

PARKER

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



Series **PK-CTS/CTD/CT3/CT4**

(Twin Station) (Single / Double / Triple / Quadruple 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

- Double Station
- Single / Double / Triple / Quadruple..8 Head
- Production Volume: 2ml~35L
- Multi layers: Co-Extrusion
- Multi cavities: 1~8 cavities
- Specialize for the PE / PP / PETG / PVC / Nylon / Co-Extrusion material
- Special function: View Stripe
- Clamping System: Toggle / 3 Tie Bar / 4 Tie Bar
- Driven Model: Hybrid Servo Motor Drive System/ High Performace Hydralucic Power Saving System / Close Loop Proportional Valve
- Support Parison Controller / Auto Deflasing / Auto Recycling / Auto Material Feeder / Remote Trouble Shooting Funciton / IML



Specifications

MODEL	UNIT	PK45CT				PK55CT				PK65CT				PK75CT			
Material To Be Used		PE / PP				PE / PP				PE / PP				PE / PP			

PRODUCT		S	D	3	4	S	D	3	4	S	D	3	4	S	D	3	4
Product Volume (Min/Max)	cc	100-500	50-200	30-100	5-50	300-1L	100-500	50-200	30-100	500-2L	300-1L	100-500	50-200	2L-5L	500-2L	300-1L	100-500

EXTRUDER

Screw Diameter	mm	45				55				65				75			
L/D		26:1				26:1				26:1				26:1			
Induction Motor+Inverter	HP	15(20)				20(25)				25(30)				40			
Max. Extruding Output / Per Hour	kgs	30(40)				40(50)				50(60)				80			

DIE HEAD

Cavity Center Distance	mm	×	100	85	80	×	100	85	80	×	120	100	85	×	140	120	100
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MOLD PLATEN

Clamping Force	Ton	6.5				6.5				6.5 / 10.5				10.5 / 15.5(Toggle)			
Max. Opening Stroke	mm	330				330				410				550			
Min. Clamping Stroke	mm	80				80				140				185			
Platen Size (W×H)	mm	250×290		320×275		250×290		320×275		350×410		350×340		460×430 / 460×485(Toggle)			
Carriage Stroke	mm	Ø40×320		Ø40×410		Ø40×320		Ø40×410		Ø40×450		Ø40×450		Ø50×520			

HYDRAULIC SYSTEM

Air Pressure	kg/cm ²	5-7				5-7				5-7				5-7			
Air Volume	NL/Min	500				500				600				900			
Total Power Consumption	kw	35.2	36.4	37.8	42.1	42.9	43.6	44.6	48.9	58.8	57.4	58.2	62.5	78.3	76.5	78.8	80.4
Average Power Consumption	kw	17.6	18.2	18.9	21.05	21.45	21.8	22.3	24.45	29.4	28.7	29.1	31.25	39.15	38.25	39.4	40.2

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

Computerized Control System



■ Control System with Moog
Parison Wall Thickness Controller
(100 Point) (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. Multi 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. Multi fast pages for connivance to show the operation page by each keypad
12. Multi 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

