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Pranatec S.A. de C.V



LABORATORIO DE  
ROBÓTICA INDUSTRIAL



## ROBOTS 100% INDUSTRIALES

La velocidad de nuestros robots depende totalmente de la aplicación en la que estén trabajando. Debemos considerar distancias, carga, proximidad, altura y repetibilidad. Los robots Adept tienen un alto grado de repetibilidad, esto es diferente a la exactitud ( $\pm .003''$ )

La velocidad promedio de los robots Adept es:

- Quattro: 120+ ppm
- Cobra: 50-60 ppm
- Viper: 30-50 ppm

### ROBOT INDUSTRIAL COBRA



	Adept Cobra		
	±350	±600 / ±800	±600 / ±800 / ±800 lrv
Number of Axes	4	4	4
Max Payload (kg)	5.0	5.5	5.5
Reach (mm)	350	600 / 800	600 / 800 / 800
Z-Stroke (mm)	200	210	210
Repeatability			
XY (mm)	±0.015	±0.017	±0.017
Z (mm)	±0.01	±0.003	±0.003
Theta	±0.005*	±0.019*	±0.019*
I/O expansion options	IO Blox sDIO	IO Blox	IO Blox sDIO
Controls	SmartController	Embedded	SmartController
Communications			
Ethernet	yes	-	yes
DeviceNet	yes	-	yes
SmartServo	yes	-	yes
RS-232/422/485	yes	-	yes
PLC	yes	-	yes
Vision Option	yes	yes	yes
Conveyor Tracking Option	yes	-	yes
Environmental Options			
IP Rating Option	-	-	- / IP65 / IP65
Cleanroom Option	yes +ESD	yes	yes

### ROBOT INDUSTRIAL VIPER



	Adept Viper			
	±650	±850	±1300	±1700
Number of Axes	6	6	6	6
Max Payload (kg)	5	5	10	20
Reach (mm)	653	855	1298	1717
X,Y,Z Repeatability (mm)	±0.02	±0.03	±0.07	±0.06
I/O expansion options	IO Blox sDIO	IO Blox sDIO	IO Blox sDIO	IO Blox sDIO
Controls	SmartController			
Communications				
Ethernet	yes	yes	yes	yes
DeviceNet	yes	yes	yes	yes
SmartServo	yes	yes	yes	yes
RS-232/422/485	yes	yes	yes	yes
PLC	yes	yes	yes	yes
Vision Option	yes	yes	yes	yes
Conveyor Tracking Option	yes	yes	yes	yes
Environmental Options				
IP Rating (standard)	IP40	IP40	IP40	IP54/67
IP Rating (optional)	IP54/65	IP54/65	-	IP65/67
Cleanroom Option	yes	yes	-	-

### ROBOT INDUSTRIAL QUATTRO



	Adept Quattro		
	±650H	±650HS	±800H
Number of Axes	4	4	4
Max Payload (kg)	6	6	4
Reach (mm)	650 (max)	650 (max)	800 (max)
Z-Stroke (mm)	500	500	500
Repeatability			
XY (mm)	±0.1	±0.1	±0.15
Z (mm)	±0.1	±0.1	±0.15
Theta	±0.2°-0.6°**	±0.2°-0.6°**	±0.2°-0.6°**
I/O expansion options	sDIO	sDIO	sDIO
Controls	SmartController	SmartController	SmartController
Communications			
Ethernet	yes	yes	yes
DeviceNet	yes	yes	yes
SmartServo	yes	yes	yes
RS-232/422/485	yes	yes	yes
PLC	yes	yes	yes
Vision Option	yes	yes	yes
Conveyor Tracking Option	yes	yes	yes
Environmental Options			
IP Rating Option	IP65	IP66/67 (std)	IP65
Cleanroom Option	-	-	-



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