

PARKER

Reliability and Quality...
*only **PARKER***



Series **PK-CS/CD/CS3/CS4**

(Single Station) (**S**ingle / **D**ouble / **T**riple / **Q**uadruple Head)
(Horizontal Operated Clamping System)

Extrusion Blow Molding Machine



P A R K E R P L A S T I C M A C H I N E R Y C O . , L T D .

■ Features:

1. Built with safety devices to provide maximum protection for the machine operator.
2. High plasticizing capacity extrusion screw is designed to handle material variations.
3. Plasticizing screw and barrel is precision machined from special nitrogen treated steel.
4. Water cooling technology controls feed zone temperature.
5. Chiller circulated hydraulically controlled blow-pin.
6. Pneumatically operated automatic deflashing unit.
7. When requiring both functions in a single machine, purchase the machine for PVC application and order the additional parts (screw and die head) for conversion to PE application.

Check these outstanding features and see PARKER advance blow molding concepts.



Specifications

MODEL	UNIT	PK40C				PK45C				PK55C				PK65C			
Material To Be Used		PE / PP				PE / PP				PE / PP				PE / PP			
PRODUCT		S	D	S3	S4	S	D	S3	S4	S	D	S3	S4	S	D	S3	S4
Product Volume (Min/Max)	cc	100-500	50-200	30-100	5-50	300-1L	100-500	20-300	30-100	500-2L	300-1L	100-500	50-200	2L-5L	500-2L	300-1L	100-500
Product Dia. (Min/Max)	mm	15-90	10-80	10-50	10-30	20-100	20-80	10-65	10-60	30-130	30-100	10-80	10-60	50-180	50-120	25-100	10-80
Product Max. Weight	g																
EXTRUDER																	
Screw Diameter	mm	40				45				55				65			
L/D		22:1				24:1				24:1				24:1		26:1	
Screw-speed Range (PE/PP)	RPM	20-70				20-70				20-70				20-70		20-70	
Induction Motor+Inverter	HP	5(7.5)				10(15)				15(20)				20(25)		30	
Max. Extruding Output / Per Hour	kgs	10(15)				20(30)				30(40)				40(50)		60	
Barrel Heating Zone	zone	2				3				3				4		4	
Barrel Heating Capacity	kw	3.8				4.9				7.4				11.6		13.6	
DIE HEAD																	
Twin Cavity Center Distance	mm	×	100	85	80	×	100	85	80	×	120	100	80	×	140	120	100
Heating Zone	zone	2	3	5	8	3	3	5	8	3	3	5	8	5	4	4	7
Heating Capacity	kw	2.4	4.1	5	9.3	3.3	3.6	5	9.3	5.6	4.2	5	9.3	7.8	5.8	9	11.5
MOLD PLATEN																	
Clamping Force	Ton	2.3		6.5		5.5		6.5		6.5		6.5		10.5		10.5	
Max. Opening Stroke	mm	280		410		330		410		410		410		550		550	
Min. Clamping Stroke	mm	60		140		110		140		140		140		185		185	
Platen Size (W×H)	mm	236×215		320×275		250×290		320×275		320×340		320×275		350×410		460×430	
Carriage Stroke	mm	Ø35×250		Ø40×410		Ø40×280		Ø40×410		Ø40×350		Ø40×410		Ø40×410		Ø50×520	
HYDRAULIC SYSTEM																	
Pump Motor	HP	7.5		15		15		15		15		15		20		30	
Pump Pressure	kg/cm²	140		160		160		160		160		160		160		160	
Air Pressure	kg/cm²	5-7		5-7		5-7		5-7		5-7		5-7		5-7		5-7	
Air Volume	NL/Min	250		500		500		500		500		500		600		750	
Oil Tank Capacity	gallon	38		61		61		61		61		61		61		107	
Total Power Consumption	kw	17.1	18.8	25.3	28.4	28.5	28.8	30.2	34.5	37	35.6	36.4	40.7	50.9	48.9	69.1	71.6
Average Power Consumption	kw	8.55	9.4	12.65	14.2	14.25	14.4	15.1	17.25	18.5	17.8	18.2	20.35	25.45	24.45	34.55	35.8
Machine Weight	Ton	3	3.2	4.1	4.2	4	4.1	4.2	4.3	5	5.1	5.2	5.3	6.1	6	6.2	6.3

*All specifications and designs are subject to change without notice.

