



A Division of Griffiths Corporation

A Griffiths Company

10240 Industrial Drive
Charlotte, NC 28134-6517
Phone (704) 554 - 5657
Fax: (704) 554 - 1866

*“ Dedicated to the future with innovative
ideas for an innovative world ”*



SHORT RUN STAMPINGS
FMS LASER SYSTEMS

LONG RUN STAMPINGS
ROBOTIC WELDING

MECHANICAL ASSEMBLIES
AMADA VIPROS 357 TURRET

Visit our Website at www.dtek-net.com



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D-TEK, a privately held company, is a leader not only in precision fabrication, robotic welding, mechanical assemblies and laser cutting, but also in the stamping industry. D-TEK is a focus manufacturer that specializes in design assistance and the building of complete sub-assemblies and or finished assemblies--from simple parts to complex robotic weld fixtures and multiple-part weldments to final assemblies with value-added components.

D-TEK is currently registered to ISO-9001: 2000. This meets the requirements of the International Automotive Task Force (IATF) and QS-9000 the Automotive Industry Action Group (AIAG).

D-TEK Supplies A Diversity Of Parts To The Manufacturers Of:

- Major Lawn & Garden Tractors
- Off Road Recreational Vehicle (ATVs, Snowmobiles)
- Material Handling Equipment (Forklifts)
- Commercial Furniture
- Hardware
- Enclosures
- Numerous Other OEM's
- Class 8 Heavy Truck Industry

Skilled CAD/CAM programmers and toolmakers work directly from customer drawings to produce Quality Parts and Fabrications to commercially accepted tolerances. Even closer tolerances can be held, when needed. We pride ourselves in offering Solutions to our Customers from the Concept to the Completion of Each Part or Project.

D-TEK Mission Statement: "Delight all Customers"

Some of our capabilities include:

- Presses from 20 to 400 tons
- Robotic Welding Cells
- 250 Ton Hydraulic Presses
- EDM Center
- In House Tool Design
- CNC Machining Center
- Laser Machining Centers (FMS)
- CNC Turret Center
- Full Quality Control Department
- CAD/CAM Programming Systems
- EDI, CAD, SPC, JIT, KAN-BAN

All Secondary Operations: MIG/TIG, Spotwelding, PEM-Set, Riveting, Staking, Tapping, Painting, and Plating

Revised 5-1-2002



D – Tek is committed to achieving excellence and attaining partnership status with our customers. We at D-Tek are committed to exceeding their expectations.

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Quality – Zero defects is a goal we try to achieve. We will continue to improve our processes to add more mistake proof enhancements to our manufacturing methods. It is our objective to continuously train our personnel to produce quality parts. Ownership for the quality of the parts produced will start at the heart of the manufacturing process, the individual operators.

Delivery – 100% on time delivery of the quantities required by our customers is critical to our success. We are committed at D – Tek to exceeding our customer’s expectations by meeting their delivery requirements every time regardless of the circumstances. In order to accomplish this, we are taking steps to become more flexible in our manufacturing operations. These steps include establishing standards for dies, installing a quick change die system, reducing batch sizes, and in depth production planning based on the forecasts provided to us by our customers.

Cost Management – It is our objective to continually improve costs through control of our indirect and fixed costs. We will also be reviewing the manufacturing processes of every part to look for cost reduction opportunities.

Technical Support – It is our desire to participate early in the design process providing our customers with the benefit of our manufacturing experience.

Wavelength – We realize that communication, responsiveness, and customer support are essential parts of any achieving excellence program. The organizational structure being adopted is designed to promote these qualities. More importantly, our management philosophy will be to promote ownership for exceeding our customer’s expectations within each and every employee at D – Tek.