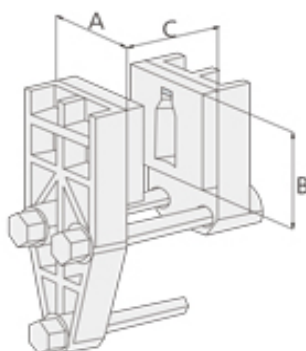
Specifications

MODEL	UNIT	PK90CT				PK100CT				PK110CT				TPK120CT			
Material To Be Used		PE / PP (Toggle)				PE / PP (Toggle)				PE / PP (Toggle)				PE / PP (Toggle)			
PRODUCT		S	D	3	4	S	D	3	4	S	D	3	4	S	D	3	4
Product Volume (Min/Max)	cc	4L-10L	1L-3L	500-2L	300-1L	10L-20L	2L-5L	1L-3L	500-2L	10L-25L	2L-5L	1L-3L	500-2L	10L-30L	2L-5L	1L-3L	500-2L
EXTRUDER																	
Screw Diameter	mm	90				100				110				120			
L/D		28:1				28:1				28:1				30:1			
Induction Motor+Inverter	HP	60(75)				100				125				150			
Max. Extruding Output / Per Hour	kgs	120(150)				200				250				300			
DIE HEAD																	
Cavity Center Distance	mm	×	180	140	120	×	250	160	140	×	250	160	140	×	250	160	140
MOLD PLATEN																	
Clamping Force	Ton	15.5 / 18				18 / 21.5				18 / 21.5				21.5			
Max. Opening Stroke	mm	550 / 660				550 / 660 / 900				550 / 660 / 900				660 / 900			
Min. Clamping Stroke	mm	185 / 220				185 / 220 / 300				185 / 220 / 300				220 / 300			
Platen Size (W×H)	mm	520 x 485				600 x 485 / 600 x 660				600 x 485 / 600 x 660				600 x 485 / 600 x 660			
Carriage Stroke	mm	Ø50 x 580				Ø50 x 720				Ø50 x 720				Ø50 x 720			
HYDRAULIC SYSTEM																	
Air Pressure	kg/cm²	5-7				5-7				5-7				5-7			
Air Volume	NL/Min	1500				1500				1500				1500			
Total Power Consumption	kw	120.9	123.2	115.2	118.9	148.8	146.6	142.5	146.7	152.2	150	145.9	150.1	171	168.8	164.7	168.9
Average Power Consumption	kw	60.45	61.6	57.6	59.45	74.4	73.3	71.25	73.35	76.1	75	72.95	75.05	85.5	84.4	82.35	84.45

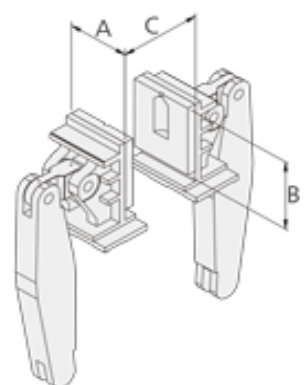
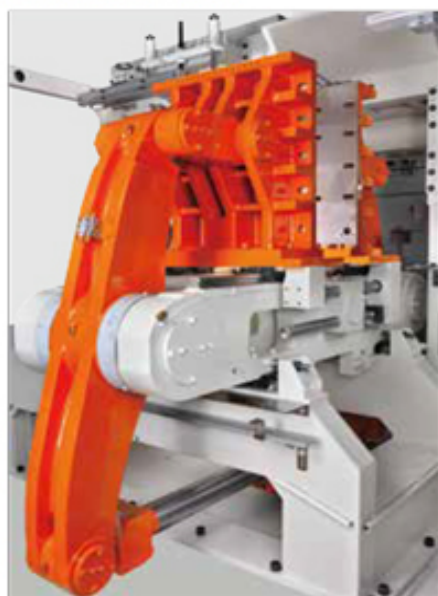
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■ Mold Dimensions

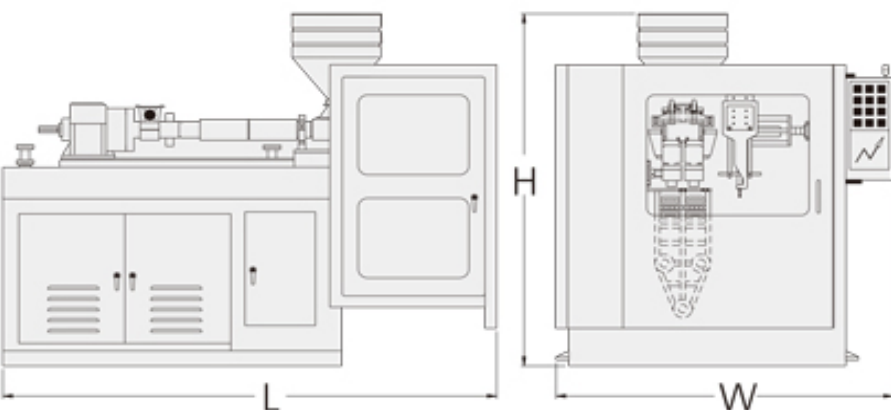
■ 3 TIE BARS



■ TOGGLE TYPE



■ Machine Dimensions



- 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.)

