











BLOW MOULDING MACHINE

SINCO

บริษัท ซินโกเทคโนโลยี จำกัด
SINCO TECHNOLOGY CO., LTD.

globalgroup ISO 9001 UKAS MANAGEMENT SYSTEMS 5965
Cert No. 37Q19675

THAILAND TRUSTED QUALITY

Green Industry กระทรวงอุตสาหกรรม

Your Partner & Solution to Plastic Blow Moulding Technology.



บริษัท ซินโกเทคโนโลยี จำกัด







SINCO TECHNOLOGY CO., LTD. was established in 1979 under trade of "SINCO". We are the leader in manufacturing and creating plastic blow moulding machine in Thailand. Our machines are well know in Thailand and Oversea country. "SINCO" produces machinery in various styles, shapes, function to fit specific needs and requirements of our customers.

Our team of technicians and engineers are highly experienced and skilled in their respective fields with an excellent technical team that we assembled. We are able to respond to our customer needs by creating highest quality equipment at the most economical price. "SINCO" manufacturing process begin with designing, selecting parts and storing materials.

We use only best quality and the most durable materials to ensure top quality of finished products. We perform testing and quality control on each machine to ensure that they function properly prior to sending them out to customers. We are very proud of our name "SINCO" and our accomplishments. "SINCO" machines are eminently suitable for the in-house production of plastics bottles by manufacturers of many type of industrials such as Cosmetics, Pharmaceutical, Liquid Detergents, Hygiene Products, Edible Oils, Lube Oils, Food Products etc.













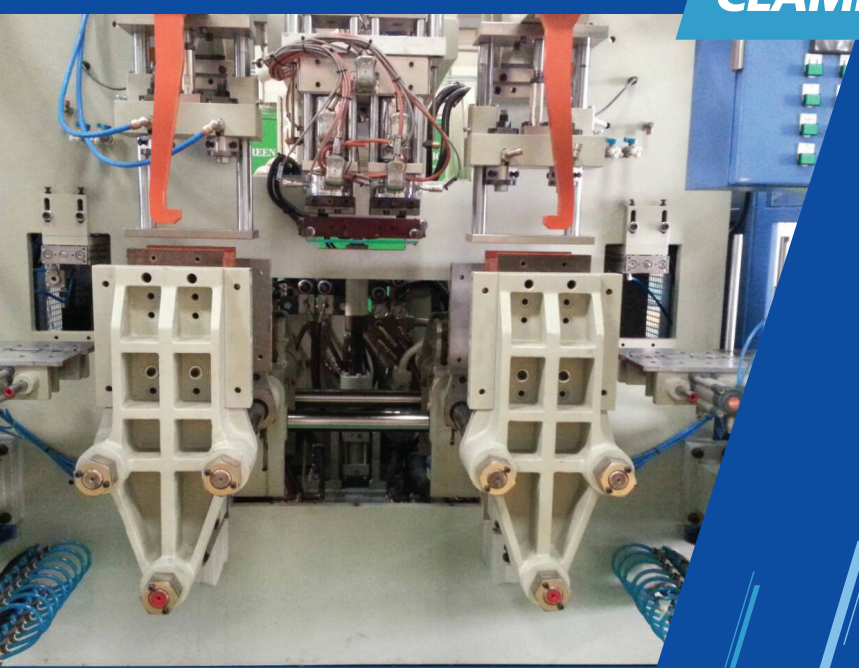




SINCO have 4 series of machine such as VK Series, TL Series, Servo Series, Special and Automotive Series. We designed by customer demand with our quality policy "The Commitment to Development Quality Management to be a leader blow moulding machine for respond customer demand and satisfy". SINCO certainly becomes attractive source for the procurement of high performance blow moulding equipment at a very favorable cost benefit ratio.

