



NICA ROBOTICS CORP.
Numeric Integration Creative Automation
Your Automation Partner

NICA 5-2000

3, 4 & 6-Axis Robot for Small & High Payload Handling

Applications:

- Die Cast
- Machine Trending
- Material Cutting/Trimming
- Material Handling
- Part transfer
- Press Tending
- Arc Welding
- Assembly
- Handling
- Logistics
- Spot Welding
- Machine Tending
- Picking & Packing
- Painting Dispensing
- Palletizing
- Specimen Processing



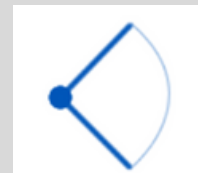
5-2000kg
Payload



i6-i8 Robot
Controller



800-6000mm
Horizontal Reach



800-7000mm
Vertical Reach



Eliminating the need for a linear track, the Nica 5-2000 increases productivity for small to a large part, minimal to high payload applications. A contoured upper arm enables easy access to parts in tight areas, and the reduced interference design accommodates close proximity placement robots. While a wide wrist motion range eliminates interference, improving application flexibility, high moment and inertia ratings- combined with very fast axis speeds and acceleration capabilities - enable the NICA 5-2000 robot to efficiently handle the toughest material handling project needs.

SPECIFICATIONS

Axes	Maximum Motion Range	Maximum Speed	Allawable moment	Allawable moment of Inertia	Allawable moment of Inertia	Unit	GP180-120
	Degrees	Sec	N - M	KG - m3	Controlled Axes		3-6
S	+- 180	125	-	-	Maximum Payload	Kg	5-2000kg
L	+176/-60	115	-	-	Repeatability	mm	0.05
U	+90/-86	125	-	-	Horizontal Reach	mm	800-6000mm
R	+- 360	182	883	79	Vertical Reach	mm	800-7000mm
B	+- 130	175	883	79	Weight	Kg	depends on model
T	+- 360	265	520	40	Internal User I/O cable		24 conductors w/ ground
					Internal User air line		(1) 3/8" connections
					Power Requirements		depends on model
					Power Rotting	KVA	5



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