Unit:m/m

MODEL	W	H	Max. Opening	Min. Clamping
	A	B	C	
PK45 TS / TD	250	290	330	80
PK55 TS / TD	250	290	330	80
PK65 TS / TD	350	410	410	100
PK75 TS / TD	460	430	550	185
PK75 TS / TD (TOGGLE)	460	485	550	185
PK90 TS / TD (TOGGLE)	520	485	550	185
	520	485	660	220
PK100/110 TS / TD	600	485	550	185
(TOGGLE)	600	485	660	220
	600	660	900	300
PK120 TS / TD (TOGGLE)	600	485	660	220
	600	660	900	300

MODEL	W	H	Max. Opening	Min. Clamping
	A	B	C	
PK45 T3 / T4	320	275	330	80
PK55 T3 / T4	320	275	330	80
PK65 T3 / T4	350	340	410	100
PK75 T3 / T4	460	430	550	185
PK75 T3 / T4 (TOGGLE)	460	485	550	185
PK90 T3 / T4 (TOGGLE)	520	485	550	185
	520	485	660	220
PK100/110 T3 / T4 (TOGGLE)	600	485	550	185
	600	485	660	220

Unit:m/m

MODEL	L	W	H
PK45 TS / TD	3300	2000	2350
PK55 TS / TD	3300	2000	2500
PK65 TS / TD	4000	2860	2600
PK75 TS / TD	4200	3160	2900
PK75 TS / TD (TOGGLE)	4600	2800	3400
PK90 TS / TD	4700	3400	2900
PK90 TS / TD (TOGGLE)	5100	3200	3300
PK100 TS / TD (TOGGLE)	5600	3960	3400
PK110 TS / TD (TOGGLE)	6000	3960	3400
PK120 TS / TD (TOGGLE)	6400	3960	3400

MODEL	L	W	H
PK45 T3 / T4	3400	2600	2350
PK55 T3 / T4	3400	2600	2500
PK65 T3 / T4	4100	3160	2600
PK75 T3 / T4	4200	3160	2900
PK75 T3 / T4 (TOGGLE)	4600	2800	3400
PK90 T3 / T4	4700	3400	2900
PK90 T3 / T4 (TOGGLE)	5100	3200	3300
PK100 T3 / T4 (TOGGLE)	5600	3960	3400
PK110 T3 / T4 (TOGGLE)	6000	3960	3400
PK120 T3 / T4 (TOGGLE)	6400	3960	3400

Optional Equipment



■ **Type B**
Cutting Device
for Wide - Neck
Container



■ **Type C**
Cutting Device
for Wide - Neck
Container (With
Transfer System)



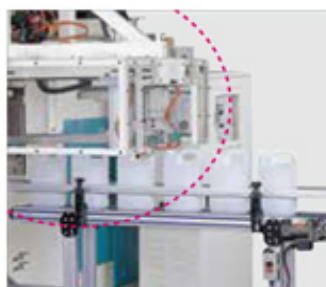
■ **Type D**
Cutting Device
for Wide - Neck
Container (Cutting
And Standing On
The Conveyor)



■ **Over-flow
Punching Device**



■ **Product Aligning Equipment**



■ **Robot Arm (1 axis)**



■ **Robot Arm (2 axis)
(Servo Control)**



■ **Robot Arm (3 axis)
(Servo Control)**



■ **Blow-Nozzle Sealing Device
for Parison**



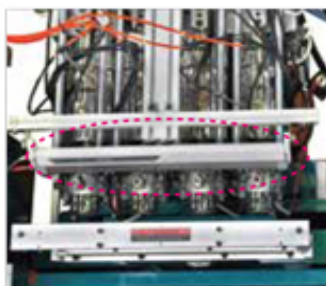
■ **Parison Wall Thickness
Controller (Moog) (100 points)
(Made in Japan)**



