



In Mould Label Pet Bottle Machine



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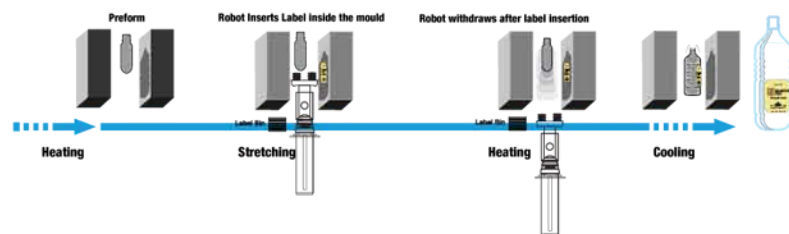
IML Innovizion In-Mould IML.10



3
Robot

2
Stacking

Label Nest With Motion Custom high tolerance label nest with motion for in mold labeling (IML) automation MultiLabel



In-mould Labels

- 1 Fully integrated into the IML system
- 2 Specialized in all kinds of PET bottles
- 3 Bottle ready for filling
- 4 Environmental friendly
- 5 Cost reduction in the production process

Label Stackers

- 1 High speed mechanical stacker.
- 2 Electronic Stackers, versatility.
- 3 Stations for boxes.

Full warranty of the process.

Retail Product Packaging

- 1 Shorter production time and lower production costs
- 2 Special mold systems for IML.
- 3 Versatile systems for ultrafast format changes.

IML 10 Machine with Robot

Robot Features

- 1 Employs Frame mounting separate on machine without mechanical vibration frequency interfere.
- 2 Servo motors control the transmission parts precisely and rapidly.
- 3 Servo motors driven stacking units.
- 4 safety guard included

Product Capacity	ML	30 to 1000	30 to 2000	1000 to 5000	30 to 1000	30 to 2000
Neck Dia	MM	25 to 28	25 to 30	46 to 120	25 to 30	28 to 30
Max. Product Dia	MM	75	100	200	80	100
Max. Product Height	MM	200	340	340	300	340
Production Capacity	Bottle / JAR pHr	1800 to 2000	1800 to 2000	600 to 800	3500 to 3600	3500 to 3600
Max.Blow Height	MM	200	340	340	300	340
Cavity	NO	2	2	1	4	4
Operating Pressure	KG	8 to 9	8 to 9	8 to 9	8 to 9	8 to 9
Blowing Pressure	KG	0 to 35	0 to 35	0 to 30	0 to 30	0 to 35
Heater Power	KW	20	24	28	28	48
Clamping Stroke	MM	150	200	250	200	200
Clamping Force	TON	20	20	20	20	20
Max.Mould Thickness	MM	200	200	250	200	200
Min.Mould Thickness	MM	150	150	230	200	150
Cavity Centre Distance	MM	80 to 110	130	225	80 to 110	1
Air Requirement	CFM	90-100	120-130	120-130	190-200	190-200

In our endeavor to improve quality specifications and look of the products may change without prior intimation



COOLING TOWER: The tower feature's sprinkling system is on the purpose of heat sink and cooling water. The recycled water could control the outlet temperature and filter the impurities to avoid the pipes jammed inside the blow molding machine

WATER CHILLER. Water chillers are used for cooling mould to improve the smooth finish of plastic products and reduce the internal stress. It is easy to mould plastic products and outputs are faster. Water chillers are also used for cooling all kinds of lubricating oil and hydraulic transmission oil to control the oil temperature accurately and improve the processing accuracy.

AIR PURIFIER: As some water, dust and oil in compressed air will defect bottle quality directly and seriously, air purifier is suggested to clean them to certain extent

HIGH PRESSURE AIR COMPRESSOR: For PET bottle blow molding, usually 20-40 bar compressed air required But to drive the PET stretch blow molding machine, generally 8 bar is needed. So two kinds of air compressor to be required: High-pressure one to supply high pressure compressed air to blow the bottle at machine's request.

LOW PRESSURE AIR COMPRESSOR: Low-pressure one to supply low pressure compressed air to drive the machines various components

High Pressure Compressor Technical Spec.