VK

CLAMPING BY TIEBAR MACHINE

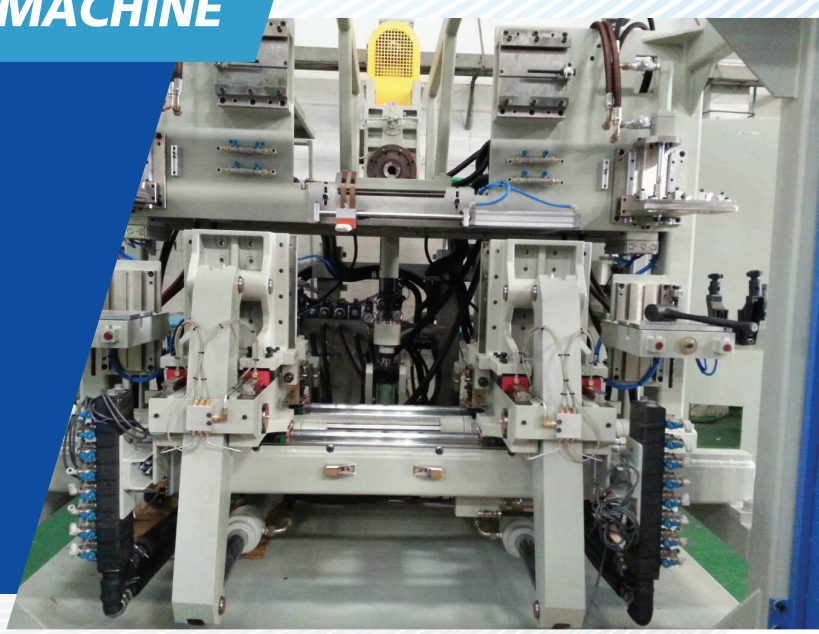


2 and 3 tie bar clamping system single or double carriage with rigid structure design available to produce bottom size 50 cc. to 240 litre. SINCO model have incline and horizontal movement, Directional or Proportional valve, Cooling system, Inverter system saving a considerable amount of energy with high quality brands.

TL

CLAMPING BY TIEBARLESS MACHINE

Feature a special clamping unit design with a Tie-bar-less or Linear Clamping system on guide rails with energy efficient drive fast cycle single or double carriage faster movement 3-tie bar machine. TL using horizontal movement, Directional or Proportional valve, Cooling system, Inverter system saving a considerable amount of energy with high quality brands. Machine suitable multi-cavities and long stroke. Machine can be us with continuous heads. Available to produce bottom size 50 cc. to 240 litre.



SV

SERVO ELECTRIC MACHINE

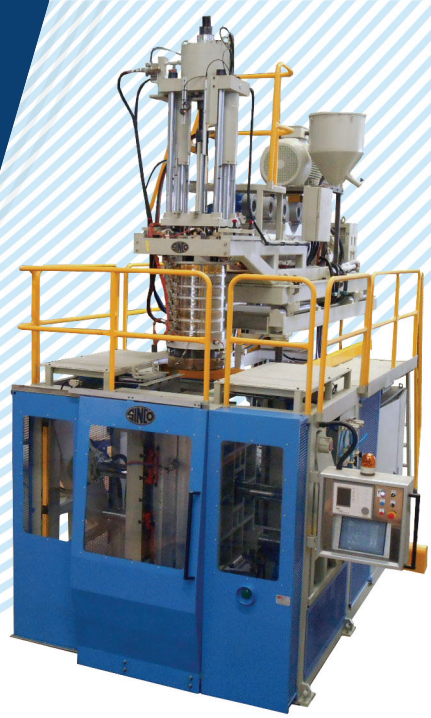
SERVO SERIES MACHINE

For energy saving version of the company will be working with the plastic dryer, electric motor instead of Hydraulic. Servo Motor model is ideal for customers who are focused on saving energy and reducing contamination of the oil. Use for blowing equipment and medical equipment, hygiene products. Machine produce for products. 300 to 2,000 cc. Selected high quality electrical equipments.



