Manufacturer	Seiko Epson Corp
Equipment Model	NS-6040 / NS600F
Equipment Type	Pick n Place
Vintage	06.06
Origin	Japan
Package type	QFP, TSOP, SOP, PGA, BGA, PLCC, LGA
Lead Count / Size	3 mm x 3 mm to 50 mm x 50 mm
Hand of Input/Output Arm	Open and Close
No. of Hands per Arm	2
No. of Sites	2 sites up to 4 sites
Temperature Capability	Dual Temp [Ambient Hot (+50º to +130º)]
Device Alignment	Alignment pocket
Input Type (Load)	Tray
Output Type (Unload)	Tray
Binning	Max 6 bins (Auto Tray: 3, Manual Tray (Fixed) :3)
Equipment Version	SRC-ZH18.19A-CFK
	MMI-ZH18.19A.CFK
Interface	DIO, GPIB, RS232
Operation Method	Operation Panel, LCD, Mouse
OS	Windows
Dimension	1780(W) x 1320 (D) x 1600 (H)
Weight	850 kg (approx.)
Power Requirements	220V AC, 50/60 Hz, 6kVA
CDA	0.49 MPa (5kgf/cm2) 50 NQ/min

Note: Configurations are based on handler current status.

NS 6040 Motor Location and Specifications

Unit	Motor No.	Function	Voltage	Wattage	Current	Torque	Speed (Min-1)	Remarks
Index Unit	M1	Y-axis direction	200V	200W	2.0A	0.637N.m	3000	
	M3	Z-axis direction Index Unit (Test Arm 1 up/down)	200V	200W	2.0A	0.637N.m	3000	With Brake
	M4	U-axis direction (Test Arm 2 up/down)	200V	200W	2.0A	0.637N.m	3000	With Brake
Input Arm	M21	Y-axis direction	200V	400W	2.6A	1.27N.m	3000	
	M22	X-axis direction	200V	100W	0.87A	0.318N.m	3000	
	M23	Z-axis direction (Hand 1 up/down)	24V	2W approx.	0.75A / Phase			0.72^{o} Step Angle
	M24	Z-axis direction (Hand 2 up/down)						
Output Arm	M31	Y-axis direction	200V	400W	2.6A	1.27N.m	3000	
	M32	X-axis direction	200V	100W	0.87A	0.318N.m	3000	
	M33	Z-axis direction (Hand 1 up/down)	24V	2W approx.	0.75A / Phase			0.72^{o} Step Angle
	M34	Z-axis direction (Hand 2 up/down)						
Shuttle 1	M41	X-axis direction	200V	100W	0.87A	0.318N.m	3000	
Shuttle 2	M42	X-axis direction	200V	100W	0.87A	0.318N.m	3000	
Empty Tray Arm	M51	Empty tray transportation	200V	100W	0.87A	0.318N.m	3000	
Tray Loader	M191	Tray transportation	200V	6 W	0.15A			
Tray Unloader	M192	Tray transportation	200 V	6 W	0.15A			
	M193	Tray transportation						
	M194	Tray transportation						