■ Computerized Control System



■ Control system with Parison wall thickness controller (100 points)(Made in Japan)

■ COMPUTERIZED CONTROL FEATURES:

1. 10.4" Colorful LCD Touch Screen with human-machine interface control system
2. Easy parameter setting by keypad or touch panel
3. Multy layer password setting for different work level
4. 24 Point PID thermo control for energy conservation
5. Support for proportional pressure or flow and pressure servo control
6. Input for safety and position monitoring and output for process control
7. Module memory can store 40 sets and USB for spare memory
8. The screen is color display with touch panel for long service life the operator may enter data on the screen and monitor the dynamic value of the machine
9. All motion input and output points are displayed on the screen for easy identification and servicing
10. Warning message are displayed on the screen providing fast convenient trouble Shooting
11. Multy fast pages for connivance to show the operation page by each keypad
12. Multy manual push bottom for testing and calibrate the motion
13. The heating, hydraulic, pneumatic and motion detection systems are equipped. With function boxes for easy maintenance convenient troubleshooting and parts replacement
14. The optional module join or move out at next circulation by manual in auto mode. For production stably
15. Auto home reset by auto push bottom before into auto circulation
16. The control system is designed for maximum operator safety

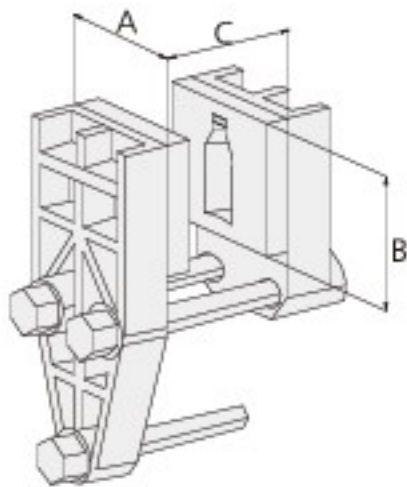
Specifications

MODEL	UNIT	PK75C				PK90C				PK100C			
Material To Be Used		PE / PP				PE / PP (Toggle)				PE / PP (Toggle)			
PRODUCT		S	D	S3	S4	S	D	S3	S4	S	D	S3	S4
Product Volume (Min/Max)	cc	4L-10L	1L-3L	500-2L	300-1L	10L-25L	2L-5L	1L-3L	500-2L	10L-30L	2L-5L	1L-3L	500-2L
Product Dia. (Min/Max)	mm	70-220	40-140	30-120	20-80	150-300	80-220	50-160	30-120	150-300	80-220	50-180	30-120
Product Max. Weight	g												
EXTRUDER													
Screw Diameter	mm	75				90				100			
L/D		24:1				28:1				28:1			
Screw-speed Range (PE/PP)	RPM	20-70				20-65				20-65			
Induction Motor+Inverter	HP	40				60(75)				100(120)			
Max. Extruding Output / Per Hour	kgs	80				120(150)				200(250)			
Barrel Heating Zone	zone	3				4				5			
Barrel Heating Capacity	kw	14				21.6				32			
DIE HEAD													
Twin Cavity Center Distance	mm	×	160	140	100	×	225 / 250	160 / 180	120 / 140	×	250	200	140
Heating Zone	zone	5	4	5	7	5	7	10	13	5	7	10	13
Heating Capacity	kw	10.4	6.6	9.2	12.2	20	16.3	12.2	16.4	24	30	33	25
MOLD PLATEN													
Clamping Force	Ton	15.5				18 / 21.5				21.5 / 30			
Max. Opening Stroke	mm	660				660 / 900				660 / 950			
Min. Clamping Stroke	mm	220				220 / 300				220 / 400			
Platen Size (W×H)	mm	460×430 / 460×485(Toggle)				520×485 / 600×485 / 600×660				600×485 / 600×660			
Carriage Stroke	mm	Ø50×520				Ø50×580 / Ø50×720				Ø50×720			
HYDRAULIC SYSTEM													
Pump Motor	HP	30				40				40			
Pump Pressure	kg/cm ²	160				160				180			
Air Pressure	kg/cm ²	6-8				6-8				6-8			
Air Volume	NL/Min	1200				1500				1500			
Oil Tank Capacity	gallon	107				107				107			
Total Power Consumption	kw	78.4	74.6	77.2	80.4	118.1	112.4	108.1	110.3	136.8	131.1	126.8	129.5
Average Power Consumption	kw	39.2	37.3	38.6	40.2	59.05	56.2	54.05	55.15	68.4	65.5	63.4	64.75
Machine Weight	Ton	7.1	7	7.2	7.3	10.3	10.1	10	10.2	11.1	10.9	10.8	11

