API Commands:

1. Abort:

Stop the execution of a job; reset the job status to Idle.

1. AddObjectMarkingPass:

Add a MarkingPass to a marking object contained in the ActiveJob with the specified vector list. Usually a MarkingPass represents a Profile.

1. ClearCommandCache:

Provides a way to clear all list operations that have already been cached in the command FIFO, while the LEC is actively waiting for a SttartMark signal.

1. ClearJobList:

Removes all loaded jobs from memory.

1. ClearMOTFEncoderCount:

Clears the MOTF encoder counter to zero.

1. CloseCOMPort:

Closes the COM port opened with the OpenCOMPort command.

1. COMWriteChar:

Write a single character to the COM port opened with the OpenCOMPort command.

1. COMWriteLine:

Writes a string of characters to the COM port opened with the OpenCOMPort command.

1. ConnectNetworkShare:

Makes a connection to a network resource.

1. DeleteObjectMarkingPass:

Remove an existing MarkingPass from a marking object contained in the ActiveJob referencing the specified vector list.

1. Echo:

Echo a string.

1. EnableBroadcasting:

Enables or disables the broadcast of messages by the Host.

1. EnableObject:

Enable/disable execution of the specified object.

1. ExecuteJobContinuous:

Starts the execution of the Active job and will execute the job in an infinite loop.

1. ExecuteJobOnce:

Starts the execution of the ActiveJob, and runs it once without repeat.

1. ExecuteList:

Start executing the List Commands in the specified buffer.

1. GetActiveJob:

Gets the name and index value of the currently ActiveJob.

1. GetActiveLaser:

Gets the name of the currently active laser driver file.

1. Get ActiveLens:

Gets the name of the currently active lens correction table.

1. GetAdminPIN:

Gets the current Administration PIN.

1. GetAllIOWords:

Gets the state of all the digital inputs and outputs as two WORDS.

1. GetAvailableDiskSpace:

Gets the amount of free Flash and USB space.

1. GetAvailableRAM:

Gets the amount of available RAM from the Windows CE operating system.

1. GetCOMPortAssignments:

Gets the COM port to be used for the available interfaces.

1. GetCOMPortSpeed:

Gets the baud rates of the interfaces that use the COM ports.

1. GetDHCPMode:

Gets the current DHCP mode.

1. GetExternalStartMode:

Gets the current ExternalStart mode of the Active Job.

1. GetFlashJobFileList:

Gets a comma-delimited list of all jobs stored in Flash memory.

1. GetFontFileList:

Gets a comma-delimited list of all font files stored in Flash memory.

1. GetHostControlStatus:

Indicates whether the Client currently has exclusive control of the LEC.

1. GetHostInControl:

Gets the current host interface that has exclusive control of the LEC.

1. GetJobExecutionStatus:

Gets the command execution status of the FIFO.

1. GetJobStatus:

Gets the command loading status of the job engine.

1. GetKFactor:

Gets the calibration factor of the lens configuration.

1. GetLaserFileList:

Gets a comma-delimited list of all laser driver files, and their display names, stored in Flash memory.

1. GetLaserError:

Gets the formatted last error string from the server.

1. GetLastInterlockWord:

Gets a WORD that represents the interlocks input values that triggered an interlock state.

1. GetLensFileList:

Gets a comma-delimited list of all lens files, and their display names, stored in Flash memory.

1. GetLocalGateway:

Gets the default local Gateway address for the LEC.

1. GetLocalIP:

Gets the local IP address for the LEC.

1. GetLocalTime:

Gets the current local time and date.

1. GetMemBuffer:

Gets the internal memory buffer at the specified index.

1. GetMOTFEncoderCount:

Gets the current value of the MOTF encoder counter.

1. GetMotionCalFactors:

Gets the x-axis calibration factors for the specified motion device.

1. GetMotionDeviceNames:

Gets a comma-delimited list of the motion devices contained in the currently loaded motion configuration file.

