

Mail To Address:  
PO Box 1210  
Frankston, TX 75763

Physical Address:  
23628 CR 4117  
Frankston, TX 75763

Phone: (903)876-3679 | Fax: (903)876-5201 | Email: jhack@emergentmfg.com

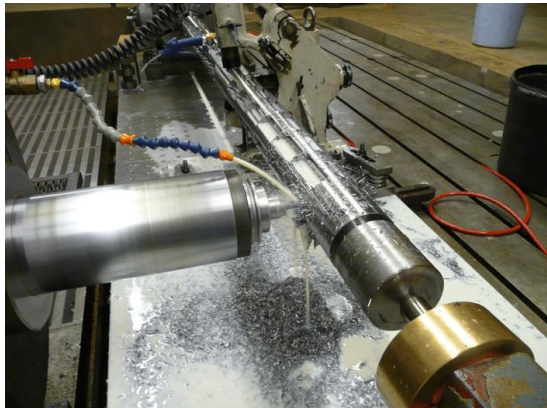
**Equipment List as of April 30, 2008**  
**Facility is 8,400 Square Feet Climate Controlled**

**HORIZONTAL MACHINING CENTERS**



**MORI-SEIKI SH 630 4<sup>th</sup> Axis HMC**  
**60 Tool ATC**  
Number of Pallets.....2  
Pallet Size:.....24.8" x 24.8"  
X-Axis Travel:.....33.1"  
Y-Axis Travel:.....29.9"  
Z-Axis Travel:.....33.1"  
B-Axis.....001 of 1 Degree  
Pallet Changing Time.....10 Sec.  
Table Indexing Time.....2.3 sec.  
Spindle Taper:.....CAT 50  
Spindle Speeds:.....60 - 10,000 RPM

**HORIZONTAL BORING MILLS**



**Equipped With:**  
**2007 Heidenhain TNC 320 CNC Control**  
4<sup>th</sup> Axis Capabilities  
With .00002 Glass Scale Resolution  
**Deep Hole Boring from .250 inch to 20 feet**  
Vertical Milling Head Attachment  
Right Angle Milling Head Attachment  
**28" Facing Head**  
**5 1/4" SCHARMANN CNC HORIZONTAL BORING MILL**  
**Model# WF132**  
Spindle Head Dia:.....5 1/4"  
Facing Head Dia:.....25"  
Horizontal Travel:.....300"  
Spindle Travel:.....37"  
Vertical Headstock Travel:.....76"  
Spindle Speed:.....0-700 RPM  
Spindle Taper:.....CAT 50  
Facing Head Travel:.....8"  
Lowest Point of Spindle Over Bed:.....12"  
Weight Capacity:.....40,000 LBS.

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**CNC Vertical Machining Centers**



**MORI SEIKI DV 5100**

X Travel:.....41.3"  
Y Travel:.....20.1"  
Z Travel:.....20.1"  
4th Axis | 1,417.3 I.P.M. RAPID | 1.2 SEC TOOL CHANGE  
10 – 10,000 RPM Spindle | 20 HP | 30 Station ATC |  
THROUGH SPINDLE COOLANT



**FADAL 40/20FX**

X Travel:.....40"  
Y Travel:.....20"  
Z Travel:.....28"  
  
4th Axis | Through Spindle Coolant  
25 - 10,000 RPM Spindle | 22 HP | 24 Station ATC  
2.4 SEC CHIP-TO-CHIP



**FADAL 40/20FX**

X Travel:.....40"  
Y Travel:.....20"  
Z Travel:.....28"  
**4th Axis**  
25 – 10,000 RPM Spindle | 22 HP | 20 Station ATC

