

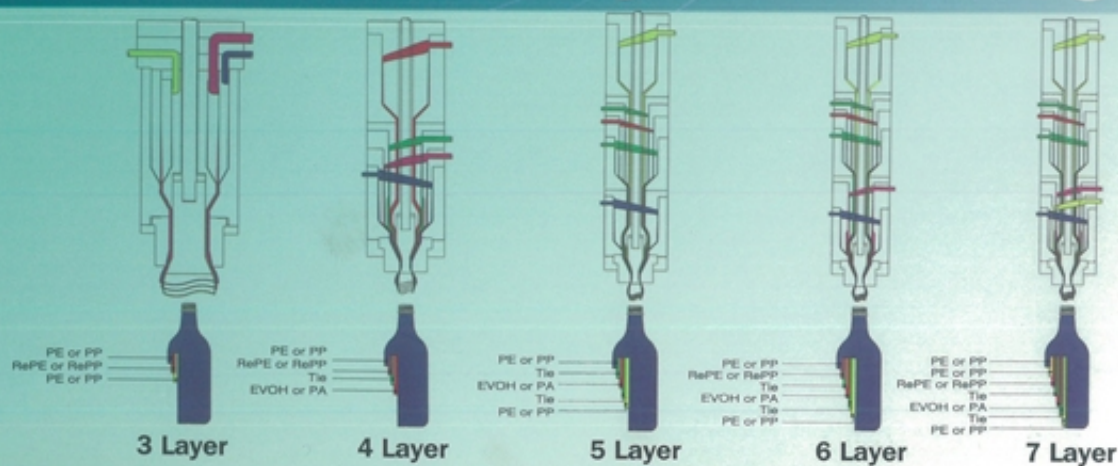


EXTRUSION
ISO 9001-2000



HBA series

Co-Extrusion Multi Layer Blow Moulding Machine



HBAseries I

Available with Single Head & Multiple Head, Single Station & Double Station

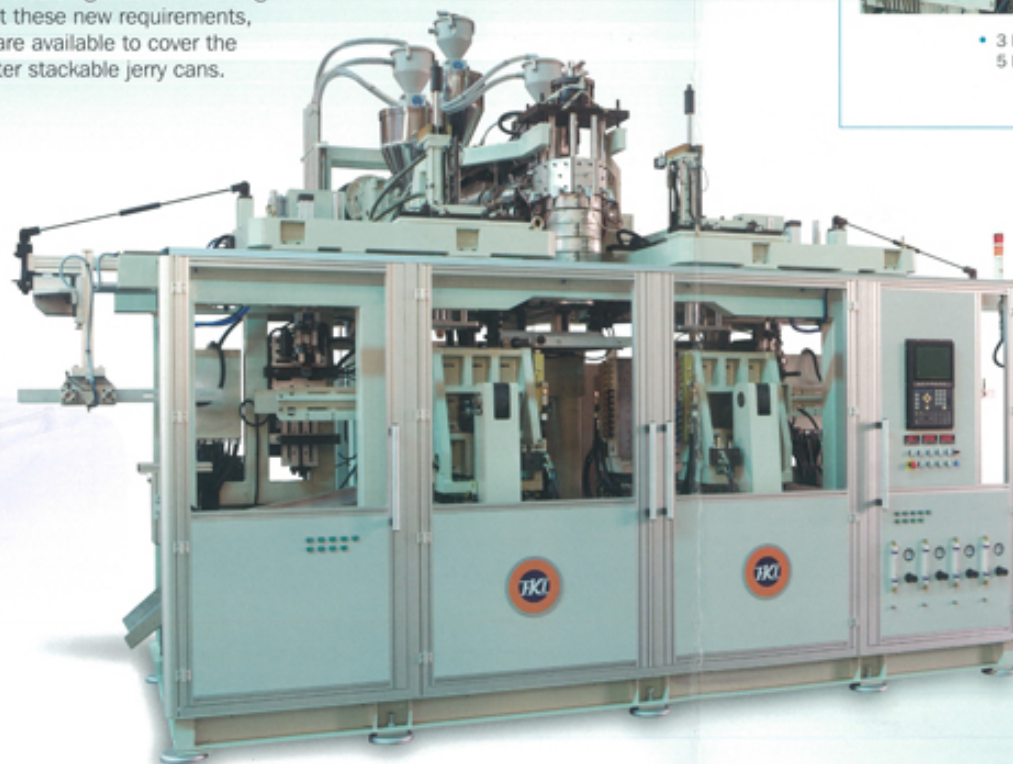
Full Options: View Stripe, Material Auto Dosing System, Residue Recycle & Feed Back System, Finished Bottle Merge Conveyor, In Line Leak Detector, Etc.

