◀ Classification / Custom order ▶

Parallel	for Stack-mold	Side-entry

P SERIES
Parallel traverse type

STM SERIES
Optimized Robot for Stack-Mold system

ZEBA
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	ZEBA-312X-H	ZEBA-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 - ◀ X-axis velocity (m/s)										800mm	920mm	1281mm	1281mm	670mm 1.1m/s	670mm 1.1m/s
◀ Y-axis length - ◀ Y-axis velocity (m/s)	1800mm	1800mm	1800mm	2000mm	2000mm	2000mm	2500mm	2500mm	2500mm	1200mm	1500mm	1800mm	2000mm	500mm 1.2m/s	500mm 1.2m/s
◀ Z-axis length - ◀ Z-axis velocity (m/s)	6500mm	6500mm	6500mm	7000mm	7000mm	7000mm	8300mm	8300mm	8300mm	1600mm	2000mm	2500mm	3500mm	1200mm 5.0m/s	1500mm 5.0m/s
◀ X-axis										AC servo	AC servo	AC servo	AC servo	AC servo	AC servo
◀ Y-axis ◀ Driving method	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
◀ Z-axis	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 (Entry)	AC servo (Entry)
◀ Air consumption	38 NE/Cycle	38 NE/Cycle	76 NE/Cycle	125 NE/Cycle	125 NE/Cycle	250 NE/Cycle	225 NE/Cycle	225 NE/Cycle	450 NE/Cycle	25 NE/Cycle	48 NE/Cycle	58 NE/Cycle	140 NE/Cycle	2.5 NE/Cycle	2.5 NE/Cycle
◀ Power consumption	6.0 kVA	7.5 kVA	12.0 kVA	8.2 kVA	10.0 kVA	16.2 kVA	8.2 kVA	10.0 kVA	16.2 kVA	11.1 kVA	9.9 kVA	15 kVA	16.4 kVA	5 kVA	5 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 380V, 50/60 Hz	AC 380V, 50/60 Hz
■ Large-sized ■ Middle-sized ■ Small-sized ◀ I.M.M Range (ton)	Normal type			Parallel traverse type										150~350	150~350

YUDO

Take-out Robot Line-up

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

YUDO-SUNS CO., LTD.

415, Cheongneung-daero,
Namdong-Gu, Incheon, 405-817, KOREA

T. +82 32 450 7800
F. +82 32 819 3200
E-mail. yudosuns@yudosuns.com

This catalogue provides a customer with product image and the information. All reference specifications are subjected to change without prior notice.

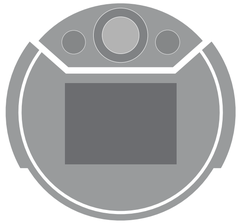
Ver. 2.0 Take-out Robot Line-up (July 2016)

Edition 2
2016

English

Take-out ROBOT

YUDO Consilience Technology



YUDO Take-out Robot Line-up

◀ Classification ▶

Advanced technology and optimal design in harmony,

YUDO-SUNS a new standard in Take-out Robots

◀ Classification ▶

Control system

Premium

YUCON-700

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

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

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

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 diffrent sequences pre programmed

STEC-K4

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) ▶ ■ Large-sized ■ Middle-sized ■ Small-sized