*All specifications and designs are subject to change without notice.

■ Mold Dimensions

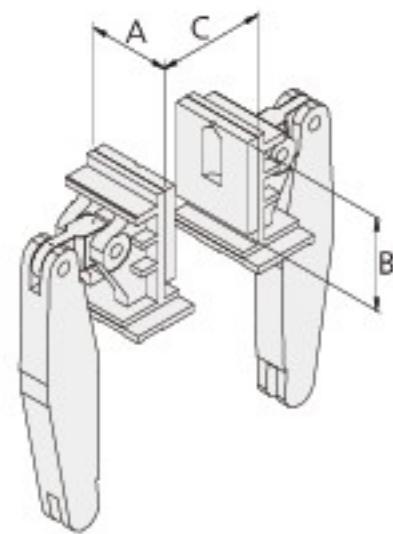
(3 TIE BARS)



Unit:m/m

SIZE	W	H	Max. Opening	Min. Clamping
MODEL	A	B	C	
PK40 CS / CD	236	215	280	60
PK45 CS / CD	250	290	330	110
PK55 CS / CD	320	340	410	140
PK65 CS / CD	350	410	550	185
PK75 CS / CD	460	430	660	220
PK75 CS / CD (TOGGLE)	460	485	660	220
PK90 CS / CD (TOGGLE)	520	485	660	220
	600	485	660	220
	600	660	900	300
PK100 CS / CD (TOGGLE)	600	485	660	220
	600	660	950	400

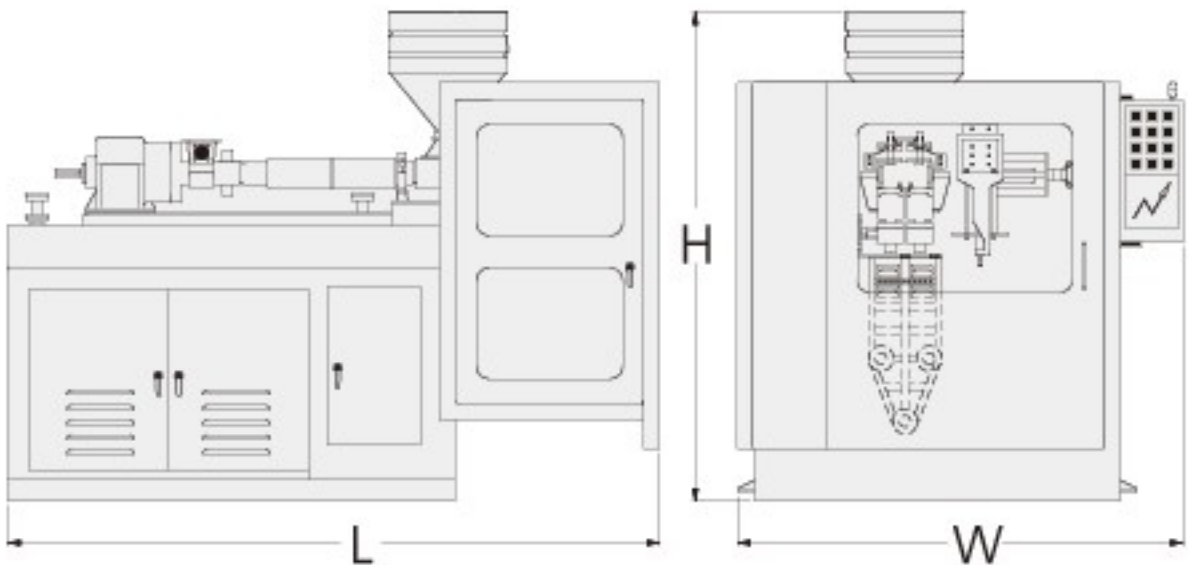
(TOGGLE TYPE)