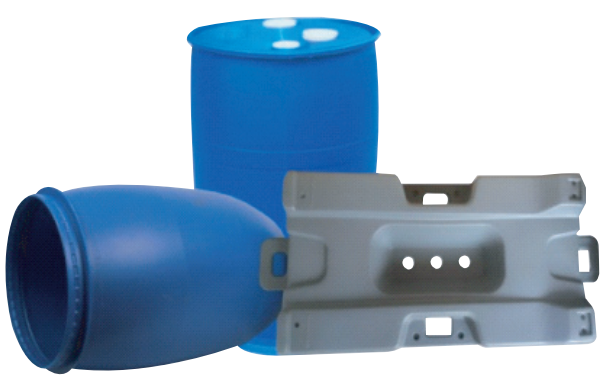


SM



SPECIAL MACHINE

Automotive, Special series using with accumulator head specifically intended for extrusion moulding process. These machines have been specially developed for the production of a wide range of plastic moulding products ranging from for the automotive industry, jerry cans and plastic drums for the packaging industry for large volume.



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SINCO TECHNOLOGY CO., LTD.



VK & TL Special/Automotive Products SERIES

Machine Model	Unit	VK300	VK300DC	VK1000	VK1000DC	VK2000	VK2000DC	VK5000	VK5000DC	TL1000DCL	TL2000DC	TL
General Specification		base on VK750DC										
Clamping Movement		Angle Slope	Horizontal	Angle Slope	Horizontal	Angle Slope	Horizontal	Angle Slope	Horizontal	Horizontal	Horizontal	H
Capacity / Article Size	ml	More 300	More 300	More 1000	More 1000	More 2000	More 2000	More 5000	More 5000	More 1000	More 2000	M
Clamping Force	Ton	1.5	1.5	3.4	3.4	4.6	4.6	9.4	9.4	4.6	6	
Operating Pressure	bar	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	10
Mould Dimensions (WxHxD)	mm	145x160x100	175x160x100	190x265x135	240x265x135	245x340x160	340x340x160	330x400x250	390x400x250	295x265x135	370x335x160	420
Daylight Opening (Max)	mm	220	220	285	285	360	360	500	500	285	360	
Carriage stroke	mm	177	205	220	270	275	370	360	420	330	400	
Dry Cycle	sec	2-5	2-5	2-5	2-5	2-5	2-5	4-7	4-7	2-5	2-5	
Plasticizing capacity (Virgin Mat.)	Kg/Hour	10	15	15	30	30	57	66	104	28-30	57	
Extrusion Die Head Center Distance												
2 Cavities	mm	60	60	85	85	120	120	250	250	100	180	
3 Cavities	mm	-	-	60	60	85	85	180	180	-	160	
4 Cavities	mm	-	-	-	-	60	60	160	160	70	140	
6 Cavities	mm	-	-	-	-	-	-	140	140	-	120	
8 Cavities	mm	-	-	-	-	-	-	85	85	-	85	
Extruder Unit With Inverter Drive												
Screw Diameter	mm	38	38	52	52	60	60	90	90	52	60	
Number of Heating Zones	no.	2	2	2	3	3	3	3	4	3	3	
Screw Speed (Max)	rpm	80-100	80-100	80-100	80-100	80-100	80-100	80-100	80-100	80-100	80-100	
Deive System for Screw (inverter)	Hp	5	10	10	20	20	20	30	50	20	20	
Hydraulic Unit												
Hydraulic drive motor power	Hp	3	7.5	7.5	15	10	15	20	30	15	20	
Volume of hydraulic Accumulator	litre	4	4	10	10	10	20	32	32	10	20	
Hydraulic Tank Volume	litre	140	140	175	245	245	245	260	350	245	245	
Energy Consumption (Inverter Drive)												
Barrel Heater	Kw	2.5	3	6.1	8.7	11.2	11.2	17.1	17.1	9.5	12.6	
Heating Capacity (Max)	Kw	3.5	8	8	11	16.5	19.1	27.4	27.4	18	18	
Average Power Consumption *	Kw	6	10	13	14.5	28.5	30	39.9	42	26.9	35.2	
Average Electric consumption	Kw	10	12	12.13	22.2	22.5	28.2	45	59	22.5	43.5	
Max.Installation of Electric power	Kw	13	21.05	25	30	39	47	75	78	35	72.48	
Maximum air volume request	L / Min	260	400	280	470	700	880	1100	1650	470	880	
Air pressure request	bar	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	
Water for HYD cooling system	L / Min	30	50	30	115	60	120	120	180	115	120	
Water for mold - BP cooling	L / Min	12	16	20	42	40	80	60	100	42	80	
Machine Dimensions												
Machine Width *	mm	700	1,480	1,050	3,030	1,330	2,550	2,700	3,420	2,700	2,910	
Machine Length *	mm	2,160	2,660	3,100	3,140	3,230	4,000	4,030	5,550	3,700	4,160	
Machine Height *	mm	1,850	2,000	2,700	2,270	2,400	2,400	3,000	3,270	3,000	3,160	
Machine Weight *	kg	972	2,350	5,600	6,200	4,580	8,810	5,500	15,000	5,150	8,810	

