



Delta Technologies Group

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EQUIPMENT LIST (ENGLISH)

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(21) Milling Machines

(1) 7 axis (continuous) Milling Machines

Parpas LHS (BM9 Parpas1) – 7 axis horizontal machining center, Heidenhain iTNC530 control. X 255.906 inch, Y 78.740 inch, Z 49.213 inch, W 59.055 inch travel. 118.110 inch x 98.425 inch stationary table with unlimited load capacity. 78.740 inch x 62.992 inch traversing rotary table with 44,092 lb load capacity. 22,000 rpm orthogonal spindle, 5,000 rpm universal spindle, 5,000 rpm straight extension spindle. 60 automatic tool changer. SESCOI WorkNC, Lemoine RTM and Delcam Powermill CAM programming system.

(2) 5 axis (continuous) Milling Machines

DMG DMU70V (HS6 DMG1) – 5 axis vertical machining center. Heidenhain Millplus control. X 27.953 inch, Y 20.472 inch, Z 20.472 inch travel. 27.559 x 19.685 inch rotary tilting table with 771.61 lb load capacity. 12,000 rpm spindle. 24 automatic tool changer. Delcam Powermill CAM programming system.

Mecof Dynamill 3000L (HL3 Mecof3) – 5 axis vertical machining center. Fidia C20 control. X 157.480 inch, Y 118.110 inch, Z 59.055 inch travel. 196.850 x 137.795 inch table with unlimited load capacity. 4,000 rpm roughing spindle, 12,000 rpm finishing spindle. 24 automatic tool changer. Secoi WorkNC CAM programming system.

(3) 5 axis (3+2) Milling Machines

Mecof Agile CS 500 (HL1 Mecof1) – 5 axis horizontal machining center. Fidia M2 control. X 133.858 inch, Y 39.370 inch, Z 59.055 inch travel. 204.724 x 43.307 inch table with unlimited load capacity. 3,000 rpm roughing spindle, 21,000 rpm finishing spindle. 10 automatic tool changer. Secoi WorkNC CAM programming system.

Mecof Agile CS 500 (HL2 Mecof2) – 5 axis horizontal machining center. Fidia M2 control. X 133.858 inch, Y 39.370 inch, Z 59.055 inch travel. 204.724 x 43.307 inch table with unlimited load capacity. 3,000 rpm roughing spindle, 21,000 rpm finishing spindle. 10 automatic tool changer. Secoi WorkNC CAM programming system.

Tarus HS8412/48 (HL4 Tarus2) – 5 axis vertical machining center. Fidia C10 control. X 120 inch, Y 114 inch, Z 44 inch travel. 120 x 72 inch table with 50,000 lb load capacity. 10,000 rpm spindle. No tool changer. Delcam Powermill CAM programming system.

(2) 4 axis Milling Machines

Toshiba BTD 13F R-22 (BM6 Toshiba2) - 4 axis horizontal machining center, Tosnuc 888 control.

X 118.110 inch, Y 90.551 inch, Z 62.992 inch travel. 86.614 x 70.866 inch traversing rotary table with 22,046 lb load capacity. 2,500 rpm spindle. No tool changer. Lemoine RTM CAM programming system.

Toshiba BTD 13F R-22 (BM7 Toshiba3) - 4 axis horizontal machining center, Tosnuc 888 control. X 118.110 inch, Y 90.551 inch, Z 62.992 inch travel. 86.614 x 70.866 inch traversing rotary table with 22,046 lb load capacity. 2,500 rpm spindle. 38 automatic tool changer. Lemoine RTM CAM programming system.

(13) 3 axis Milling Machines

Depo MCFV 100 (HS1 Depo1) – 3 axis vertical machining center. Heidenhain TNC426B control. X 40.157 inch, Y 23.622 inch, Z 25 inch travel. 50 x 23.622 inch table with 1322.76 lb load capacity. 8,000 rpm spindle. 24 automatic tool changer. Secoi WorkNC CAM programming system.

Depo MCFV 100 (HS2 Depo2) – 3 axis vertical machining center. Heidenhain TNC426B control. X 40.157 inch, Y 23.622 inch, Z 25 inch travel. 50 x 23.622 inch table with 1322.76 lb load capacity. 8,000 rpm spindle. 48 automatic tool changer. Secoi WorkNC CAM programming system.

