
Hardware Compatibility Matrix for ServoCam® Software

The hardware platform that is supported by the ServoCam® software is detailed here.

(see next page)

Part Cycle Compatibility Matrix as of Version 5.10a

A part cycle from this Designer Version can be run on this Controller Version												
	1.40c	1.40d	1.40e	2.10d	3.00d	3.01a	3.01b	3.01f	3.20d	3.20f	3.20h	4.80 (any)	5.10 (any)
1.40c, 1.40d, 1.40e	√	*	*	*	*	*	*	*	*	*	*	*+	
2.10d		√	√	√	√	√	√	√	√	√	√	√	+
3.00d				√	√	√	√	√	√	√	√	√	+
3.01a, 3.01b, 3.01f				√	√	√	√	√	√	√	√	√	+
3.20d, 3.20f, 3.20h									√	√	√	√	
4.80(any)											√	√	
5.10(any)												√	

- * The calculation of a Clear/Index operation was changed after version 1.40. This results in a slightly different duration (period) for the *Clear/Index* operation and may cause a part cycle that was *Valid* in version 1.40 to be *Invalid* in later versions. This can easily be corrected using the procedure below.
- + For 2U non-UltraTurn systems (only), the total travel was reduced slightly to allow Actuator Offset adjustment. Most of these part cycles will either work without change or will require a slight change to tool lengths or to the “Distance from Spindle Face to Work Piece Reference” value in the Setup form. Those part cycles that require more than 6.877 inches (174.69 mm) of travel cannot be run under version 5.10 or later.

(see next page)

AutoTripper™ Firmware Compatibility Matrix

A ServoCam® system running this Controller Version can run with this AutoTripper™ Firmware Version		
	T.002	T.003	T.004
2.10d	√	√	√
3.00d	√	√	√
3.01a		√	√
3.01b and later			√

Converting Valid Part Cycles from v1.40 and below to run on Controllers of v2.10 and above (without altering the overall timing).

1. Open the part cycle in the *old* Designer software (version 1.40e or below), and verify that it is *Valid*.
2. Print the **ServoCam® Layout Sheet**.
3. Close the *old* Designer software.
4. Open the part cycle in the *new* Designer software (version 2.10 or above).
 - If it is still *Valid*, you do not need to do anything more.
 - If it is not *Valid*, proceed to the next step.
5. Click the **Lead Cam** button to view the *Lead Cam* window and the *Operations List*.
6. Compare the “Period (secs)” column of the *new* Designer software with the “Duration (secs)” column on the **Layout Sheet** of the *old* Designer software. This value will probably be different for the *Clear/Index* operations.
7. For each *Clear/Index* operation where the values differ, reduce the “Minimum Clear Period” value until the “Period (secs)” value is the same in the *new* Designer software as on the *old Layout Sheet*.
8. When all *Clear/Index* operations have been corrected, the part cycle should be *Valid*. Save the part cycle.
9. If it is not *Valid* after the previous step, modify the “Minimum Clear Period” value of one or more of the *Clear/Index* operations until the “Desired Camshaft Cycle Period” value is equal to the “Computed Camshaft Cycle Period” value. If it is *Valid*, save the part cycle.

10. If it is not *Valid* after the previous step, please call Technical Support at AMT Machine Systems (614-451-3366).

Minimum System Requirements:

Turret Controller Version	Flash Memory (MB)	RAM Memory	Speed (MHz)	Other Requirements
1.40c	0.5 or more		75/25 or 66/33	
1.40d	0.5 or more		75/25 or 66/33	
1.40e	0.5 or more		75/25 or 66/33	
2.10c	2.0 or more		75/25 or 66/33	
2.10d	2.0 or more		75/25 or 66/33	
3.00d	2.0 or more		66/33 only	
3.01a	2.0 or more		66/33 only	
3.01b	2.0 or more		66/33 only	
3.01f	2.0 or more		66/33 only	
4.80k	4.0 or more			2 cross slide controls 1 spindle control

Downgrade Path: (If a version needs to be put back)

This Controller Version can be downgraded to this Controller Version							
	1.40c	1.40d	1.40e	2.10d	3.00d	3.01a	3.01b	3.01f
1.40c	√							
1.40d	√	√						
1.40e			√					
2.10d			√	√				
3.00d			√	√	√			
3.01a			√	√	√	√		
3.01b			√	√	√	√	√	
3.01f			√	√	√	√	√	√
4.80k								

