



EXTRUSION  
ISO 9001:2008 



**FK/ABI-125L**

## **BLOW MOULDING MACHINE ACCUMULATOR HEAD TYPE**

*Suitable for making 200 / 220 / 250 liter L ring drum and  
open top barrel drum.*



**Extrusion Excellence**

## Standard Attachments

- Grooved feed extruder suitable to work with ultra high molecular weight HDPE.
- European or Taiwan made helical gearbox with thrust bearing of SKF 29440.
- Main drive with ac motor and frequency inverter.
- Extruder height adjustable by motor.
- Melt pressure and temperature gauge.
- Unscrew device for blow pin unit for inner thread neck.
- LK type clamp unit of 6 locking device with proportional valve control for locking speed.
- Proportional directional valve for clamp open and close, and for injection speed.
- Safety device with photo cell fixed on two sides of clamp platens.
- Robot arm to take the finished product out from clamp area.
- Slide chute to collect the finished product.

## Optional Attachments

- Safety fence made of metal grid with interlock device for electric/hydraulic/pneumatic system.
- Post cooling unit with alum mold to shorten cycle time.
- Vertical cutting saw.
- Strong crusher completed with turbo blower and silo tank.
- Water chiller and air compressor.
- Blow mould and injection cap molds.
- Partial wall thickness system is to enhancing material distribution to improve the performance by using hydraulic cylinders to pull and push a ring into a programmed series of shapes as achieving better drop test strength of maintaining minimum wall thickness.

## Technical Data

Model	Unit	FK/ABI-125L
Products Volume	Liter	200-250
<b>Extruder</b>		
Screw Diameter	mm	125
Screw L/D		30
Main Drive	HP	200
Extrusion Capacity	kg / hr	450
Barrel Cooling	HP	1 x 5
Heating Zone		5
Barrel Heating Capacity	kW	50



Partial Wall Thickness Distribution System

### Accumulator head: four spiral flow channel

Accumulator Capacity	Liter/Kg	25 / 17.5
Heating Zone		6
Heating Capacity	kW	83
Die Lip Diameter (Max.)	mm	450

One size provided as standard within above range

### Clamping unit: Tie-barless & free access for mold in/out

Series		LK1613
Clamping Force	ton	70
Clamping Distance	mm	600 - 2000
Mold Platen (Height)	mm	1600
Mold Platen (Width)	mm	1330

### Hydraulic unit: High & low pressure circuit with nitrogen accumulator for energy saving

Pump Drive	HP	25 + 10 / 40
Clamping Pressure (Max.)	kg/cm <sup>2</sup>	180
Injection Pressure (Max.)	kg/cm <sup>2</sup>	160

### Utilities

Air Consumption	m <sup>3</sup> /hr	120 - 180
Air Pressure	Kg/cm <sup>2</sup>	6 - 8
Total Power Consumption	kW	330
Average Consumption	kW/hr	132
Space for Machine (LxWxH)	m	10 x 6 x 6.5

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



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豐記國際機械股份有限公司

FONG KEE INTERNATIONAL MACHINERY CO., LTD.

No. 168, Cheng Pei First Rd., Yongkang Dist., Tainan City 71042, Taiwan

TEL: +886-6-253-2157 sales@fki.com

FAX: +886-6-253-3079 www.fki.com

