

## **ASTRO CRAFT, INC. EQUIPMENT LIST**

### **QUALITY CONTROL EQUIPMENT**

MITUTOYO Model 574 CMM work area 20 x 28 x 16 inch APEX (1)  
MITUTOYO Model B231 CMM work area 28 x 24 x 18 inch CMM Manager software (1)  
MITUTOYO Model PH350 14 inch Optical Comparator with GEO-CHECK 200 System (1)  
MAHR DIGIMAR CXI Height Gage with programmable SPC output (2)  
TRUMARK 5000 Laser Marking Workstation (1)  
Quality Control Equipment including Micrometers, Thread Micrometers, Dial Bore Gages, I.D. Micrometers, assorted Ring & Plug Thread Gages, Edmunds Air Gaging System, complete Gage Block and Gage Pin Sets

### **CNC TURNING CENTERS**

DAEWOO PUMA 2000SY (1)

- 8 inch swing
- C-axis mill/drill and y-axis ; sub spindle
- $\varnothing$ .312 to  $\varnothing$ 2.625 collet through feed
- LNS bar feed (48.00")
- Roto Rack

DAEWOO PUMA 240 MS (1)

- 8 inch swing
- C-axis mill/drill ; sub spindle
- $\varnothing$ .312 to  $\varnothing$ 1.625 collet through feed
- LNS bar feed (48.00")

TMC NAKAMORA-TOME (3)

- 7 inch swing
- $\varnothing$ 1.625" 16C collet through feed

SC-450 NAKAMORA (1)

- 18 inch swing
- 30 inch centers

DOOSAN LYNX 220L (1)

- 8 inch swing
- 20 inch centers
- $\varnothing$ 1.625" 16C collet through feed

DOOSAN LYNX 220C (1)

- 8 inch swing
- $\varnothing$ .312 to  $\varnothing$ 1.625 collet through feed
- LNS Bar feed (36" length)
- Roto Rack

HURCO TMC (1)

- 8 inch swing
- 18 inch centers
- $\varnothing$ 1.625"16C collet through feed

GANESH CYCLONE 32GTS, (1)

- Twin Integral Spindles Gang Machine
- $\varnothing$ 1.250through
- Edge Bar feed (48" length)
- Roto Rack

## **CNC MACHINING CENTERS**

- MATSUURA MC-510VF (2)
  - 20 ATC
  - XYZ travel: 20 x 14 x 18 inches
- MATSUURA MC-600V (1)
  - 20 ATC
  - XYZ travel: 23.5 x 16 x 18.5 inches
- MATSUURA MC-510V (1)
  - 20 ATC
  - XYZ travel: 20 x 14 x 18 inches
- MATSUURA RA-1G (1)
  - 30 ATC
  - Pallet Changer
  - XYZ travel: 20 x 16 x 18 inches
- MATSUURA RA-2G (1)
  - 30 ATC,
  - Pallet Changer
  - XYZ travel: 28 x 17 x 19 inches
- MATSUURA ES-450H (1)
  - 30 ATC
  - Pallet Changer
  - XYZ travel: 17 x 15 x 15 inches
- HURCO VMX 42 (1)
  - 20 ATC
  - XYZ travel: 42 x 24 x 24 inches
- HAAS VF2 YT (1)
  - REINISHAW PROBE
  - 40 ATC
  - XYZ travel: 30 x 20 x 20 inches
  - 5 AXIS CAPABILITIES
- HAAS VF2 YT (1)
  - 24 ATC
  - XYZ travel: 30 x 20 x 20
- HAAS VF2 YT (1)
  - REINISHAW PROBE
  - 30 ATC
  - XYZ travel: 30 x 16 x 20
- HAAS Super Mini Mill 2 (1)
  - 24 ATC
  - XYZ travel: 20 x 16 x 14
- HAAS Mini Mill 2 (1)
  - 10 ATC
  - XYZ travel: 16 x 12 x 10

## **MILLS**

- BRIDGEPORT Vertical Mills with PROTOTRAK Controls (3)
- WEBB Vertical Mill with TRAK 102 DRO (1)

## **LATHES**

- TRL-1840 with PROTOTRAK VL control (1)
  - Ø2.300 thru spindle
- TRL-1440 EX with EXL control (1)
  - Ø1.000" 5C collet through feed
- HARDINGE Turret Tool Room Lathe (1)
  - Ø1.000" 5C collet through feed

## **ROTARY ACCESSORIES FOR MACHINING CENTERS**

- HAAS TR 110 Programmable Indexing for 4/5<sup>th</sup> axis work (1)
- HAAS Programmable Indexing devices for 4<sup>th</sup> axis work (3)
- NIKKEN 150B 4<sup>th</sup> axis Rotary Table (1)

## **GRINDING / HONING**

- BOYER-SCHULTZ Surface Grinder (1)
  - 6 x 12 inch
- HARIG Auto Step Surface Grinder (1)
  - 6 x 12 inch
- SUNNEN 1600 Honer (1)

## **SHOP EQUIPMENT**

- HE&M Automatic Band Saw (1)
- STARLITE Band Saw (1)
- CLAUSING Drill Presses, 15 & 20 inch (2)
- Sand Blasting Machine (2)
- MILLER Dialarc HF TIG Welder (1)
- BULLWORKER Ram Type Benders (1)