Machine Compatability: (missing combinations are not yet supported)

Base & Cabinet	Spindle	Slides	Transmission Speeds	Turret Holes	Voltages	Software Version 3.01f	Ultraturn
2G	-	-	-	6	115	Turret	
2A	-	-	-	6	115	Turret	
2A	-	-	-	8	115	Not Yet Supported	
00	-	-	-	6	115	Turret, Auto Trippers	
00	-	-	-	8	115	Not Yet Supported	
2U / 3U	-	-	-	6, 8	115	Turret, AutoTrippers	
2B Dynapact	-	-	-	6, 8	115	Turret, AutoTrippers	
2B non Dynapact	-	-	-	6, 8	(Any)	Not Yet Supported	Not Yet Supported
2B Dynapact	3/4"	RAM	1	6, 8	208, 240		Not Yet Supported
2B Dynapact	3/4"	RAM	2	6, 8	208, 240		4.80k
2B Dynapact	3/4"	RAM	4	6,8	208, 240		Not Yet Supported
2U	3/4"	CNC	1	6, 8	208, 240		Not Yet Supported
2U	3/4"	CNC	2	6, 8	208, 240		Not Yet Supported
2U	3/4"	CNC	4	6, 8	208, 240		Not Yet Supported
2U	3/4"	RAM	1	6, 8	208, 240		Not Yet Supported
2U	3/4"	RAM	2	6, 8	208, 240		5.10c
2U	3/4"	RAM	4	6, 8	208, 240		4.80k
2U	3/4"	Regular	1	6, 8	208, 240		Not Yet Supported

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2U	¾"	Regular	2	6, 8	208, 240		5.10c
2U	¾"	Regular	4	6, 8	208, 240		4.80k
2U	1 ¼"	CNC	1	6, 8	208, 240		Not Yet Supported
2U	1 ¼"	CNC	2	6, 8	208, 240		Not Yet Supported
2U	1 ¼"	CNC	4	6, 8	208, 240		4.80k
2U	1 ¼"	RAM	1	6, 8	208, 240		Not Yet Supported
2U	1 ¼"	RAM	2	6, 8	208, 240		4.80k
2U	1 ¼"	RAM	4	6, 8	208, 240		4.80k
2U	1 ¼"	Regular	1	6, 8	208, 240		Not Yet Supported
2U	1 ¼"	Regular	2	6, 8	208, 240		4.80k
2U	1 ¼"	Regular	4	6, 8	208, 240		4.80k
2U	1 5/8"	CNC	1	6, 8	208, 240		Not Yet Supported
2U	1 5/8"	CNC	2	6, 8	208, 240		4.80k
2U	1 5/8"	CNC	4	6, 8	208, 240		4.80k
2U	1 5/8"	RAM	1	6, 8	208, 240		Not Yet Supported
2U	1 5/8"	RAM	1	8 servo	480		5.20
2U	1 5/8"	RAM	2	6, 8	208, 240		4.80k
2U	1 5/8"	RAM	4	6, 8	208, 240		4.80k
2U	1 5/8"	Regular	1	6, 8	208, 240		Not Yet Supported
2U	1 5/8"	Regular	2	6, 8	208, 240		4.80k
2U	1 5/8"	Regular	4	6, 8	208, 240		4.80k
3U	2 3/8"	CNC	1	6, 8	208, 240		Not Yet Supported
3U	2 3/8"	CNC	2	6, 8	208, 240		Not Yet Supported
3U	2 3/8"	CNC	4	6, 8	208, 240		4.80k
3U	2 3/8"	RAM	1	6, 8	208, 240		Not Yet Supported
3U	2 3/8"	RAM	2	6, 8	208, 240		4.80k

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3U	2 3/8"	RAM	4	6, 8	208, 240		4.80k
<i>3U</i>	<i>2 3/8"</i>	<i>Regular</i>	<i>1</i>	<i>6, 8</i>	<i>208, 240</i>		<i>Not Yet Supported</i>
3U	2 3/8"	Regular	2	6, 8	208, 240		4.80k
3U	2 3/8"	Regular	4	6, 8	208, 240		4.80k