VK Series

TL Series

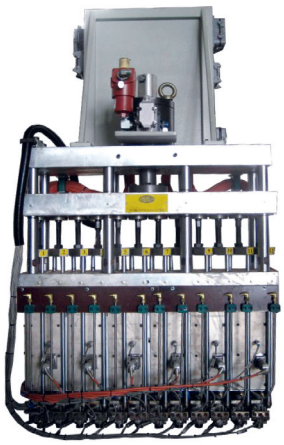


SPEC Machine

000DCL	TL5000DC	TL5000DCL	TL10DC	20E	TL25 DC	80F	100E	180E	200L	2000H	8PL-A80DC	20L-ES	30L-ES
rizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
e 2000	More 5000	More 5000	More10000	More20000	More30000	More40000	More 100000	More180000	More200000	-	-	More20000	-
6	9.4	13.6	13.6	21	20	21	28	50	50	6-10	6-10	15	15-30
- 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120
345x160	390x400x250	500x450x250	720x400x375	435x750x450	575x603x380	500x800x450	700x1400x400	900x1400x500	1000x1320x900	270x1000x160	500x450xx250	400x250x600	700x450x1150
360	500	500	650	950	845	1250	1150	1100	1950	360	650	1,000	1,050
450	420	650	750	465	650	650	730	930	1030	300	530	430	730
2-5	4-7	4-7	4-7	4-7	100 - 120	Depend On Products			40	-	-	-	-
5-100	104	120	110	115	300	120	120	120	120	28-30	67	80	120
180	250	250	300	Depend On Products						Depend On Products			
160	180	180	250										
140	160	160	180										
120	140	140	160										
85	85	85	140										
80	90	90	110	80	110	90	80	90	120	52	80	80	90
4	4	4	4	3	6	4	4	4	7	4	4	4	4
0-100	80-100	80-100	80-100	80-100	80-100	80-100	80-100	80-100	80-100	80-100	80-100	80-100	80-100
20	50	50	50	50	150	60	50	60	100	20	50	50	50
15	30	30	30	20	60	25	40	40	40	10	30	20	25
32	35	35	35	35	35	35	60	70	140	4	10	35	50
245	350	440	440	350	840	360	350	520	600	245	210	350	440
15.9	17.1	18	25	30	35	-	-	-	-	-	22	30	37
27.4	27.4	30	37	39	49	-	-	-	-	-	-	39	-
38.7	44	55.8	66.2	68.75	72.4	73.5	92.07	100	160	26.9	56.2	68.75	73.5
44.9	59	61.3	69.7	72.8	200	77.8	102.5	99	177	28	44.97	72.8	77.8
73.5	98.14	105	150	66.2	250	81	115	100	180	35	53	66.2	81
920	1650	1700	2500	2000	2800	2000	2000	2000	2500	470	1200	2000	2000
7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10	7-10
130	180	190	250	130	280	250	150	150	210	115	190	130	250
90	100	110	200	80	250	200	100	100	280	42	110	80	200
,560	3,760	5,320	3,480	3,060	3,370	3,220	3,830	2,900	7,700	1,830	3,410	3,450	3,450
,775	3,440	5,000	5,000	5,600	7,000	5,090	6,060	5,520	7,800	3,290	5,900	6,600	6,600
,800	3,020	3,000	3,500	3,800	3,800	3,800	4,900	4,250	6,000	2,260	3,700	4,300	4,300
,810	10,050	11,280	9,580	12,500	17,170	10,000	NA	17,750	NA	3,500	11,280	12,000	10,500