Depo MCFV 100 (HS3 Depo3) – 3 axis vertical machining center. Heidenhain TNC426B control. X 40.157 inch, Y 23.622 inch, Z 25 inch travel. 50 x 23.622 inch table with 1322.76 lb load capacity. 8,000 rpm spindle. 24 automatic tool changer. Secoi WorkNC CAM programming system.

Depo MCFV 100 (HS4 Depo4) – 3 axis vertical machining center. Heidenhain TNC426B control. X 40.157 inch, Y 23.622 inch, Z 25 inch travel. 50 x 23.622 inch table with 1322.76 lb load capacity. 8,000 rpm spindle. 24 automatic tool changer. Secoi WorkNC CAM programming system.

Depo MCFV 1680 NT (HS5 Depo5) – 3 axis vertical machining center. Heidenhain TNC426B control. X 64.960 inch, Y 31.890 inch, Z 31.890 inch travel. 70.866 x 30.709 inch table with 5,511.5 lb load capacity. 15,000 rpm spindle. 32 automatic tool changer. Secoi WorkNC CAM programming system.

Droop & Rein FS 1255 KC (RM4 Droop4) – 3 axis vertical machining center. Fidia M1.f control. X 94.488 inch, Y 49.213 inch, Z 39.370 inch travel. 116.142 x 49.213 inch table with 26,455.2 lb load capacity. 3,150 rpm spindle. No tool changer. Lemoine RTM CAM programming system.

Droop & Rein LFAS 2000 KC (RM7 Droop7) – 3 axis vertical machining center. Fidia M1 control. X 157.480 inch, Y 70.866 inch, Z 59.055 inch travel. 216.535 x 78.740 inch table with 33,069 lb load capacity. 2,000 rpm spindle. No tool changer. Lemoine RTM CAM programming system.

Fadal VMC 4020 (EM1 Fadal1) – 3 axis vertical machining center. Fadal CNC 32MP control. X 40 inch, Y 20 inch, Z 20 inch travel. 43.504 x 20 inch table with 1500 lb load capacity. 10,000 rpm spindle. 21 automatic tool changer. Delcam Powermill CAM programming system.

Fadal VMC 3016 (EM2 Fadal2) – 3 axis vertical machining center. Fadal CNC 32MP control. X 30 inch, Y 16 inch, Z 20 inch travel. 39 x 16 inch table with 2,736 lb load capacity. 10,000 rpm spindle. 21 automatic tool changer. Delcam Powermill CAM programming system.

HPM (MM1 HPM1) – 3 axis vertical machining center. Fidia M1.f control. X 120.748 inch, Y 82.874 inch, Z 29.528 inch travel. 144 x 64 inch table. 8,000 rpm spindle. No tool changer. Delcam Powermill CAM programming system.

HPM (MM2 HPM2) – 3 axis vertical machining center. Fidia M1.f control. X 122.874 inch, Y 82.874 inch, Z 45.504 inch mm travel. 144 x 80 inch table. 2,500 rpm spindle. No tool changer. Delcam Powermill CAM programming system.

Roeders RFM 600 (EM3 Roeders1) – 3 axis vertical machining center. Roeders RMS6 control. X 23.622 inch, Y 17.717 inch, Z 11.811 inch travel. 27.559 x 21.654 inch table with 1,764 lb load capacity. 42,000 rpm spindle. 18 automatic tool changer. Delcam Powermill CAM programming system.

Sigma SDV-3224 (PM1 Sigma1) – 3 axis vertical machining center. Fanuc Series 18i-MB control. X 125.984 inch, Y 94.488 inch, Z 29.921 inch travel. 118.110 x 86.614 inch table with 24,000 lb load capacity. 8,000 rpm spindle. 60 automatic tool changer. Lemoine RTM CAM programming system.

(2) Deep Hole Drilling Machines

Tarus TPTCGD5X8 (GD1 Tarus1) – 3 axis horizontal gun drill machining center. Tarus TPI-2000 control. X 106 inch, Y 60 inch, Z 30 inch travel. 96 x 60 inch table with 80,000 lb load capacity. 3,394 rpm deep drill spindle. 2,000 rpm auxiliary milling spindle. No tool changer. Lemoine RTM CAM programming system.

Tarus TPTCGD508S (GD2 Tarus2) – 3 axis horizontal gun drill machining center. Tarus TPI-2000 control. X 106 inch, Y 60 inch, Z 30 inch travel. 96 x 60 inch table with 80,000 lb load capacity. 3,394 rpm deep drill spindle. 2,000 rpm auxiliary milling spindle. No tool changer. Lemoine RTM CAM programming system.