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**CNC Turning Centers**



**MORI SEIKI NL2500SMC/700 6 AXIS DUAL SPINDLE**  
24 HP; 4,500 RPM SPINDLE; 6,000 RPM SUB SPINDLE;  
6,000 RPM LIVE TOOLING; PART TRANSFER;  
FULL CONTOURING C-AXIS BOTH SPINDLES;  
¼ SEC TOOL CHANGE; 1,181 I.P.M. FEED RATE  
X TRAVEL.....14"  
Z TRAVEL.....28.9"  
B TRAVEL.....31.3"



**MORI SEIKI SL204SMC 6 AXIS DUAL SPINDLE LATHE**  
15 HP; 4,000 RPM SPINDLE; 6,000 RPM SUB SPINDLE;  
4,500 RPM LIVE TOOLING; PART TRANSFER;  
FULL CONTOURING C-AXIS BOTH SPINDLES;  
¼ SEC TOOL CHANGE; 1,181 I.P.M. FEED RATE  
X TRAVEL.....9.3"  
Z TRAVEL.....22"  
B TRAVEL.....20.5"



**Haas SL-30/40 BT Big-Bore**  
Max Cutting Diameter:.....18"  
Z Travel:.....39.5"  
  
**15" Chuck with Live Tooling**  
39" Z Travel | 4 ½" Thru Spindle Bore  
Tailstock | 3" Auto Bar Feeder  
30/40 HP | 12 Station Tool Turret



**Haas SL-30L**  
Max Cutting Diameter:.....17"  
Z Travel:.....39.5"  
  
10" Chuck  
39" Z Travel | 3.0" Thru Spindle Bore  
30 HP | 12 Station Tool Turret | LIVE TOOLING

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### Manual Machines

Bridgeport Series 1 Manual Mill  
Standard Model Engine Lathe  
Standard Drill Presses  
10" X 18" Horizontal Band Saw  
Browne & Sharp 618 Micromaster Surface Grinder  
Lincoln 290AMP Welder

### Inspection Equipment & Process

(1) 24" X 36" Precision Granite Surface Plate  
(1) 18" X 24" Precision Granite Surface Plate  
(1) 6" X 6" Sine Plate  
(2) Mitutoyo 24" Height Gages  
Complete Set of OD Micrometers 1"-24" Mitutoyo/Starret  
Complete Set of ID Micrometers 1" – 12"  
(2) Complete Sets of Gage Blocks for Calibration  
(1) Complete Gage Pin Set .061 - .500  
(1) Heidenhain Touch Probe Coordinate Measuring System – 25' X 6.5' X 4' Range  
Documented Machine Maintenance Records  
Documented Equipment Calibration Records  
Documented In Process Inspection Process  
Final Audit Reports

**Quality System Based on AS9100 Aerospace Standard**

### CAD/CAM Software

MASTERCAM X2/X3  
SOLIDWORKS

### Local Outside Services

Plating & Coating  
Heat Treating  
Sandblasting & Painting  
Forging & Casting  
EDM Work



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## Who We Are

Emergent Manufacturing Systems was founded in February 2000 to offer emergency assistance to companies in dire need of getting their project done ASAP. While still holding true to this ideal, Emergent Manufacturing Systems has expanded its operations to offer high-speed precision CNC services to several industries.

## Quality is Our Promise at Emergent

Emergent Manufacturing Systems promises the best quality available to our customers – and we deliver it. Whether it is big or small, production or prototyping, we make you this promise – to exceed your expectations in product quality.

Each employee is hired knowing that ***“Customer Satisfaction through quality is Job #1”*** at Emergent Manufacturing Systems.

## Quality is Our Goal at Emergent

At Emergent MFG Systems, we enjoy having the peace of mind that comes with shipping our customers the parts they have ordered to the dimensions they require. With over 140 years of experience on our production floor that goes into each part machined, we begin with experience and end with experience. In addition to our shop floor experience, our quality supervisor, Ed Garner, has over 40 years of experience in machining and inspection. From first article inspections to final audits, Emergent MFG has the confidence to stand behind this promise – quality parts, on time and on demand.



Ed Garner, Quality Assurance