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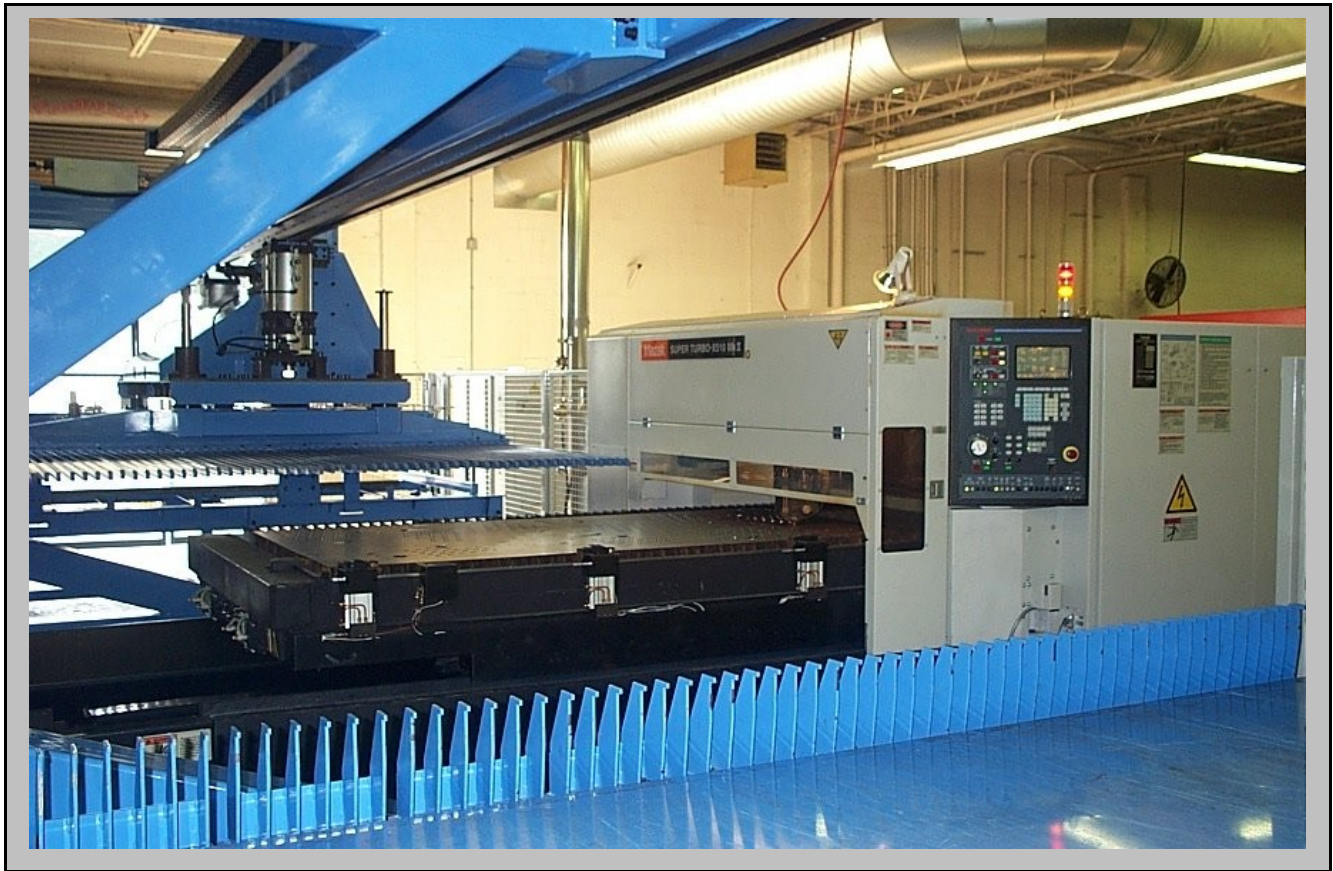
Equipment & Capabilities



DTEK's 2 FMS Laser systems include 6-shelf material towers, Mazak 2000 and Mazak 2500 watt super-charged lasers, rail mounted load/unload systems, and line controllers that coordinate all of the material handling equipment.

D - TEK's AMADA VIPROS 357 Queen turret press is ideal for low to medium quantity production runs without the cost and lead time associated with special tooling.





Our Mazak Super Turbo X510 MKII 4000 Watt Laser is capable of cutting up to 1" material.



Our new Hass VF-5B/XT40 5-axis CNC machining center has 60" x 26" x 25" travel and can be used for 2-D and 3-D machined parts and tooling.



Our new Cordax Sheffield RS-150 CMM has a 7' x 4' bed and a 36" measuring height for checking dimensional accuracy for both very small and very large parts to very close tolerances. It can also be programmed to quickly and accurately repeat part checking sequences automatically.

The ROBOFIL 510F EDM Machine provides quicker turnaround time for your die and other tool cutting needs



Our 3 Amada RG-100 Press Brakes provide computer-controlled slide travel, precision guides, and multi-station forming capability for precise dimensional control and efficient production.

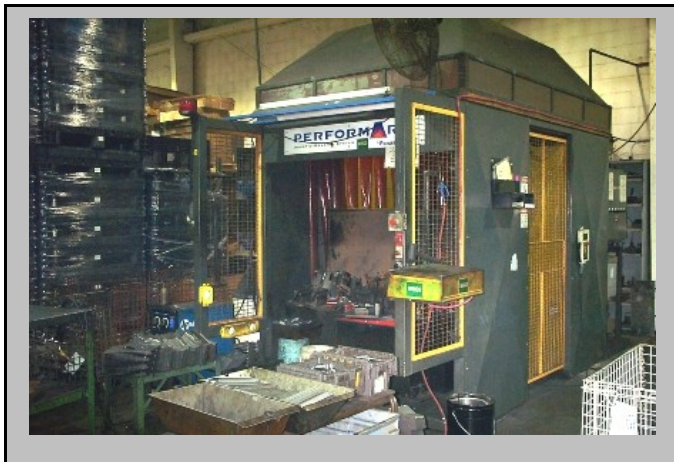
Our Accurpress "Advantage" Press Brakes provides computer-controlled slide travel, precision guides, and multi-station forming capability for precise dimensional control and efficient production.