◀ Classification ▶

	Basic												General														Advanced								Premium											
	SMUS				SMUS-H			EZi-V					SEKO				SEMA										SONiX								SONiX-H				GIGA							
	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										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)										
Type	Swing type				Side entry type			Traverse type					Traverse type				Traverse type										Traverse type								Traverse type				Traverse type							
Control system	STEC-K4				STEC-K4			YUCON-260					YUCON-260				YUCON-650										YUCON-670								YUCON-700				YUCON-700							
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	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
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	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
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	1 X	1 X	2 X	2 X	2 X	2 X	2 X	2 X	1X	1X	2 X	2 X	1 X	1 X	1 X	1 X	1 X	1X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X	2 X
X-axis length ▶ - X-axis velocity (m/s) ▶	25mm	75mm	75mm	100mm	75mm	75mm	100mm	200mm	Ⓟ : 200mm Ⓡ : 100mm	200mm	Ⓟ : 200mm Ⓡ : 100mm	350mm	Ⓟ : 350 Ⓡ : 150	150mm	Ⓟ : 150mm Ⓡ : 100mm	150mm	Ⓟ : 150mm Ⓡ : 100mm	600mm 1.0m/s	Ⓟ : 450mm Ⓡ : 450mm 1.0m/s	620mm 1.0m/s	Ⓟ : 570mm Ⓡ : 570mm 1.0m/s	680mm 1.0m/s	Ⓟ : 630mm Ⓡ : 630mm 1.0m/s	720mm 1.0m/s	Ⓟ : 670mm Ⓡ : 670mm 1.0m/s	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
Y-axis length ▶ - Y-axis velocity (m/s) ▶	300mm	450mm 50~90° swing	600mm	800mm	450mm	600mm	800mm	800mm	Ⓟ : 800mm Ⓡ : 850mm	1000mm	Ⓟ : 1000mm Ⓡ : 1050mm	1200mm	Ⓟ : 1200 Ⓡ : 1250	600mm	Ⓟ : 600mm Ⓡ : 650mm	800mm	Ⓟ : 800mm Ⓡ : 850mm	800mm 2.4m/s	Ⓟ : 800mm Ⓡ : 850mm 2.4m/s	900mm 3.0m/s	Ⓟ : 900mm Ⓡ : 950mm 3.0m/s	900mm 3.0m/s	Ⓟ : 900mm Ⓡ : 950mm 3.0m/s	1000mm 3.0m/s	Ⓟ : 1000mm Ⓡ : 1050mm 3.0m/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
Z-axis length ▶ - Z-axis velocity (m/s) ▶								1400mm	1400mm	1600mm	1600mm	1600mm	1600mm	1200mm	1200mm	1200mm	1200mm	1400mm 1.8m/s	1400mm 1.8m/s	1600mm 1.5m/s	1600mm 1.5m/s	1600mm 1.5m/s	1600mm 1.5m/s	1600mm 1.5m/s	1600mm 1.5m/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 (1600/1800/2000) 1.7m/s	1400mm (1600/1800/2000) 1.7m/s	1400mm (1600/1800/2000) 1.7m/s	1400mm (1600/1800/2000) 1.7m/s	1600mm (1800/2000) 1.7m/s	1600mm (1800/2000) 1.7m/s	1600mm (1800/2000) 1.7m/s	1600mm (1800/2000) 1.7m/s	1400mm (1600/1800/2000) 2.9m/s	1400mm (1600/1800/2000) 2.9m/s	1600mm (1800/2000) 2.9m/s	1600mm (1800/2000) 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 (4000) 2.0m/s	3500mm (4000) 2.0m/s	4000mm (4500) 2.0m/s	4000mm (4500) 2.0m/s
								Ⓟ Product side Ⓡ Runner side						Ⓟ Product side Ⓡ Runner side				Ⓟ Product side Ⓡ Runner side														Ⓟ Product side Ⓡ Runner side * ( ) option								Ⓟ Product side Ⓡ Runner side * ( ) option										
Driving method ▶ • X-axis ▶	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	Air cylinder	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	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
• Y-axis ▶								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	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo	AC servo
• Z-axis ▶								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
Air consumption ▶	-	7.4 NE/Cycle	9.0 NE/Cycle	10.8 NE/Cycle	7.4 NE/Cycle	9.0 NE/Cycle	10.8 NE/Cycle	24 NE/Cycle	29 NE/Cycle	39 NE/Cycle	45 NE/Cycle	45.5 NE/Cycle	63 NE/Cycle	12 NE/Cycle	20 NE/Cycle	12 NE/Cycle	20 NE/Cycle	4.6 NE/Cycle	4.7 NE/Cycle	4.8 NE/Cycle	4.9 NE/Cycle	4.8 NE/Cycle	4.9 NE/Cycle	4.8 NE/Cycle	4.9 NE/Cycle	4.8 NE/Cycle	4.9 NE/Cycle	4.9 NE/Cycle	5 NE/Cycle	8 NE/Cycle	8 NE/Cycle	4.6 NE/Cycle	4.7 NE/Cycle	4.6 NE/Cycle	4.7 NE/Cycle	4.6 NE/Cycle	4.7 NE/Cycle	4.6 NE/Cycle	4.7 NE/Cycle	4.1 NE/Cycle	4.2 NE/Cycle	4.1 NE/Cycle	4.2 NE/Cycle	4.5 NE/Cycle	4.5 NE/Cycle	4.5 NE/Cycle	11 NE/Cycle	11 NE/Cycle	11 NE/Cycle	32 NE/Cycle	32 NE/Cycle	41 NE/Cycle	41 NE/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	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
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	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 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
I.M.M Range (ton) ▶ ■ Large-sized ■ Middle-sized ■ Small-sized												350~550	350~550															350~550	350~550	450~850	450~850													350~550	450~850	1000~1300	450~850	1000~1300	1600~2000	1600~2000	2000~3000	2000~3000	3000~4500
	~30	30 ~ 80	80~160	150~220	30 ~ 80	80~160	150~220	100 ~ 220	100 ~ 220	220~350	220~350			80~220	80~220	80~220	80~220	80~180	80~180	100~220	100~220	100~220	100~220	220~350	220~350	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										