TL Special / Automotive Products

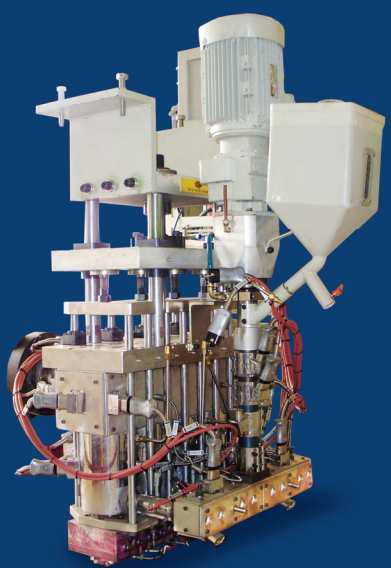
ACCESSORIES EQUIPMENT






SINCO EXTRUSION HEADS:-
SINCO HAVE VARIETY OF DIE HEAD ARE AVAILABLE

- Continuous extrusion head :- Single head up to multiple head (12 heads)
- Co extrusion head :- 2 layer up to multiple layer (6 layer)
- Accumulator head (FIFO system):- 0.5 kg. up to 18 kgs.




VIEWING SIDE STRIP LINE:-

Sinco can supply viewing side strip line system for lubricant-based packaging and other packaging which need verticle line. Our viewing side strip line Is reliable and can be with single layer until multi-layer system.



SCREEN CHANGER:-

Our Screen Changer offered aneconomical, have 2 types (Auto, Manual) efficient way to filter contaminates from polymer flow. It can be used to filter almost all types of thermoplastic material. It is ideally suited in applications where process shut down occur.




ACCESSORIES EQUIPMENT

LEAK TESTER MACHINE:-

Sinco Leak Tester has been designed to combine precise pressure sensor and fixture into one machine which is suitable for product from 0.5-5 liter container with testing speed approximately 600 pcs./hour, (Single Head) and with testing speed approximately 1,200 pcs./hour, (Double Heads.)







WIDE MOUTH CUTTING

Our wide mouth cutting system is designed for 3 systems :-

1) Wide mouth cutting in line by pneumatic
2) Wide mouth cutting by hydraulic move
3) Wide mouth cutting inline/outside stand alone by belt type.







CONVEYOR :-

Our Conveyor and components are intelligently engineered to have high performance and low maintenance, saving your money and minimizing time & product delays. Our conveyor structure is made of stainless steel.

Our conveyors system are available :-

- Top chain conveyor
  (Chain width are available 3.25" or 4.5")
- Scrap Conveyor.
  (Belt width are available 100 - 600 mm.)
- Incline Conveyor.
- Modular Conveyor.
- Vacuum Conveyor.



ACCESSORIES EQUIPMENT

VARIOUS SCREW :-

Design for high efficiency of mixing and plasticizing the quality.











PLASTIC CRUSHER :-

Supply 3 HP-100 HP. Our crushers are applied to grind various soft / hard material shape. The body of crusher is made of stainless steel and is designed in compact size, durable and reliable.





