

DATA SHEET

NEX7 ROBOT

Advanced robotic system combines AI-driven adaptability, real-time sensor feedback, and high-speed precision motion to improve handling, assembly, and flexible automation in dynamic manufacturing environments.

KEY BENEFITS

- True Autonomous Adaptivity To Unstructured Environments.
- Incorporates Advanced, High-Inertia Sigma-X Servomotors
- Outstanding Positioning Accuracy And Absolute Accuracy, Designed To Minimize The Physical “Gap” Between Simulated Models And Real-World Execution.



APPLICATIONS ☒ HIGH-MIX SORTATION | FLEXIBLE PACKAGING | ADAPTIVE MACHINE TENDING | PRECISION LAB HANDLING

ITEM	DESCRIPTION
Controlled Axes	6
Maximum Payload	7 kg
Repeatability	0.01 mm
Reach	927 mm
Weight	48 kg
Power Requirement	1 kVA
Clean Rating	IP67
Mounting Options	Floor, Wall, Tilt, or Ceiling

AXES	MAX MOTION RANGE	MAX SPEED	ALLOWABLE MOMENT	ALLOWABLE MOMENT OF INERTIA
	degrees	°/sec	N·m	kg·m ²
S - Swivel Base	±180	375	-	-
L - Lower Arm	+145/-100	315	-	-
U - Upper Arm	+190/-70	410	-	-
R - Arm Roll	±190	550	17	0.5
B - Wrist Bend	+225/-45	550	17	0.5
T - Tool Flange	±360	1000	10	0.2