(3) Electrical Discharge Machines

E.R.M. (EB4 ERM1) – Electrical discharge machine. X 41.25 inch, Y 17 inch, Z 14 inch travel. 40 x 21 inch table.

Tritan Dual 2000 (EB2 & 3, Tritan1R & Tritan1L) – Electrical discharge machine with dual heads. Salem Industries control. X 113.25 inch, Y 33.58 inch, Z 18 inch travel. 189 x 57 inch table.

Tritan Dual 2000 (EB5 & 6, Tritan2R & Tritan2L) – Electrical discharge machine with dual heads. Belmont control. X 142 inch, Y 47.65 inch, Z 23.62 inch travel. 238 x 70 inch table.

(4) Coordinate Measuring Machines

(2) Gantry CMMs

Tarus TPINTB2085 (CM9 Tarus1) – Gantry DCC CMM. Tarus EasyDMIS control. X 286 inch, Y 97 inch, Z 60 inch travel. 288 x 120 inch table with unlimited load capacity.

Tarus TPINTB2785 (CM11 Tarus2) – Gantry DCC CMM. Tarus EasyDMIS control. X 360 inch, Y 118 inch, Z 92 inch travel. 216 x 96 inch table with unlimited load capacity.

(2) Horizontal CMMs

Zett-Mess AMVFL (CM4 & 5, Zett-Mess1 & Zett-Mess2) – Dual arm horizontal CMM. PC-DMIS control. X 236.220 inch, Y 62.992 inch, Z 78.740 inch travel. 236.220 x 119.110 inch table with unlimited load capacity.

(4) Spotting Presses

Dake 18-389 (SP4 Dake1) – 150 ton spotting press. 72 x 48 inch table. 59 inch daylight.

USI Clearing PS4-300-156-100 (SP2 Clearing1) – 300 ton spotting press. 156 x 100 inch table. 98 inch daylight. Roll out bottom platen.

Wemhoener (SP3 Wemhoener1) – 220 ton spotting press. 98 x 61 inch table. 82 inch daylight.

Wheatley (SP1 Wheatley1) – 150 ton spotting press. 100 x 60 inch table. 75 inch daylight. Roll out bottom and swing out top platen.

(3) Plastic Injection Molding Machines

Krauss Maffei KM3200-14700A (KM 3500T N) – 3500 ton horizontal plastic injection molding machine. Krauss Maffei MC 3 control. 12.6 inch diameter tie bars with 78.74 x 66.93 inch distance between. 165.35 inch of daylight. 110.24 x 98.43 inch platen size.

Krauss Maffei KM3200-32000MC (KM 3500T S) – 3500 ton horizontal plastic injection molding machine. Krauss Maffei control. 13 inch diameter tie bars with 88.2 x 70.87 inch distance between. 165.35 inch of daylight. 127.56 x 110.24 inch platen size.

Krauss Maffei KM1300-14700MC (KM 1450T S) – 1450 ton horizontal plastic injection molding machine. Krauss Maffei control. 9.5 inch diameter tie bars with 59 x 49 inch distance between. 120 inch of daylight. 82.25 x 77.16 inch platen size.

(7) Overhead Cranes

C.R.B. 20 / 20 short ton bridge crane

Demag 40 short ton bridge crane

Demag 40 short ton bridge crane

Demag 20 / 40 short ton bridge crane

Michigan 20 short ton bridge crane

Demag 10 / 20 short ton bridge crane

Demag 10 / 20 short ton bridge crane

(129) CAD/CAM/Viewing/Inspection Software Licenses

(6) Data Administration

(1) Siemens	I-DEAS
(1) Siemens	Unigraphics
(1) Autodesk	Inventor
(1) PTC	Pro/E
(1) Dassault	CATIA V4
(1) Dassault	CATIA V5

(42) Design

(19) Siemens	I-DEAS
(20) Siemens	Unigraphics
(2) Dassault	CATIA V4
(1) Cimatron	Cimatron-E

(24) Manufacturing

(8) SESCOI	WorkNC
(7) Delcam	Powermill

(9) Lemoine RTM

(53) CAD Viewing

(7) Siemens VisMockup
(44) Actify Spinfire Pro
(2) Actify Publisher

(4) Inspection

(2) B & S PC-DMIS
(2) Tarus EasyDMIS

Supported Neutral CAD File Formats

STEP
IGES
PARASOLID
JT