1. GetMotionErrorCodes:

Gets the x-axis error codes for the specified motion device.

1. GetMotionFileList:

Gets a comma-delimited list of all motion configuration files, and their display names, stored in Flash memory.

1. GetMotionHomedOnceFlags:

Gets the x-axis flags for the specified motion device that indicate the axis has been homed at least once since it was powered up.

1. GetMotionStatus:

Gets the x-axis and y-axis status for the specified motion device.

1. GetNetworkJobFileList:

Gets a comma-delimited list of all jobs stored in a network storage location.

1. GetNodeFriendlyName:

Gets the local IP address for the LEC.

1. GetObjectCenter:

Gets the geometric center of the specified object in field units.

1. GetObjectCount:

Gets the number of objects in the ActiveJob.

1. GetObjectMarkMode:
2. GetObjectName:
3. GetObjectNumMarkingPasses:

Gets the current number of MarkingPasses for the specified object and the specified vector list.

1. GetObjectNumPasses:

Gets the current number fo passes for the specified object.

1. GetObejctPassRepetitions:

Get the number of repetitions currently set for the specified MarkingPass.

1. GetObjectProfile:
2. GetObjectString:

Gets the string value of the specified text object.

1. GetObjectType:
2. GetObjectRect:
3. GetObjectUserData:
4. GetProfileFileList:
5. GetRemoteIP:
6. GetSubnetMask:
7. GetUSBJobFileList:
8. GetUserInWord:

Gets the current User In input port as a 20 bit WORD.

1. GetUserOutInitWord:
2. GetUserOutPreferences:
3. GetUserPIN:
4. GetVersions:
5. GoToXYZ:
6. GoToZ:
7. HardwareReset:
8. LoadFlashJob:
9. LoadHardwareDefaults:
10. LoadLaserFile:
11. LoadLensFile:
12. LoadMotionFile:
13. LoadNetworkJob:
14. LoadUSBJob:
15. MakeJobActive:
16. OpenCOMPort:
17. PulseUserOutBit:
18. ReleaseHostControl:
19. OpenCOMPort:
20. PulseUserOutBit: Set the specified User Out output for the specified duration.
21. ReleaseHostControl:
22. RemoveJob: Deletes the ActiveJob from memory.
23. ResetObject:
24. ResetPerformanceGlobals:
25. ResetUserTransform:
26. SampleMOTFEncoderCount:
27. SaveFlashJob:
28. SaveNetworkJob:
29. SaveUSBJob:
30. SendMotionCommand:
31. SetAdminPin:
32. SetCOMPortAssignments:
33. SetCOMPortSpeed:
34. SetDHCPMode:
35. SetExternalStartMode:
36. SetLocalGateway:
37. SetLocalIp:
38. SetLocalTime:
39. SetMemBuffer:
40. SetMOTFEncoderRate:
41. SetNodeFriendlyName:
42. SetObjectMarkMode:
43. SetObjectNumPasses:
44. SetObjectPassRepetitions:
45. SetObjectProfile:
46. SetObjectProfileFromFile:
47. SetObjectString:
48. SetObjectUserData:
49. SetPerformanceGlobals:
50. SetSubnetMask:
51. SetUserOutBit:
52. SetUserOutInitWord:
53. SetUserOutWord:
54. SetUserOutPreferences:
55. SetUserPIN:
56. TakeHostControl:
57. TransformObject:

Applies rotation, scaling and offset to the specified object and concatenates the transform to the current UserTransform.

1. TransformObjectByName:

Applies rotation, scaling, offset and a new string value to the specified named string based object and concatenates the transform values to the current UserTrandform.

1. TransformObjectByNameNewFill:

Applies rotation, scaling, offset to the object outline, generates new fill, applies a new string value to the specified named string based object, then concatenates the transform values to the current UserTransform.

1. Transform ObjectByNameEx:
2. TurnLaserOff:
3. TurnLaserOn: