrical, 16" x 36", .0001" tolerance (1) Cincinnati Centerless, 8" dia., +/- .0001" tolerance (1) Boyar-Schultz Surface, 3" x 24" x 24", +/- .0002" tolerance
Honing	(2) Sunnen, 8" dia., .0001" tolerance (1) Portable, 16" dia., +/- .0001" tolerance
Machining	(1) Haas VF-10, 4-Axis with probe, 120" x 32" x 30", +/- .0005" tolerance (1) Haas VF-2, 4-Axis, 30" x 26" x 20", +/- .0005" tolerance (1) Mazak VQC30, 4-Axis, 56" x 20" x 18", +/- .001" tolerance (1) Mazak VQC20, 40" x 20" x 18", +/- .001" tolerance (1) Daewoo DMV-500, 40" x 20" x 20", +/- .0002" tolerance
Milling	(5) Bridgeport type, 18" x 48", .0005" tolerance (1) Kearney & Trecker Vertical, 20" x 36", +/- .002" tolerance (1) Cincinnati Horizontal, 12" x 36", +/- .002" tolerance
Sawing	(1) Do-All, 16", +/- 1/64" tolerance
Sandblasting	(1) Blast-It All, 20" x 20" x 20"
Screw Machine Work	2 3/4" diameter maximum
Thread Mill	(2) Brown & Sharpe, 8" x 36", +/- .001" tolerance
Tool/Die/Mold Making	No specs
Turning	(2) Mazak Power Master Chucker, 37" x 36", +/- .0002" tolerance (1) Daewoo 12 L-C, 22 1/2" x 60", +/- .0002" tolerance (1) Mazak M-4, 22" x 60", +/- .0002" tolerance (1) Mazak SQT-28M with live tooling, bar loader and parts catcher, 22" x 72", +/- .0002" tolerance (1) Mazak SQT-8M with live tooling, 19" x 27", +/- .0002" tolerance (1) Mazak QT-10, 16" x 27", +/- .0002" tolerance
Welding	Mig, tig, and acetylene
Wire EDM	(1) Fanuc WO 4-Axis, 13.8" x 7.9" x 6.5", +/- .0001" tolerance (1) Fanuc 1iA-S/AWF-16, 5-Axis, 20.5" x 14.6" x 16", +/- .0001" tolerance