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ADVANTAGE 600 CONTROLLER COMPONENT PARTS LIST

Revised September 15, 1998

Delta Tau's truly open architecture machine tool controller system, the Advantage 600 Controller, is now being offered to our customers so they can purchase each component of our controller system separately. This building block approach affords the integrator or customer the maximum flexibility in developing their own Advantage 600 controller system. The items listed below come from the Advantage 600 Controller System, which can be purchased as an entire unit.

MAJOR COMPONENT ITEMS

Note: Advantage 600 Operator Control Panel comes with one (1 ea.) JTHW cable, but **DOES NOT** include a +24 VDC power supply, **this must be provided separately for proper operation!**

1	**Advantage 600 Operator Control Panel**	**300-602834-10x**
	(Drives All I/O Listed Below, & 24 in/24 out of Opto-22 I/O) Specially designed **NC operator control panel and supporting logic board** with Manual Pulse Generator with encoder channel built on board. Rotary select switches for Feedrate Override, Spindle Override, Axis Select, Mode Select. Toggle Switches for Coolant On /Off, Optional Stop, Block Delete, Speed Multiply, & Single Block. Pushbuttons include Cycle Start, Feed Hold, Jog + / -, Spindle CW / CCW, Machine On / Off. NEMA rated Mushroom Head, Twist & Release Emergency Stop Pushbutton also included ACC 35A Thumbwheel Differential Line Driver circuit built on board, JTHW (Thumbwheel Port) cable provided. NC Control Panel requires a separate +24VDC power supply for operation.	
2	**Advantage 600 Operator Control Panel With Analog Input Option**	**301-602834-OPT**
	(Drives All I/O Listed Below, & 16 in / 24 out of Opto-22 style I/O, and 8 analog [8 bit] inputs) Specially designed **NC operator control panel and supporting logic board** with Manual Pulse Generator with encoder channel built on board. Rotary select switches for Feedrate Override, Spindle Override, Axis Select & Mode Select. Toggle switches for Coolant On /Off, Option Stop, Block Delete, Speed Multiply, & Single Block. Pushbuttons include Cycle Start, Feed Hold, Jog + / -, Spindle CW/CCW, Machine On/Off. NEMA rated Mushroom Head, Twist & Release Emergency Stop Pushbutton also included. ACC 35A Thumbwheel Differential Line Driver circuit built on board, JTHW (Thumbwheel Port) cable provided. NC Control Panel requires a separate +24VDC power supply for operation.	
3	**Advantage 600 Operator Control Switch Panel (No Logic Board)**	**300-602839-10x**

	Specially designed NC operator control panel with the following features standard: Manual Pulse Generator, rotary select switches for Feedrate Override, Spindle Override, Axis Select & Mode Select. Toggle switches for Coolant On/Off, Option Stop, Block Delete, Speed Multiply & Single Block. Pushbuttons include Cycle Start, Feed Hold, Jog + / -, Spindle CW/CCW. NEMA rated Mushroom Head, Twist & Release Emergency Stop Pushbutton. Wiring terminates to a DB37 male connector for switches & pushbuttons, and an 8 pin Phoenix screw connector for the Manual Pulse Generator.	
4	**Advantage 600 Controller Logic Board Standard**	**300-602784-10x**
	Logic controller board with the following dedicated funcions standard: 56 Inputs / 28 Outputs of Opto-22 style I/O. There are eight (8) dedicated input and three (3) dedicated output bits for Manual Pulse Generator.	
5	**Advantage 600 Controller Analog Input Option Upgrade**	**301-602784-OPT**
	8 analog inputs (8 bit resolution) for Advantage 600 Controller Logic Board.	
6	**PC-Pack**	**Call Factory**
	Specially designed PC case for mounting in industrial enclosures. Standard features include a Pentium 233 based "ATX" form factor motherboard, 32 Meg RAM, 3.5" FDD, 3.2 Gigabyte Hard Drive, 2 Meg PCI Video card, 32x CD-Rom, PS2 keyboard adaptor, & Windows '95 and/or Windows NT 4.0 operating system loaded on computer.	
7	**Desktop PC Computer**	**3B3-000CNC-OPT**
	Pentium 233 ISA/PCI motherboard, 32 Meg Ram, 3.2 Gigabyte Hard Drive, 32x CD-ROM, 1.44 Meg FDD, (standard computer used in the Advantage 600 controller system).	
8	**60° Keyboard Assembly For Left Hand Control Panel**	**30L-602835-10x**
	Includes keyboard, keyboard cover, keyboard mounting brackets, & left hand cable hole.	
9	**17° Keyboard Assembly For Left Hand Control Panel**	**30L-602836-10x**
	Includes keyboard, keyboard cover, keyboard mounting brackets, & left hand cable hole.	
10	**60° Keyboard Assembly For Right Hand Control Panel**	**30R-602835-10x**
	Includes keyboard, keyboard cover, keyboard mounting brackets, & right hand cable hole.	
11	**17° Keyboard Assembly For Right Hand Control Panel**	**30R-602836-10x**
	Includes keyboard, keyboard cover, keyboard mounting brackets, & right hand cable hole.	

12	**PC Monitor Assembly For Right Control Panel**	**30R-602832-10x**
	Includes 15” SVGA monitor, mounting brackets, and Plexiglass cover (doesn't include OCP).	
13	**PC Monitor Assembly For Left Control Panel**	**30L-602832-10x**
	Includes 15” SVGA monitor, mounting brackets, and Plexiglass cover (doesn't include OCP).	
14	**PC Monitor Assembly For Right Control Panel without SVGA Monitor**	**30R-602859-10x**
	Includes enclosure housing and mounting brackets for 15" PC monitor.	
15	**PC Monitor Assembly For Left Control Panel without SVGA Monitor**	**30L-602859-10x**
	Includes enclosure housing and mounting brackets for 15" PC monitor.	
16	**User Customizable Panel (Standard)**	**300-602843-10x**
	Ruggedized enclosure specifically designed for user I/O panel for the Advantage 600. User provides all switches, indicators, and analog potentiometers for creating your own specialized operator control panel.	
17	**PC Monitor Front Cover, Tempered Glass**	**2TG-602844-55x**
18	***ACC-NC1 - Remote Handwheel**	**3C2-000CNC-OPT**
	Includes Manual Pulse Generator, Speed / Multiply & Axis Select rotary switch, Local / Remote operation toggle switch, and a NEMA rated Mushroom Head Twist & Release Emergency Stop Pushbutton. Connects directly to the Advantage 600 logic board.	
19	***Power Supply, +24VDC, 1.5 Amps**	**100-0NFN40-SPS**
	***=Not subject to discount.**	

line

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