

# IBM Update - New Information

## A) Product Sizing for IBM Bottles

Please see the chart below of IBM product sizing of bottles for each size of body/diameter etc. These are good estimates only.

Product Size				IBM 250/450 60 Ton	IBM 300/700 88 Ton	IBM 700/1200 135 Ton
Volume	Neck Dia.	Height	Body Dia.	Cavities	Cavities	Cavities
5ml	10	35	15	14	22	30
10ml	12	40	20	12	20	30
20ml	15	50	25	10	18	28
30ml	20	60	30	9	16	26
40ml	22	65	35	8	14	24
60ml	28	75	40	8	13	22
80ml	30	80	45	7	12	20
100ml	32	85	50	6	12	20
150ml	35	90	53	5	10	18
200ml	38	100	58	4	8	16
400ml	42	120	65	3	6	12
650ml	50	160	80	2	5	10
1000ml	40	200	90		4	8
1500ml	45	200	103		3	6

## B) Full Electric or Hybrid Electric IBM

We have both. They are available now. Note that no competitor has a fully electric IBM. Jomar and Uniloy have Hybrid - Electric at greatly inflated prices.

Thruput is faster than the hydraulics, by 1-2 seconds. Prices are available on request, not that much more expensive.

The fully electric is driven totally by B & R controller and B & R Servo Motors (all made in Austria).

The full electric has the following B & R Servo Motors:



Full Electric IBM - 88 Ton

### Servo Motors (all models)

There are 10:

- 1 on stripper (horizontal)
- 1 on timer (vertical)
- 2 on injection clamp
- 2 on blow clamp
- 3 on injection extruder recovery
- 1 on transfer head (up-down)



**Hybrid Electric IBM -88 Ton**

**Servo Motors** (all models)

**There are 3:**

- 1 on extruder for injection and recovery assistance.
- 1 on the clamp for assisting clamp tonnage.
- 1 on discharge timer for horizontal movement.

To view Pet All`s full line of IBM Equipment please click here: <http://www.petallmfg.com/injection-blow-molding.php>