



SATURN

TOOL & DIE (WINDSOR) INC.

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SATURN TOOL & DIE (WINDSOR) INC.

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EQUIPMENT LIST

CAD/CAM SYSTEM

5 - Computer Workstation

NOTE: - Software in use includes AUTOFORM, CATIA, UNIGRAPHICS/NX, POWERMILL, and SMIRT

CO-ORDINATE MEASURING MACHINE

1 - DEA BETA CMM 130" X 80" X 59" (direct computer controlled using PCDMIS software)

1 - DEA Model 3406 PJM CMM 128" X 38" X 24" (direct computer controlled using PCDMIS software).

1 - DEA GAMMA CMM Model 2203 59" X 40" X 40" (direct computer controlled using PCDMIS software).

MILLING MACHINES

1 - FPT Area 394"(10,000mm) x 137"(3,500mm) x 60"(1,500mm) horizontal floor type high speed milling machine-(equipped with Heidenhain TNC 530I controls)

1 - FPT Synthesis - M60 236" X 98" X 49" horizontal floor type high speed milling machine - (equipped with Fidia M30 CNC controls)

1 - Parpas ML100 236" X 98" X 39" horizontal floor type milling machine - (equipped with Fidia F1 CNC controls).

1 - FPT LEM 935 138" X 79" X 49" horizontal milling machine (equipped with Fidia F1 CNC controls).

1 - Parpas DGT-130 118" x 52" X 52" high speed digitizing milling machine - (equipped with Fidia CNC 11/80 controls - capable of high speed digitizing).

1 - Parpas BFC-100 80" x 40" X 42" tracing, milling machine- equipped with Heidenhain TNC 155 & Incon tracing system

1 - Parpas BF-C1 80" X 40" X 42" tracing milling machine (equipped with Fidia CNC 11/80 controls).

1 - Doosan DNM 500 40" x 21" x 20" Vertical Machining Center (equipped with Fanuc controls)

1 - Doosan DNM 750 64.2" x 30" x 25.6" Vertical Machining Center (equipped with Fanuc controls)

1 - OKK 60" X 32" X 32" tracing milling machine, (equipped with FANUC 330D and Heidenhain TNC 155 controls).

1 - Stanko #4 vertical milling machine.

1 - Tos #5 horizontal milling machine.

1 - Tos #5 vertical milling machine

1 - Hitachi Seiki #4 vertical milling machine

6 - First milling machines (12" x 42")

2 - Bridgeport milling machine (12" X 42").

RADIAL DRILLS

1 - Stanko radial drill 96" arm

1 - Caser radial drill 96" arm

2 - Tos radial drills 60" arm

1 - EMA radial drill 50" arm

1 - Archdale radial drill 80" arm

1 - Archdale radial drill 90" arm

1 - Tos radial drill 30" arm

2 - Kao Ming 30" arm