Model	Motor power	Piston displacement		Free air delivery*		Stages	Compr. speed	Working Pressure		Tank Capacity	Cooling	Weight	Dimensions (LxBxH)	Air Outlet Port Size
	HP kW	m ³ /min	cfm	m ³ /min	cfm		rpm	Kg/cm ²	psi	Ltrs.		Kg	mm	BSP Inches
HP 15 300	15 11	1.17	41.27	0.85	30	2	875	30	426	500	AC	740	1980 X 865 X 1405	3/4
HP 20 330S	20 15	1.53	54.00	1.09	38	2	1150	33	479	500	AC	780	1978 X 843 X 1464	3/4
HP 20 330S	20 15	1.53	54.00	1.09	38	2	1150	33	479	BM	AC	640	1463 X 775 X 865	3/4
HP 20 330 WC	20 15	1.54	54.26	1.08	38	2	1150	33	479	500	WC	780	1980 X 865 X 1405	3/4
HP 20 400S	20 15	1.47	51.96	1.05	37	3	850	40	569	BM	AC	500	1450 X 845 X 949	3/4

Low Pressure Compressor Technical Spec.

Air Delivery	35 or 49 CFM @ 175 PSI (991 or 1387 L/min @ 12 Bar)
Motor	10 or 15 HP 3 phase electric motor
Max Pressure	175 PSI (12 Bar)
Lubrication	Splash Lubricated
Air Quality	Grade "D" Breathing Air
Unit Dimensions (H x L x D)	56"x73"x24"(142x185x61cm)
Weight	890 lbs. (404 kg)



What is Blow moulding IML?

The term "in mould labelling" is label is placed in a mould. This mould has the shape of the end product, e.g. the shape of a bottle. The end result is a decorated packaging part, produced in one step.

When the PET pre-form is blown it fuses with the label, takes the shape of the mould.
Result: label and packaging become one.



Paper In-Mold Label

Applications of white paper include labelling with excellent ink receptive coating for following industries. For HDPE/PET/PP

COSMETICS:

Correct cosmetic labelling is an important aspect of marketing a cosmetic or personal cosmetic care product. Our paper IML gives the premium look for the cosmetic products like Nutrition cream, face pack and other.

COMMODITY

Paper IML gives the label as clay coated texture, which increase the gloss in the label and aesthetic appearance of the product. This is widely recommended for hair oils, water bottles, shampoo and conditioner or specifically for white containers.

PHARMA.

Chromo paper IML is widely recommended for tinted pharma bottles, as this IML have higher compatibility with bottle and give smooth surface for printing guidelines and directions



Pearl PP In-Mold Label

Applications of clear PP include labelling with excellent ink receptive coating for following industries. For HDPE/PET/PP

COSMETICS:

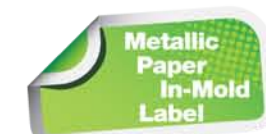
Clear PP IML is widely recommended for the clear bottle with clear liquid.

COMMODITY

Applications are predominantly in market segments where rigid containers are used (PET). Due to fairly rigid nature of the film care should be taken with use on non-uniform surfaces and where a very high level of squeezability is desired.

BEVERAGES.

Clear PP IML is widely recommended for see through packaging. Like ketchup bottles, Vinegar and juice packaging's.



Metallic Paper In-Mold Label

Applications include labelling of promotional and industrial labels where excellent multi-colourprint quality and attractive metallic appearance are required. Application For HDPE/PET/PP

LUBRICANTS:

Our metallic pp in mold label have excellent spill, wear and tear resistance, which make our label a transits safe label. This label can be used for high viscosity or spill type of oil containers.

BEVERAGES.

Beverage labels often have to stand up to the challenges of moisture, friction, and varying temperatures. Our metallic pp in mold label have a good repellency to moisture deposition. This product is ideal substrate for rigid packaging of juice, energy drink and premium water bottles IML



• Innovizion mould label offers several major advantages:

Maximum print quality of the high-resolution images



• Wide range of look & feel options

The product can a range of paper, Mettalic paper and Film.



• Strong and hygienic

In mould labels are also scratch resistant, cannot crack and are not susceptible to wrinkles.



• Environmentally-friendly

In mould labelling saves the environment: the packaging and the label consist of the same material and can therefore be fully recycled.



• Shorter production time and lower production costs

Innovizion has set up in house label manufacturing and die-cutting machines to enable quick production of IML labels.

Lower prices for IML labels complying with international standards. No dependency on imports, quick delivery, customizability and maintenance.



• Quick design changeovers

It only takes a shift from one label design to another on your IML automation to make a quick changeover.

There is almost no production loss during the start-up of a new design.



INNOVIZION

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