PARISON THICKNESS CONTROL :-

To get a uniform thickness container and maintain the required thickness, axially and radially on the product made out of Extrusion Blow Moulding. To uniform article wall thickness and hence improve quality due to lesser thermal stresses during processing even distribution of thickness and hence possibility for reduction in weight. The reduction in top and bottom wastage and hence higher production.

MOOG



BECKHOFF



SINCO PROVIDES :-

1) Parison 3-5 points by SINCO.
2) MOOG 100 points.
3) BECKHOFF for 100-400 points.
4) B&R for 100-200 points.





MAP SALES AGENT



A WORD FROM THE MANAGEMENT

Starting a successful business means that it must be adaptable to external factors. The organization must also know its strengths and weaknesses.

The important thing to consider is the ability of the organization to adapt to changing environments. Furthermore, continue business development is key in order to keep up with consumer demands.

If these strategies are applied in doing business, it will surely be successful.

OUR AWARDS



- Thailand Trust Mark
- Logistics Efficency Management
- Global Group ISO9001:2015
- Green Industry
- IX International Asia Award
- III International Award for the Technological Innovation
- II International Award for the Technological Innovation
- Thailand Diversity & Refinement











SINCO TECHNOLOGY CO., LTD.

CATALOGUE

AUSTRALIA
PBE-ROBOPLAS SALES & SERVICE PTY LTD.
Mr. Gerald Frutschi
Tel : 61-2-9674-6511
Fax : 61-2-9624-1317
E-mail : sales@pbe-roboplas.com.au
Website : www.pbe-roboplas.com.au

ECUADOR
IMOCOM ECUATORIANA CIA, LTDA.
Mr. Mauricio Penuela M.
Mr. Silvia Abad Lucero
Tel : 593-4-2628756, 593-4-2626218
Fax : 593-4-2628170
E-mail : mpenuela@imocom.com
E-mail : sabad@imocom.com
Website : www.imocom.com.ec

COLOMBIA
IMOCOM S.A.
Mr. Miguel Duran
Tel : 57-1-417-4730-1
Fax : 57-1-261-6019
Email :mduran@imocom.com.co
Website : www.imocom.com.co

JAPAN
GREEN FIELD CO., LTD.
Mr. S.Teraoka
Tel : 81-45-823-8575
Fax : 81-45-825-3278
E-mail : s.teraoka@nifty.com

SINGAPORE
PLASTECHNIC MARKETING PTE. LTD.
Mr. Roger Kwok
Tel : 65-6281-5600
Fax : 65-6285-3183
E-mail : roger@plastechnic.com
Website : www.plastechnic.com

GUATEMALA
REPRESENTACIONES INDUSTRIALES ALCAST
Mr. Alfredo Castaneda
Tel : 502-2221-9018
Fax : 502-5550-7618 / 3139-6690
E-mail : aca.alcast@yahoo.com
E-mail : alcast.ac@gmail.com
Website : www.novacom.com.gt

