

YUDO Take-out Robot Line-up

Classification ▶

Advanced technology and optimal design in harmony, YUDO-SUNS a new standard in Take-out Robots

Control system

Premium



YUCON-700

- TFT Touch Screen (65536 Color)
- All windows OS support languages available
- Compatible with EUROMAP 12 and 67 (connector or hardware is optional)
- Take-out Robot monitoring through Ethernet (10/100)
- Smart function (Collision detection, Anti-vibration etc)
- User NC program

Advanced



YUCON-670

- 8 inch TFT Touch Screen (16,7 million color)
- Basic supporting 5 languages (Responding to all languages in the world as an option)
- Compatible with EUROMAP 12 and 67 (Connector or hardware is optional)
- Take-out Robot monitoring through IMC function (Option)
- Smart function (Servo Sleep, Collision Detection, Anti-Vibration, etc)
- Easy operation

General



YUCON-650

- 8 inch TFT Touch Screen (16,7 million color)
- Basic supporting 5 languages (Responding to all languages in the world as an option)
- Compatible with EUROMAP 12 and 67 (Connector or hardware is optional)
- Take-out Robot monitoring through IMC function (Option)
- Smart function (Servo Sleep, Collision Detection, Anti-Vibration, etc)
- Easy operation

Basic



YUCON-260

- 320X240 high-resolution color TFT LCD (65536 color)
- 4 languages support (Standard: Korean/English, Option 2 languages: Chinese/Spanish) (* among 20 unicode support languages)
- Dead man's switch: push-rock reset type emergency stop switch
- 3 position usable switch, main power switch
- 60 different Mold Memories
- 36 different sequences pre programmed



STEC-K4

- 3 languages (Standard: Korean/English)
- Alarm history
- Emergency stop input/output function
- 18 basic modes of Robot's movement installed
- Mold Memory function up to 32 items
- Ten-key function
- Additional Usuable keys

Type
Control system
Model
Payload (kg) ▶
Vertical structure ▶
X-axis length ▶
X-axis velocity (m/s) ▶
Y-axis length ▶
Y-axis velocity (m/s) ▶
Z-axis length ▶
Z-axis velocity (m/s) ▶
Driving method ▶
• X-axis ▶
• Y-axis ▶
• Z-axis ▶
Air consumption ▶
Power consumption ▶
Power source ▶
I.M.M
Range (ton) ▶
<ul style="list-style-type: none"> ■ Large-sized ■ Middle-sized ■ Small-sized

Parallel

for Stack-mold

Side-entry

P Series

Parallel traverse type



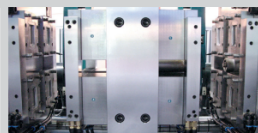
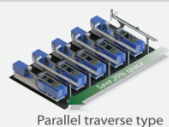
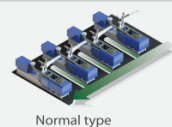
STM Series ZEBRA

Optimized Robot for Stack-Mold system

Side entry type High speed Robot



Type	Traverse type									Traverse type				Side-entry type	
Control system	YUCON-670									YUCON-670				YUCON-700	
Model	MEGA-1800-2P	MEGA-1800-3P	MEGA-1800-4P	MEGA-2000-2P	MEGA-2000-3P	MEGA-2000-4P	MEGA-2500-2P	MEGA-2500-3P	MEGA-2500-4P	SIGMA-1200STM	SIGMA-1500STM	SIGMA-1800STM	SIGMA-2000STM	ZEBRA-312X-H	ZEBRA-315X-H
◀ Payload (kg)	25 kg	25 kg	25 kg	30 kg	30 kg	30 kg	45 kg	45 kg	45 kg	10 kg	15 kg	25 kg	30 kg	3kg	3 kg
◀ Vertical structure	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	1 X	1 X
◀ X-axis length										800mm	920mm	1281mm	1281mm	670mm	670mm
◀ X-axis velocity (m/s)														1.1m/s	1.1m/s
◀ Y-axis length	1800mm	1800mm	1800mm	2000mm	2000mm	2000mm	2500mm	2500mm	2500mm	1200mm	1500mm	1800mm	2000mm	500mm	500mm
◀ Y-axis velocity (m/s)														1.2m/s	1.2m/s
◀ Z-axis length	6500mm	6500mm	6500mm	7000mm	7000mm	7000mm	8300mm	8300mm	8300mm	1600mm	2000mm	2500mm	3500mm	1200mm	1500mm
◀ Z-axis velocity (m/s)														5.0m/s	5.0m/s
◀ X-axis										AC servo	AC servo	AC servo	AC servo	AC servo	AC servo
◀ Y-axis										AC servo	AC servo	AC servo	AC servo	AC servo	AC servo
◀ Z-axis										AC servo	AC servo	AC servo	AC servo	AC servo (Entry)	AC servo (Entry)
◀ Air consumption	38	38	76	125	125	250	225	225	450	25	48	58	140	2.5	2.5
◀ Power consumption	6.0	7.5	12.0	8.2	10.0	16.2	8.2	10.0	16.2	11.1	9.9	15	16.4	5	5
◀ Power source	AC 220V, AC 220V, AC 220V, AC 220V, AC 220V, AC 220V, AC 220V, AC 220V, AC 220V, AC 220V, 50/60 Hz 50/60 Hz 50/60 Hz 50/60 Hz 50/60 Hz 50/60 Hz 50/60 Hz 50/60 Hz 50/60 Hz 50/60 Hz									AC 220V, AC 220V, AC 220V, AC 220V, 50/60 Hz 50/60 Hz 50/60 Hz 50/60 Hz				AC 380V, AC 380V, 50/60 Hz 50/60 Hz	