SIZE	W	H	Max. Opening	Min. Clamping
MODEL	A	B	C	
PK40 CS3 / CS4	320	275	410	140
PK45 CS3 / CS4	320	275	410	140
PK55 CS3 / CS4	320	275	410	140
PK65 CS3 / CS4	460	430	550	185
PK75 CS3 / CS4	460	430	660	220
PK75 CS3 / CS4 (TOGGLE)	460	485	660	220
PK90 CS3 / CS4 (TOGGLE)	520	485	660	220
	600	485	660	220
PK100 CS3 / CS4 (TOGGLE)	600	485	660	220

■ Machine Dimensions

Unit:m/m



MODEL	SIZE	L	W	H
PK40 CS / CD		3020	1420	2200
PK45 CS / CD		3000	1700	2200
PK55 CS / CD		3300	1910	2270
PK65 CS / CD		3500	1910	2400
PK75 CS / CD		4000	2000	2600
PK75 CS / CD (TOGGLE)		4200	2510	3060
PK90 CS / CD (TOGGLE)		5000	4000	3400
PK100 CS / CD (TOGGLE)		5500	4500	4000

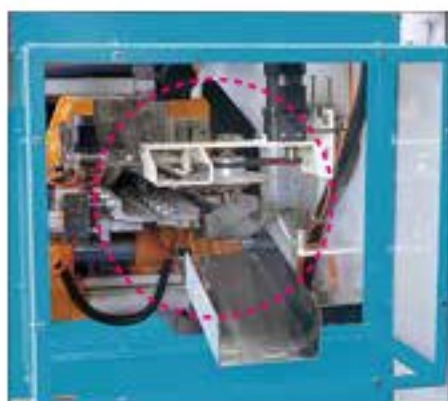
MODEL	SIZE	L	W	H
PK40 CS3 / CS4		3000	1700	2200
PK45 CS3 / CS4		3300	1910	2270
PK55 CS3 / CS4		3300	1910	2270
PK65 CS3 / CS4		3700	2200	2500
PK75 CS3 / CS4		4000	2000	2600
PK75 CS3 / CS4 (TOGGLE)		4200	2510	3060
PK90 CS3 / CS4 (TOGGLE)		5000	4000	3400
PK100 CS3 / CS4 (TOGGLE)		5500	4500	4000

■ PE Machine Applications: PE / PP

■ PVC Machine Applications: PVC / PC / PETG / NYLON

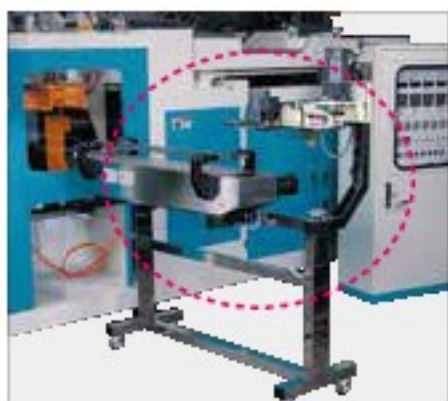
(When requiring both functions in a single machine, only order screw and die head for conversion to other applications.)

Optional Equipment



■ Type B

Cutting device for wide-neck container.