Due to high oil prices and material costs for plastic containers becoming so high and unaffordable, the industry has been forced to try all means to make use of higher percentages of regrind material as well as to keep the layer with pure virgin material at the lowest possible thickness. Material costs as well as the master batch can be dramatically reduced without compromising the packaging quality and its appearance.

The co-extrusion multi layer blow moulding machine is being introduced to the market to meet these new requirements, both single and double stations are available to cover the range from small bottles to 30 liter stackable jerry cans.

Main Features:

- All extruders are fixed on a common platform with height adjustable by motor.
- Extruding die head with special channel design for smooth and even flow, giving stable layer distribution and quick color change.
- Clamp travels on linear bearings with closed loop control through proportional valves.
- All linear bearings with self lubrication system as standard.
- Free access for mold change by just moving away the blow pin unit.
- User-friendly control system, easy pick up and maintenance, with additional function for monitoring in office or via the internet.
- 100 points parison programming system with MOOG servo valve.
- In-Line auto deflashing device with residue slide chute.

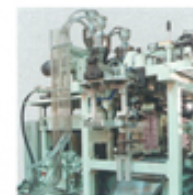


Model
FK/HBA-55/75/55CT25SD

3 Layers, up to 25 liters, Single Head Double Station



• 3 Extruders for 3 Layers
5 Extruders for 7 Layers



• Co-extruding die head up to 7 layers.

• Product take out unit with in-line auto deflashing device, residue slide chute.



Model
FK/HBA-50/40/20/20-T06SS

7 Layers, up to 2 liters, Single Head Single Station

Specifications

HBA series

Model	UNIT	HBA-55/75/55CT25SD			HBA-50/40/20/20/20-T06SS				
Product volume	Liter	25(max.)			6(max.)				
Extruder									
Extruder		A	B	C	A	B	C	D	E
Screw diameter	mm	55	75	55	50	40	20	20	20
Screw L/D		24	24	24	28	28	28	27	27
Main drive	hp	30	60	30	15	10	1	1	2
Barrel cooling	w	560 x 2	560 x 3	560 x 2	200 x 4	200 x 4	50 x 2	50 x 2	50 x 2
Heating zone		2	3	2	4	4	2	2	2
Barrel heating capacity	kw	8.8	17.4	8.8	9.2	7.2	2.5	2.3	2.3
Extrusion output (max.)	kg/hr	240			60				
Multi-layer continuous head		(I) Virgin HDPE+MB 20-25%	(M) Virgin HDPE+Regrind 50-60%	(O) Virgin HDPE+MB 20-25%	(L2 & L7) Virgin HDPE 12% + 38%	(L3) Regrind HDPE 38%	(L5) EVOH 3%	(L4&L6) AD 2% + 2%	(L1) Virgin HDPE + MB 5%
Heating zone		5+1+1+1			4+1+1+1+1+1+1+1				
Heating capacity	kw	28			20				
Die lip diameter (max.)	mm	200			82				
Clamping unit									
Series		CT25		CT26		T06			
Type		Single station	Double station	Single station	Double station	Single station			
Clamping force	ton	25	25	25	25	12			
Clamping distance	mm	340-850	340-850	480-1000	480-1000	158-546			
Mould platen (height)	mm	630	630	630	630	470			
Mould platen (width)	mm	540	540	540	540	450			
Hydraulic unit									
Type		High & low pressure circuit with accumulator			High & low pressure circuit with accumulator				
Pump drive	hp	25+5		30+5		20+5			
Clamping pressure (max.)	kg/cm²	180		180		180			
Programmer pressure (max.)	kg/cm²	160		160		160			
Utilities	m³/hr								
Air consumption	kg/cm²	215-245		215-245		50-70			
Air pressure	kw	6-8		6-8		6-8			
Total power connected		171		186		116			
Average power consumption	kw/hr L/min	69		75		28			
Mould chilled water	L/min	200		200		100			
Cooling water		110		110		50			
Space for machine (LxWxH)	m	5.5 x 5.7 x 3.9		7.2 x 5.7 x 3.9		5.5 x 4 x 3.5			

+ All specifications, design and characteristics shown above are subject to change without prior notice.



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