150-350 150-350

YUDO

Take-out Robot Line-up



www.yudo.com

Scan QR code, You can see more information through YUDO website.

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This catalogue provides a customer with product image and the information. All reference specifications are subjected to change with out prior notice.



High speed and high precision robot in its class



Ultra high-speed model of SONIX series
max70% speed up compared to standard model



High speed / high precision robot
performing max.4.0m/sec (on the basis of vertical axis)



						Traverse type								Traverse type				Traverse type									
						YUCON-670								YUCON-700				YUCON-700									
SEMA-510i	SEMA-510is	SEMA-1012	SEMA-1012s	SEMA-1515	SEMA-1515s	SONIX-808	SONIX-808s	SONIX-808i	SONIX-808is	SONIX-810	SONIX-810s	SONIX-810i	SONIX-810is	SONIX-808i-H	SONIX-808is-H	SONIX-810i-H	SONIX-810is-H	GIGA-1012	GIGA-1015	GIGA-1018	GIGA-2015	GIGA-2018	GIGA-2020	GIGA-3520	GIGA-3525	GIGA-5025	GIGA-5030
5 kg	5 kg	10 kg	10 kg	15 kg	15 kg	8 kg	8 kg	8 kg	8 kg	8 kg	8 kg	8 kg	8 kg	8 kg	8 kg	8 kg	8 kg	10 kg	10 kg	10 kg	20 kg	20 kg	20 kg	35 kg	35 kg	50 kg	50 kg
1 X	1 X	2 X	2 X	2 X	2 X	2 X	2 X	1 X	1 X	2 X	2 X	1 X	1 X	1 X	1 X	1 X	1 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X
780mm 1.0m/s	Ⓟ: 730mm Ⓡ: 730mm 1.0m/s	980mm (1.0m/s)	Ⓟ: 810mm Ⓡ: 810mm 1.0m/s	1300mm 0.5m/s	Ⓟ: 1070mm Ⓡ: 1070mm 0.5m/s	730mm 1.1m/s	Ⓟ: 570mm Ⓡ: 570mm 1.1m/s	730mm 1.1m/s	Ⓟ: 570mm Ⓡ: 570mm 1.1m/s	830mm 1.1m/s	Ⓟ: 670mm Ⓡ: 670mm 1.1m/s	830mm 1.1m/s	Ⓟ: 670mm Ⓡ: 670mm 1.1m/s	730mm 0.6m/s	Ⓟ: 570mm Ⓡ: 570mm 0.6m/s	830mm 0.6m/s	Ⓟ: 670mm Ⓡ: 670mm 0.6m/s	720mm 2.0m/s	720mm 2.0m/s	720mm 2.0m/s	900mm 2.0m/s	900mm 2.0m/s	900mm 2.0m/s	1200mm 1.5m/s	1200mm 1.5m/s	1500mm 1.5m/s	1500mm 1.5m/s
