

EQUIPMENT LIST – HUMBLE, TEXAS LOCATION

CNC LATHES

**2014 DOOSAN PUMA 800XLM
HOLLOW SPINDLE LATHE**

- 44.8" swing over bed
- 39.37" swing over cross slide
- 12.6" diameter spindle bore
- 198.8" turning length
- 12 station all live tool turret
- Programmable tailstock
- 2 only ATS BP685-325 27" pneumatic chucks with auto re-charge
- 31" capacity steady rest

**2014 DOOSAN VTS1620 3 AXIS
VERTICAL TURNING AND MILLING
MACHINE**

- 63" chuck
- 78.75" turning diameter
- 63" cutting height
- 37.4" ram stroke
- 31.5" cross rail travel
- Table 250 RPM 60 HP
- Mill/drill spindle 3000 RPM 25 HP
- Renishaw RMP60 probe

VERTICAL MILLS

**2014 DOOSAN VM960L VERTICAL
MACHINING CENTER**

- 102 x 37.5" table
- Table load 9,920 lbs
- Travels: X 94.5"
- Y 37.8"
- Z 31.5"
- Spindle CAT50 Big Plus, 35 HP, 6000 RPM
- Renishaw RMP60 probe
- 17" diameter 4th axis rotary table
- Rotary Table Indexer
 - 21.65" diameter
 - 10.63" thru hole

**2014 VIPER KMC4127 BRIDGE TYPE MULTI AXIS
MACHINING CENTER**

- 157 x 82.6" table
- 90.55" between columns
- 37,400 lbs table load
- Travels:
 - X 161"
 - Y 106.4"
 - Z 43.3"
 - B +/- 220 degree X 5 degree
 - C +/- 360 degree X 5 degree
- Spindle CAT50 Big Plus, 50 HP, 6,000 RPM
- Renishaw RMP60 probe
- Five face multi place machining software

HORIZONTAL MILLS

**2014 DOOSAN HM1000
HORIZONTAL MACHINING CENTER
(TWO MACHINES)**

- 40" x 40" pallets
- Pallet load 6,600 lbs
- Travels:
 - X 82.77"
 - Y 49.2"
 - Z 49.2"
 - B full 4th axis 360,000 positions
- Spindle CAT 50 Big Plus, 35 HP,
- Renishaw RMP60 probe
- Rotary table indexer
 - 21.65" diameter
 - 10.63" thru hole

**2014 DOOSAN DBC130 HORIZONTAL BORING
AND MILLING MACHINE**

- 63" X 70" table
- Table load 33,000 lbs
- Travels:
 - X 118"
 - Y 78.7"
 - Z 63"
 - B full 4th axis 360,000 positions
- Spindle CAT 50 Big Plus, 40 HP, 2500 RPM

QC. MEASURING EQUIPMENT

SHEFFIELD RS220 – SHOP FLOOR CO-ORDINATE MEASURING MACHINE

- Basic Apollo frame : 1200 x 3000 x
- 1000 mm – (X)48” x (Y)120” x (Z)40”
- Renishaw PH10T Robotic head
- Renishaw TP6, 5 way touch probe
- PcDmis CAD 2014 software

BROWN AND SHARPE XCEL 9159 - CO-ORDINATE MEASURING MACHINE

- Maximum load 5000 lbs
- Xcel Frame: 900 x 1500 x 900 mm – -
(X)35” x (Y)59” x (Z)35”
- Renishaw PH10MQ Robotic head
- Renishaw TP6, 5 way touch probe
- PcDmis CAD 2014 software
- Maximus load 4000 lbs

MANUAL

2014 HAAS TL-3 CNC / MANUAL LATHE

- Axis 2 – axis (X & Z)
- Chuck 12” Dia
- Swing 20” Dia
- Center Distance 60”
- RPM 1800

2014 MANFORD TURRET MILLING

- Table size 12” x 50”
- Travels:
 - X 35”
 - Y 16”
 - Z 18”
- RPM 3500
- Spindle Taper 40