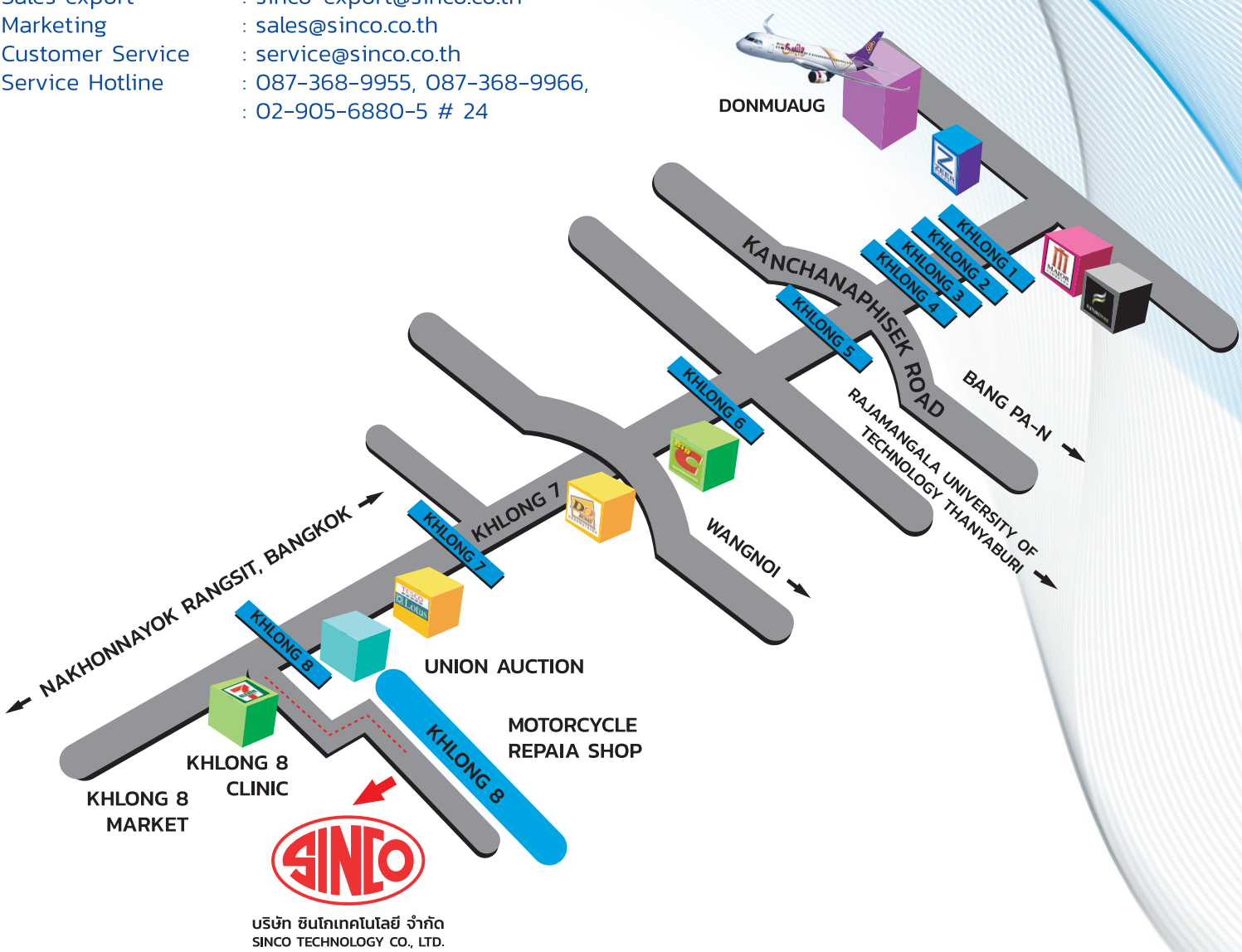
U.S.A.
POLY-TAINER, INC.
Mr. Paul Strong
Tel : 1-805-526-3424
Fax : 1-805-526-3430
E-mail : pstrong@polytainer.com
Website : www.polytainer.com

บริษัท ซินโกเทคโนโลยี จำกัด
SINCO TECHNOLOGY CO., LTD.

MAP

CONTACT

Sales export : sinco-export@sinco.co.th
Marketing : sales@sinco.co.th
Customer Service : service@sinco.co.th
Service Hotline : 087-368-9955, 087-368-9966,
: 02-905-6880-5 # 24



SINCO TECHNOLOGY CO., LTD.

76 Moo 3, Buangbon, Nongsuae, Pathumthani, 12170 (Thailand)
Tel : (66) 2-905-6880-5 Fax : (66) 2-905-4909-10, (66) 2-905-4880

www.sinco.co.th