

# Provide overall solutions for the customer

## EKAIVA SERIES AUTOMATIC INJECTION BLOW MOLDING MACHINE (EUROPE STYLE)

- This machine adopts the European standard injection blowing mode.
- Also absorb the advantages of domestic injection.



This machine was base on European injection blowing machine and absorb the advantage of domstic injection blowing machine.



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**AVINYA MACHINERY INTERNATIONAL PVT. LTD.**

## TECHNICAL PARAMETERS

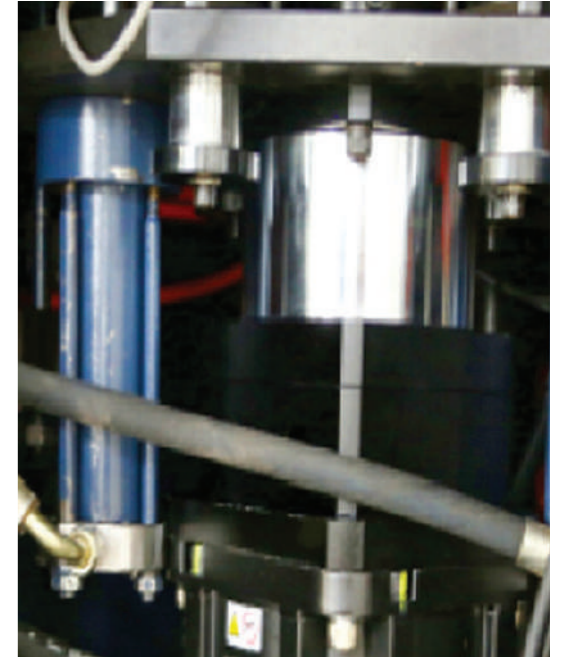
NAME	UNIT	EA 40	EA 60
Screw Diameter	mm	45	50
L/D Ratio	-	22:1	22:1
Injection Capacity	g	240	374
Heating Power	kw	8.8	14
Heating Section	-	3 + N	3 + N
Injection Mould Clamping Force	kn	400	600
The Injection Mold Opening Stroke	mm	140	140
Mould Clamping Force	kn	60	100
Blow Mold Opening Stroke	mm	140	140
Injection Stroke	mm	150	200
Mold Size	mm	480 x 340	600 x 390
Min. Thickness of Mold	mm	180	240
Main Motor Power	kw	15	18.8
Reject Stroke	mm	220	230
Dry Cycle Time	s	4	4
Total Power	kw	26.8	32.4
Operating Power	%	52 - 70	52-70
System Pressure	map	14	14
Compressed Air Pressure	mpa	0.7 - 1.2	0.7 - 1.2
Cooling Water Pressure	mpa	0.3 - 0.4	0.3 - 0.4
Product Maximum Length	mm	120	120
Product Maximum Height	mm	220	220
Product Volume	ml	1 - 1000	1 - 1000
Dimensions	m	3 x 1.3 x 1.7	3.5 x 1.4 x 1.8
Equipment Weight	ton	4	6

## MODE CAVITY NUMBER CONTROL TABLE (FOR REFERENCE ONLY)

PRODUCT SIZE				EA 40	EA 60
VOLUME	NECK DIA.	HEIGHT	BODY DIA.	CAVITIES	CAVITIES
5 ml	10	35	45	9	14
10 ml	12	40	20	9	14
20 ml	15	50	25	8	12
30 ml	20	60	30	8	12
40 ml	22	65	35	7	10
60 ml	28	75	40	6	10
80 ml	30	80	45	5	8
100 ml	32	85	50	4	8
150 ml	35	90	53	3	5 - 6
200 ml	38	100	58	3	5
400 ml	42	120	65	2	3 - 4
650 ml	50	160	80	1	2
800 ml	40	200	90	1	2
1000 ml	45	200	90	1	2

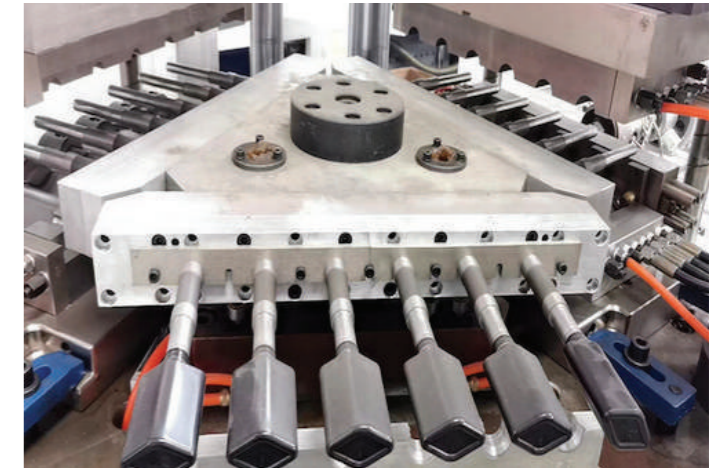
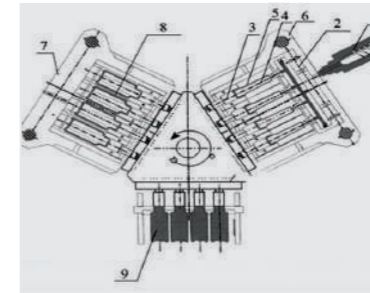
## EKAIVA AUTOMATIC INJECTION BLOW MOLDING MACHINE (EUROPE STYLE)

The machine is a full automatic injection blow molding equipment, suitable for processing PP, PS, PE, SAN, PMMA, PC, PETG, PEN and other thermoplastic, which widely used in pharmaceutical, health care products, food, beverage and cosmetics, etc. One mold with multi-cavity for automatic continuous production technology, using three horizontal station rotary device, hot runner system and multi-stage injection molding system. Injection molding, blow molding, de-molding three positions action at the same time to ensure high efficiency and energy saving operation. Which make sure the smooth product bottle, no waste and high precision of bottle neck inner & outer diameter and thread. This machine is the standard equipment of modern enterprise environment-friendly production.



## ESEMPLAST AVINYA

- Stock Preparation/Injection Device
- Hot-flow Channel
- Entire Bar
- Bottle Blank
- Injection Mold
- Injection Station
- Blow Station
- Blow Molding
- Stripper Station



## ADVANTAGES

- Oil cylinder was fixed under the machine to make sure cleanness of the products. The clamping force of mold was even.
- The height of machine is lower and convenient to fix the mold.
- Special servo control for hydraulic system with reasonable piping layout to make high efficiency and energy save running.
- Special mold locking structure to enhance the mold lock force and reduce the energy consumption of whole system.
- With servo rotate system and high precision inspection device to improve the rotate precision and machine circular idle time.
- Special double cylinder horizontal plate valve double injection system to make the injection more fast and stable. Special design for plasticization suitable for various grade injection and pressure keeping.
- Excellent inside structure for easy maintenance.
- Mold release adopt digital sensor inspection to check core bar rotary which can make the machine running without operator.
- Equipped core bar cooling system to reduce the cooking time and avoid machine stick on the core bar.
- The terminal conveyor could connect equipment like visual inspection leakage inspection and labeling machine.