■ Type C

Cutting device for wide-neck container (with transfer system)



■ Type D

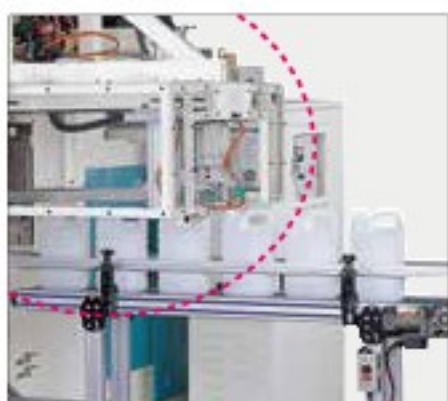
Cutting device for wide-neck container (Cutting and standing on the conveyor)



Over-Flow punching device.



■ Product aligning equipment.



■ Robot arm - 1 axis.



■ Robot Arm (2 axis) (Servo Control)



■ Robot Arm (3 axis) + Conveyor for finished product in the middle of machine



■ Blow-nozzle sealing device for parison.



■ Parison wall thickness controller for PE type machine (100 points) (Moog) (Made in Japan)



■ B&R HMI Controller (Made in Austria)



■ Central lubrication system.



■ Static Remover (Eliminator).



■ Post Cooling.



■ Power Saving Pump.



■ Leak tester.



■ In-Mold Labelling Equipment.



■ Angled Type Conveyor for waste material (Plank Type)



■ Flat Conveyor for waste material (Plank Type)

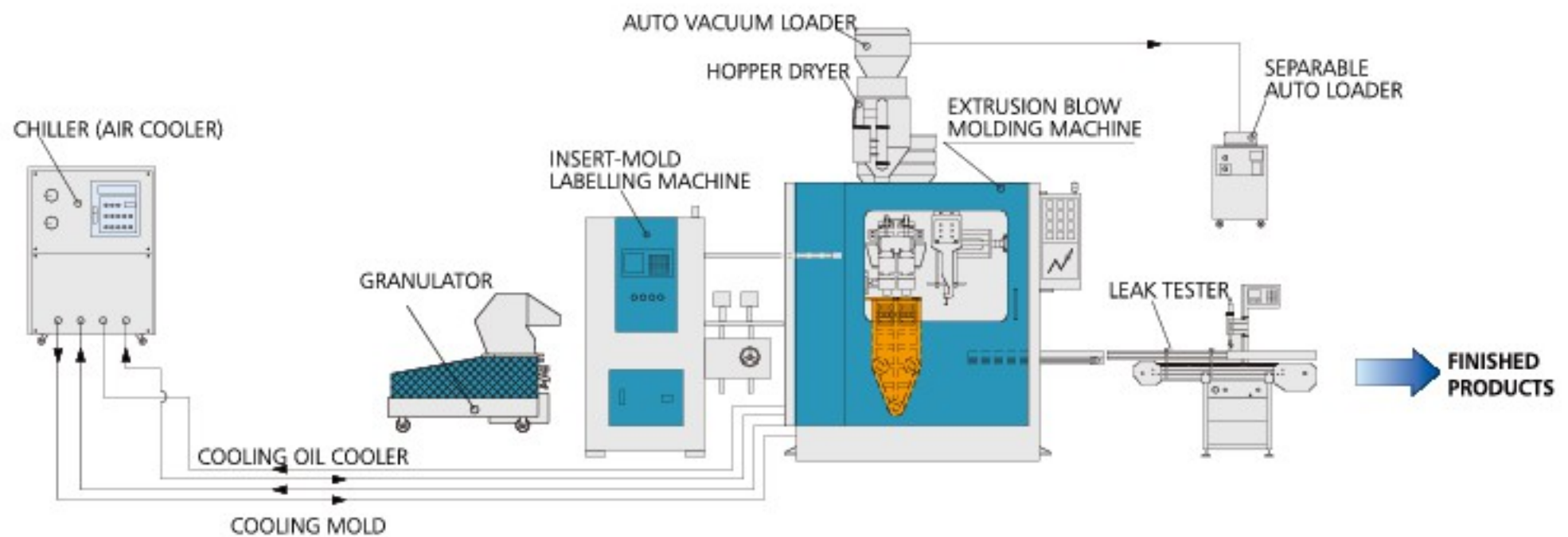


■ Bottle transfer for third vice mold clip.