1000mm 3.0m/s	Ⓟ: 1000mm Ⓡ: 1050mm 3.0m/s	1200mm 3.0m/s	Ⓟ: 1200mm Ⓡ: 1250mm 3.0m/s	1500mm 2.1m/s	Ⓟ: 1500mm Ⓡ: 1550mm 2.1m/s	800mm 2.5m/s	Ⓟ: 800mm Ⓡ: 850mm 2.5m/s	800mm 2.9m/s	Ⓟ: 800mm Ⓡ: 850mm 2.9m/s	1000mm 2.5m/s	Ⓟ: 1000mm Ⓡ: 1050mm 2.5m/s	1000mm 2.9m/s	Ⓟ: 1000mm Ⓡ: 1050mm 2.9m/s	800mm 3.6m/s	Ⓟ: 800mm Ⓡ: 850mm 3.6m/s	1000mm 3.6m/s	Ⓟ: 1000mm Ⓡ: 1050mm 3.6m/s	1200mm 4.0m/s	1500mm 4.0m/s	1800mm 4.0m/s	1500mm 4.0m/s	1800mm 4.0m/s	2000mm 4.0m/s	2000mm 3.0m/s	2500mm 3.0m/s	2500mm 2.8m/s	3000mm 2.8m/s
1600mm 1.5m/s	1600mm 1.5m/s	1600mm 1.2m/s	1600mm 1.2m/s	2000mm 1.1m/s	2000mm 1.1m/s	1400mm 1.7m/s	1400mm 1.7m/s	1400mm 1.7m/s	1400mm 1.7m/s	1600mm 1.7m/s	1600mm 1.7m/s	1600mm 1.7m/s	1600mm 1.7m/s	1400mm 2.9m/s	1400mm 2.9m/s	1600mm 2.9m/s	1600mm 2.9m/s	1600mm 3.0m/s	2000mm 3.0m/s	2500mm 3.0m/s	2000mm 3.0m/s	2500mm 3.0m/s	2500mm 3.0m/s	3500mm 2.0m/s	3500mm 2.0m/s	4000mm 2.0m/s	4000mm 2.0m/s
						Ⓟ Product side Ⓡ Runner side * () option												Ⓟ Product side Ⓡ Runner side * () option									
Linear Servo	Linear Servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo
AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo
AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	
4.8 Nℓ/Cycle	4.9 Nℓ/Cycle	4.9 Nℓ/Cycle	5 Nℓ/Cycle	8 Nℓ/Cycle	8 Nℓ/Cycle	4.6 Nℓ/Cycle	4.7 Nℓ/Cycle	4.6 Nℓ/Cycle	4.7 Nℓ/Cycle	4.6 Nℓ/Cycle	4.7 Nℓ/Cycle	4.6 Nℓ/Cycle	4.7 Nℓ/Cycle	4.1 Nℓ/Cycle	4.2 Nℓ/Cycle	4.1 Nℓ/Cycle	4.2 Nℓ/Cycle	4.5 Nℓ/Cycle	4.5 Nℓ/Cycle	4.5 Nℓ/Cycle	11 Nℓ/Cycle	11 Nℓ/Cycle	11 Nℓ/Cycle	32 Nℓ/Cycle	32 Nℓ/Cycle	41 Nℓ/Cycle	41 Nℓ/Cycle
1.5 kVA	2.0 kVA	1.9 kVA	2.5 kVA	2.3 kVA	3.0 kVA	2.1 kVA	3.0 kVA	2.1 kVA	3.0 kVA	2.1 kVA	3.0 kVA	2.1 kVA	3.0 kVA	5 kVA	7 kVA	5 kVA	7 kVA	6.8 kVA	6.8 kVA	6.8 kVA	9.1 kVA	9.1 kVA	9.1 kVA	22 kVA	22 kVA	22 kVA	22 kVA
AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	AC 380V, 50/60 Hz	

		350~550	350~550	450~850	450~850													350~550	450~850	1000~1300		1000~1300	1600~2000	1600~2000	2000~3000	2000~3000	3000~4500
220~350	220~350					100~220	100~220	100~220	100~220	220~350	220~350	220~350	220~350	100~220	100~220	220~350	220~350				450~850						



