



EXTRUSION
ISO 9001-2000



HIGH SPEED **HBA** Series
BLOW MOULDING MACHINE

High SPEED **HBA** Series Blow Moulding Machine

SINGLE HEAD . SINGLE STATION WITH IN-LINE AUTO DEFLASHING

CONTAINER SIZE FROM 10 LITER TO 30 LITER JERRY CAN

OPTION WITH VIEW STRIPE PROCESSING FUNCTION



FK/HBA75GT20SS



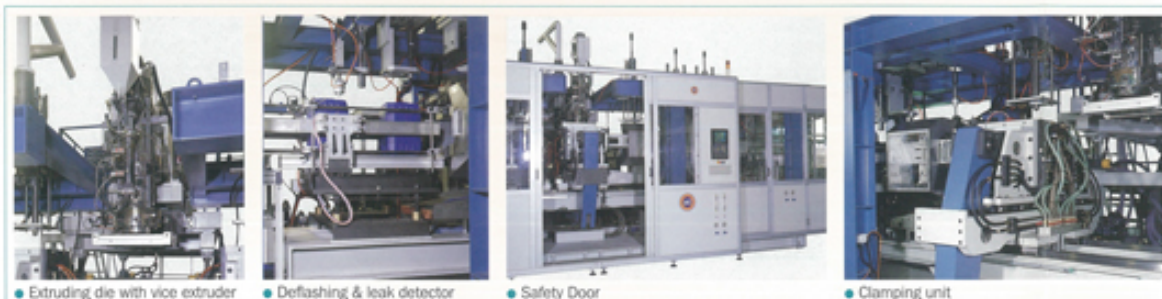
FK/HBA100GVT30SD

STANDARD FEATURES:

- > Extruder with grooved feeder and barrier screw design with mixing head, suitable to process high molecular weight blow mouldable grade HDPE.
- > Reduction helical gear box with thrust bearing of SKF brand ex Sweden, originally imported from Europe.
- > Main drive of DC or vector inverter control at buyer's option.
- > Extruding die of torpedo combined with offshoot design allows double layer flow distribution for even and uniform radial wall thicknesses and fast color change.
- > Cold cutting unit completed with pinch off device for pre-blow function. All operations are controlled by pneumatic system.
- > Linear rack bearing with self-lubrication system.
- > Closed loop proportional valves for the carriage stroke as well as the mould platen opening and closing.
- > In-line auto deflashing unit works in connection with the conveyor to handle residue.
- > Entire machine is controlled by multi-processor from Barber Colman, Maco 6000 with color touch screen operation monitor.
- > 100 points parison thickness control with mpog servo valve achieves high quality performance.
- > Safety door with interlock system for the electrical, pneumatic and hydraulic systems.
- > Extruder with nodding function for double station mould and horizontal carriage move.
- > Single station or Double station mould clamping unit positioned and sitting on liner rack bearing which gives high stability for horizontal movement and saves energy as the unit reaches the required clamping force.
- > In-line leak detector can also be combined for a total quality control mode.

OPTION DEVICE:

- > 25 mm extruder adapted to the extruding die for view stripe processing.
- > 3 or 4 components gravimetric auto dosing system.
- > Residue recycle granulator with in line conveyor.



● Extruding die with vice extruder

● Deflashing & leak detector

● Safety Door

● Clamping unit

TECHNICAL DATA:

MODEL	FK/HBA75GT20SS	FK/HBA75GT30SS	FK/HBA100GT20SD	FK/HBA100GT30SD
EXTRUDER				
Screw	Ø75 mm	Ø75 mm	Ø100 mm	Ø100 mm
L/D	30:1	30:1	30:1	30:1
Heating capacity	18 kw	18 kw	36 kw	36 kw
Barrel cooling	1/2 HP x 4	1/2 HP x 4	1/2 HP x 5	1/2 HP x 5
Temp. control	4 zones	4 zones	5 zones	5 zones
Main drive	75 HP	75 HP	125 HP	125 HP
Output	170 kg/hr	170 kg/hr	250 kg/hr	250 kg/hr
Screw speed	80 rpm	80 rpm	80 rpm	80 rpm
EXTRUDER DIE	SINGLE	SINGLE	SINGLE	SINGLE
Die lip diameter	As per sample(Max.180 mm)	As per sample(Max.200 mm)	As per sample(Max.180 mm)	As per sample(Max.200 mm)
Temp. control	5 zones	4 zones	5 zones	4 zones
Heating capacity	20 kw	25 kw	20 kw	25 kw
CLAMPING UNIT	SINGLE	SINGLE	DOUBLE	DOUBLE
Clamping force	22 ton	30 ton	22 ton	30 ton
Daylight	340~850 mm	480~1,000 mm	340~850 mm	480~1,000 mm
Platen dimensions (HxW)	540 x 540 mm	720 x 550 mm	540 x 540 mm	720 x 550 mm
Mould size allowance (HxW)	540 x 620 mm	720 x 630 mm	540 x 620 mm	720 x 630 mm
Carriage stroke	680 mm	920 mm	800 mm	920 mm
HYDRAULIC SYSTEM	With Accumulator	With Accumulator	With Accumulator	With Accumulator
Driving motor	30HP for mould clamp, 7.5HP for servo valve, 3HP for oil cooling			40HP for mould clamp, 7.5HP for servo valve, 3HP for oil cooling
UTILITIES				
Air consumption	1,900 L/min	2,200 L/min	3,800 L/min	4,400 L/min
Air pressure	6~8 bar	6~8 bar	6~8 bar	6~8 bar
Mould chilled water	28,000 kcal/hr	34,500 kcal/hr	56,000 kcal/hr	69,000 kcal/hr
Cooling water	15,000 kcal/hr	17,800 kcal/hr	25,000 kcal/hr	31,000 kcal/hr
Total power load	120 kw	130 kw	160 kw	180 kw
Average power load	72 kw/hr	78 kw/hr	96 kw/hr	108 kw/hr
Machine space (LxWxH)	5.8 x 4.8 x 4.1 M	6.6 x 6.5 x 4.6 M	5.8 x 8.4 x 4.2 M	6.8 x 9.2 x 4.6 M

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

®



An ISO 9001-2000 Company

鳳記國際機械股份有限公司

FONG KEE INTERNATIONAL MACHINERY CO., LTD.

HEAD OFFICE:

台南縣永康市正北一路168號

No. 168 Cheng Pei First Road,

Yuen-Kang City, Tainan, Taiwan.

TEL: +886-6-2532157-0, 2537211-4

FAX: +886-6-2533079, 2530277

<http://www.fki.com>

Email: sales@fki.com

AGENT:



HBA-1-2006-12-2000E