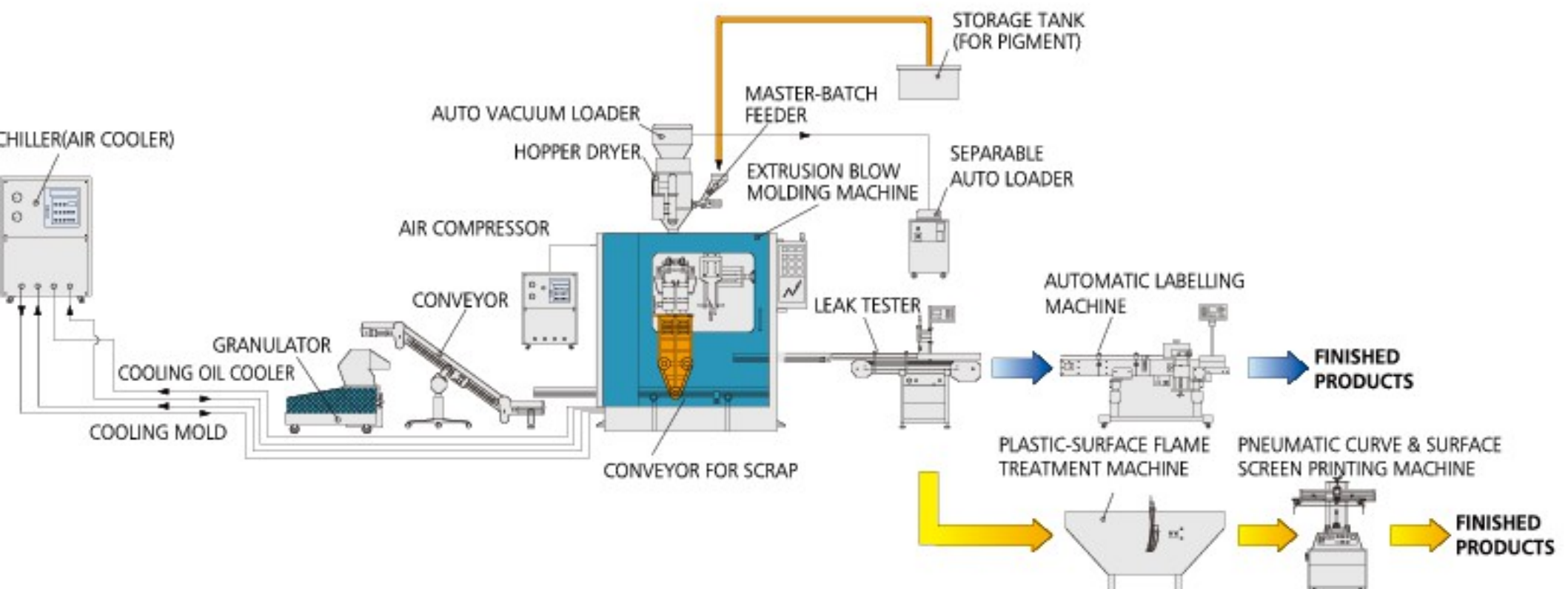
Auxiliary Equipment

- Auto Vacuum Loader
- Hopper Dryer
- Chiller (Water Cooler/air Cooler)
- Cooling Tower
- Air Compressor
- Conveyor
- In-Mold Labelling Machine
- Granulator
- Mixer
- Dosing Unit
- Leak Tester
- Labelling M/c
- Mold
- Gravimetric Batch Blenders

Turnkey Extrusion Blow Molding Solution (I)



Auxiliary Equipment of Extrusion Blow Molding Machine (II)



PARKER PLASTIC MACHINERY CO., LTD.

ADD: No.6, Aly. 26, Ln, 198, Minsheng Rd., Wufeng Dist., Taichung City 413, Taiwan

TEL: +(886) 4-23396828 FAX: +(886) 4-23394679

E-MAIL: parker@tcts.seed.net.tw / pk02@ms6.hinet.net

<http://www.parker.com.tw>