Swing type small robot operated by air cylinder



Side entry swing type small robot operated by air cylinder



Economic take-out Robot operated by AC servo and Air cylinder



Light weigh and high moving speed robot realized by optimized design



Light weigh and high precision robot realized by optimized design



Type	Swing type				Side entry type			Traverse type						Traverse type				Traverse type							
Control system	STEC-K4				STEC-K4			YUCON-260						YUCON-260				YUCON-650							
Model	SMUS-300	SMUS-450	SMUS-600	SMUS-800	SMUS-450H	SMUS-600H	SMUS-800H	EZI-800v	EZI-800sv	EZI-1000v	EZI-1000sv	EZI-1200v	EZI-1200sv	SEKO-206i	SEKO-206is	SEKO-208i	SEKO-208is	SEMA-308i	SEMA-308is	SEMA-509	SEMA-509s	SEMA-509i	SEMA-509is	SEMA-510	SEMA-510s
Payload (kg) ▶	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	2 kg	5 kg	5 kg	5 kg	5 kg	10 kg	10 kg	2 kg	2 kg	2 kg	2 kg	3 kg	3 kg	5 kg	5 kg	5 kg	5 kg	5 kg	5 kg
Vertical structure ▶	1 X	1 X	1 X	1 X	1 X	1 X	1 X	2 X	2 X	2 X	2 X	2 X	2 X	1 X	1 X	1 X	1 X	1 X	1 X	2 X	2 X	1 X	1 X	2 X	2 X
X-axis length ▶	25mm	75mm	75mm	100mm	75mm	75mm	100mm	200mm	Ⓟ : 200mm Ⓡ : 100mm	200mm	Ⓟ : 200mm Ⓡ : 100mm	350mm	Ⓟ : 350 Ⓡ : 150	150mm	Ⓟ : 150mm Ⓡ : 100mm	150mm	Ⓟ : 150mm Ⓡ : 100mm	600mm	Ⓟ : 450mm Ⓡ : 450mm	620mm	Ⓟ : 570mm Ⓡ : 570mm	680mm	Ⓟ : 630mm Ⓡ : 630mm	720mm	Ⓟ : 670mm Ⓡ : 670mm
X-axis velocity (m/s) ▶																		1.0m/s	1.0m/s	1.0m/s	1.0m/s	1.0m/s	1.0m/s	1.0m/s	1.0m/s
Y-axis length ▶	300mm	450mm	600mm	800mm	450mm	600mm	800mm	800mm	Ⓟ : 800mm Ⓡ : 850mm	1000mm	Ⓟ : 1000mm Ⓡ : 1050mm	1200mm	Ⓟ : 1200 Ⓡ : 1250	600mm	Ⓟ : 600mm Ⓡ : 650mm	800mm	Ⓟ : 800mm Ⓡ : 850mm	800mm	Ⓟ : 800mm Ⓡ : 850mm	900mm	Ⓟ : 900mm Ⓡ : 950mm	900mm	Ⓟ : 900mm Ⓡ : 950mm	1000mm	Ⓟ : 1000mm Ⓡ : 1050mm
Y-axis velocity (m/s) ▶		50~90° swing																2.4m/s	2.4m/s	3.0m/s	3.0m/s	3.0m/s	3.0m/s	3.0m/s	3.0m/s
Z-axis length ▶								1400mm	1400mm	1600mm	1600mm	1600mm	1600mm	1200mm	1200mm	1200mm	1200mm	1400mm	1400mm	1600mm	1600mm	1600mm	1600mm	1600mm	1600mm
Z-axis velocity (m/s) ▶																		1.8m/s	1.8m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s
Driving method ▶								Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Linear Servo	Linear Servo	Linear Servo	Linear Servo	Linear Servo	Linear Servo	Linear Servo	Linear Servo
								Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo
								AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo
Air consumption ▶	-	7.4 Nℓ/Cycle	9.0 Nℓ/Cycle	10.8 Nℓ/Cycle	7.4 Nℓ/Cycle	9.0 Nℓ/Cycle	10.8 Nℓ/Cycle	24 Nℓ/Cycle	29 Nℓ/Cycle	39 Nℓ/Cycle	45 Nℓ/Cycle	45.5 Nℓ/Cycle	63 Nℓ/Cycle	12 Nℓ/Cycle	20 Nℓ/Cycle	12 Nℓ/Cycle	20 Nℓ/Cycle	4.6 Nℓ/Cycle	4.7 Nℓ/Cycle	4.8 Nℓ/Cycle	4.9 Nℓ/Cycle	4.8 Nℓ/Cycle	4.9 Nℓ/Cycle	4.8 Nℓ/Cycle	4.9 Nℓ/Cycle
Power consumption ▶	0.05 kVA	0.05 kVA	0.05 kVA	0.05 kVA	0.05 kVA	0.05 kVA	0.05 kVA	0.8 kVA	0.8 kVA	0.8 kVA	0.8 kVA	1.5 kVA	1.5 kVA	0.8 kVA	0.8 kVA	0.8 kVA	0.8 kVA	1.3 kVA	2.0 kVA	1.5 kVA	2.0 kVA	1.5 kVA	2.0 kVA	1.5 kVA	2.0 kVA
Power source ▶	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz	AC 220V, 50/60 Hz
I.M.M Range (ton) ▶	~30	30~80	80~160	150~220	30~80	80~160	150~220	100~220	100~220	220~350	220~350	350~550	350~550	80~220	80~220	80~220	80~220	80~180	80~180	100~220	100~220	100~220	100~220	220~350	220~350

- Large-sized
- Middle-sized
- Small-sized