Presses from 25 to 400 tons provide the capability to handle any size job. The larger presses are well-suited for high-tonnage blanking and deep drawing.



Our robotic welders result in greater economy on parts that require precise dimensional control.



FACILITY LIST

Dec 28, 2005

LASER AND SHEAR

2000 Watt Mazak Laser FMS System
2500 Watt Mazak Laser FMS System
4000 Watt Mazak Laser with 5000lb. skid loader

AccurShear Hydraulic Shear – 1/4” x 10’
AccurShear Hydraulic Shear – 3/8” x 10’

TURRET, BRAKE, AND OBI PRESSES

Amada Vipros 357 Queen Turret Punch Press
90 Ton Chicago Press Brake
3x 110 Ton Amada CNC Brake 10’
400 Ton Bliss Press W/Feed
300 Ton Bliss Presses W/Feeds
250 Ton Cincinnati Hydraulic Press
200 Ton Niagara Press

200 Ton Minister Press
2x 200 Ton Bliss Presses W/Feeds
110 Ton Bliss OBI Press
35 Ton OBI Minister Press
2x 25 Ton Press Rite OBI Presses
80 Ton Stamtec OBI Press

WELDING AND FABRICATION

Panasonic PerformARC 350 Robotic Welder
4x Miller MRV-6 Robotic Welders
Miller CP-200 W/S22A Welder
175 Ton Accurpress Press Brake
150 KVA 3-Phase Spotwelder
300 KVA Spotwelder

2x 100 KVA Spotwelder
6x Miller Shopmaster MIG Welders
CP 300 Miller MIG Welder
Miller Syncrowave 350 TIG Welder
Niagara Power Squaring Shear -- 1/4"
Roll Former

TOOLING AND MACHINING

Haas VF-5B/40XT 5-Axis Vertical Machining Center with
60"x26"x25" travels
Charmilles Robofil 510F High Speed Wire EDM
4x Alliance Milling Machines W/Digital Readout
2x Alliance Milling Machines W/Digital Readout and
Servo Feeds
Grob Band Saw
8x Clausing Drill Presses

Cincinnati Brickford Radial Drill
Johnson Horizontal Band Saw
20 Ton Hydraulic Press
3 Ton Hoist
1/3 HP Bench Grinder
1/3 HP Drill Grinder
14” Cut-Off Saw

FINISHING

Timesaver Vibratory Finisher W/Conveyor
2x Corn Cob Media Mixer
Roto Finish Vibrator

Timesaver Speedbelt Sander
2x Dual Barrel Finisher

QUALITY CONTROL

RS150 Cordax DCC CMM
DoAll Set Gauge Blocks
5x Height Gages
4x Surface Plates
0.011-1.00 Plug Gage Set

Set Go No-Go Tread Gages (Inches & Metric)
Gold Series Faro Arm # 1148
18” Mitutoyo Calipers # 1025
Set Gauge Blocks 31pcs. # 1096
Miscellaneous Micrometers, Vernier Calipers

D-TEK Quality

D-TEK QUALITY IS



LOOKING TO THE FUTURE

D -TEK has the capability of generating any documentation that is required by our customers from capability studies to full PPAP's using the Current Edition from the QS-9000:1998 Automotive Industry Action Group (AIAG) and ISO/TS-16949:2002 International Automotive Task Force (IATF).



RS150 DCC CMM



Gold Series Faro Arm



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ISO 9001:2000
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STANDARD TOLERANCES

<u>HOLE SIZE</u>	0.062 - 0.499 +/- .002 0.500 - 1.500 +/- .003 (OK TO 10 GA.) 1.501 - 2.000 +/- .005 LARGER HOLES 1/3 MAT. THICKNESS
<u>LOCATION</u>	+/- .005 HELD ON PUNCH SIDE ONLY
<u>CONCENTRICITY</u>	+/- .005 (NORMAL)
<u>BLANK SIZE</u>	+/- .005 (NORMAL)
<u>DRAWS</u>	+/- .010 (NORMAL)
<u>LINEAL</u>	+/- .005 (NORMAL)
<u>FORMED ANGLE</u>	+/- 1 DEGREE
<u>BLANK ANGLE</u>	+/- ½ DEGREE
<u>PERPENDICULAR</u>	+/- .016 PER DEGREE PER 1 INCH
<u>FLAT</u>	+/- .003 PER 1 INCH
<u>BREAK OUT</u>	30% LAND (OK) THE REST ABOUT 60% IS BREAK OUT. (ALUMINUM IS SLIGHTLY MORE)
<u>RADIUS</u>	
<u>PERIPHERY</u>	.010 - .015
<u>INSIDE</u>	.015 MINIMUM (SHOULD BE SAME AS MATERIAL THICKNESS)
<u>OUTSIDE</u>	NONE SHOULD ALWAYS REFERENCE INSIDE RADIUS
<u>EDGE</u>	STANDARD EDGE CONDITION 125 MICRO FINISH

6/14/99

