



Delta Technologies Group

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EQUIPMENT LIST (ENGLISH)

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(23) Milling Machines

(1) 7 axis Milling Machines

Parpas LHS (Parpas 1) – 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. Lemoine RTM and Delcam Powermill CAM programming system.

(2) 5 axis (continuous) Milling Machines

DMG DMU70V (DMG 1) – 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 (Dynamill 1) – 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 (CS500 1) – 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 (CS500 2) – 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 (Tarus 2) – 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 (Toshiba 2) - 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 (Toshiba 3) - 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.

(15) 3 axis Milling Machines

Depo MCFV 100 (Depo 1) – 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 (Depo 2) – 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 (Depo 3) – 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 (Depo 4) – 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 (Depo 5) – 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 FSM 1406 KC (Droop 2) – 3 axis vertical machining center. Fidia M10.f control. X 110.236 inch, Y 55.118 inch, Z 49.213 inch travel. 118.110 x 55.118 inch table with 22,046 lb load capacity. 3,150 rpm spindle. No tool changer. Lemoine RTM CAM programming system.

Droop & Rein FS 1255 KC (Droop 4) – 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 (Droop 7) – 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 (Fadal 1) – 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 (Fadal 2) – 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.

Fadal VMC 8030 (Fadal 3) – 3 axis vertical machining center. Fadal CNC32 MP control. X 203280 inch, Y 30 inch, Z 30 inch travel. 82.5 x 30 inch table with 3,750 lb load capacity. 10,000 rpm spindle. 21 automatic tool changer. Delcam Powermill CAM programming system.

HPM (HPM 1) – 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 (HPM 2) – 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 (Roeders 1) – 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 (Sigma 1) – 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 (Tarus 1) – 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 (Tarus 2) – 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. (EDM 4) – Electrical discharge machine.
X 41.25 inch, Y 17 inch, Z 14 inch travel. 40 x 21 inch table.

Tritan Dual 2000 (EDM 2 & 3, Small Gantry) – 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 (EDM 5 & 6, Large Gantry) – 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 (CMM 9) – 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 (CMM 11) – 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 (CMM 5 & 6) – 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 (Spotting Press 4) – 150 ton spotting press. 72 x 48 inch table. 59 inch daylight.

USI Clearing PS4-300-156-100 (Spotting Press 3) – 300 ton spotting press. 156 x 100 inch table. 98 inch daylight. Roll out bottom platen.

Wemhoener (Spotting Press 2) – 220 ton spotting press. 98 x 61 inch table. 82 inch daylight.

Wheatley (Spotting Press 1) – 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