■ **B&R HMI Controller
(Made in Austria)**



■ **SIEMENS HMI Controller
(Made in Germany)**



■ **Static Remover (Eliminator)**



■ **Post Cooling**



■ **Power Saving Pump**



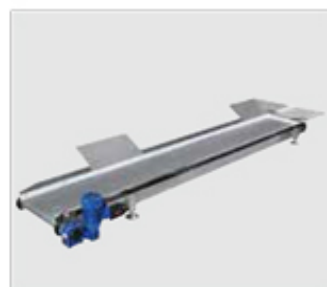
■ **Central Lubrication System**



■ **In-Mold Labelling Equipment**



■ **Angled Type Conveyor for Waste
Material (Plank Type)**



■ **Flat Conveyor for Waste Material
(Plank Type)**

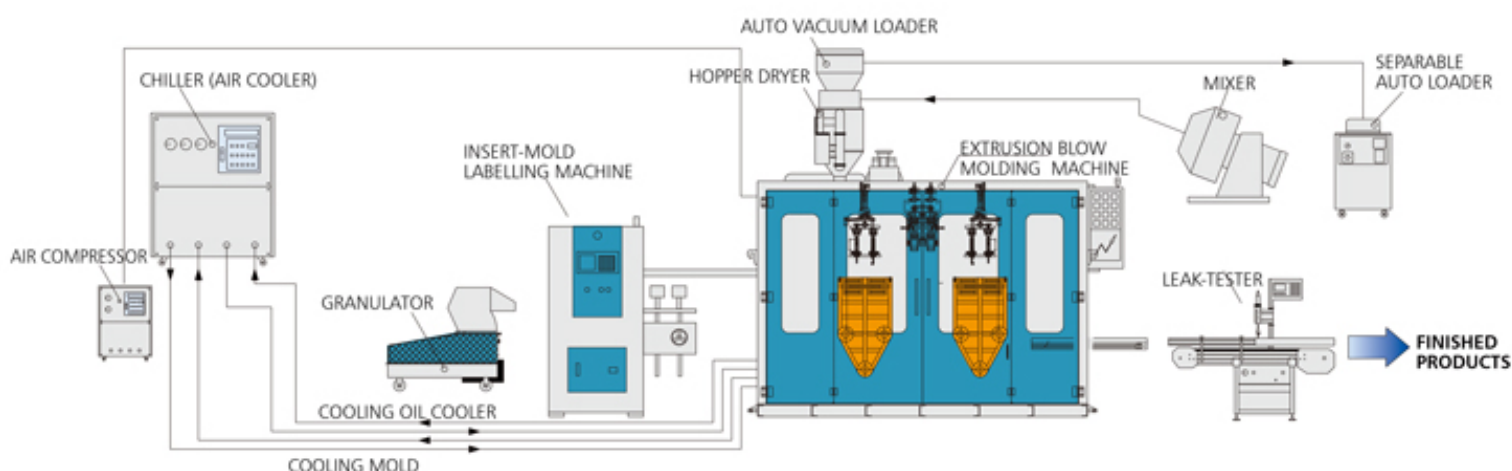


■ **Leak tester**

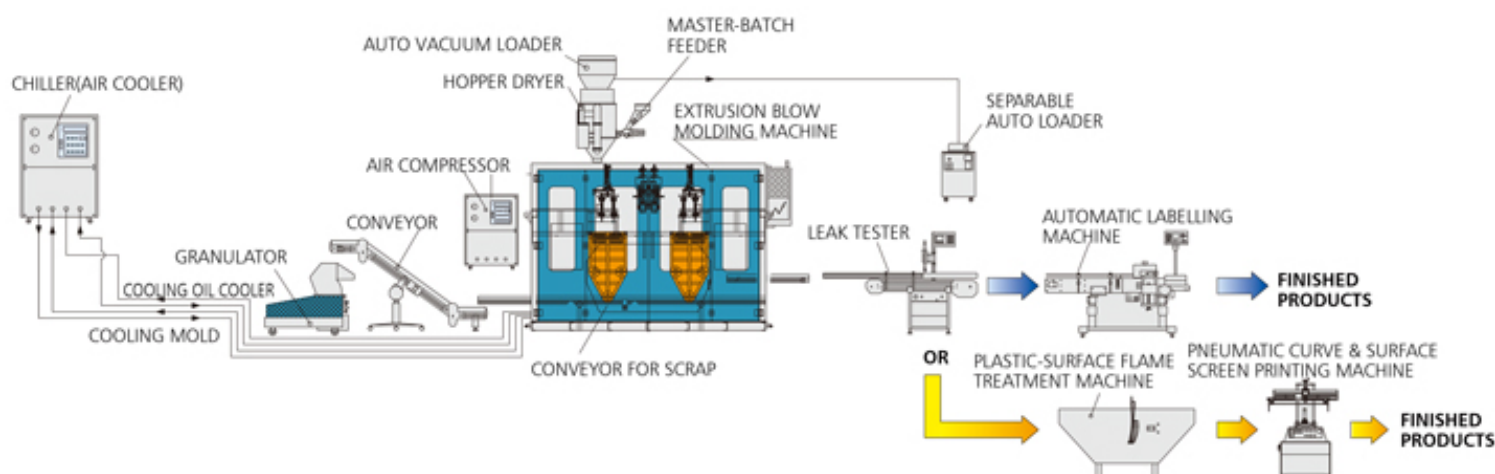
Auxiliary Equipment

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

Turnkey Extrusion Blow Molding Solution (I)



Auxiliary Equipment of Extrusion Blow Molding Machine (II)



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