

TECHNE®



ADV-700

full electric linear extrusion
blow-moulding machine

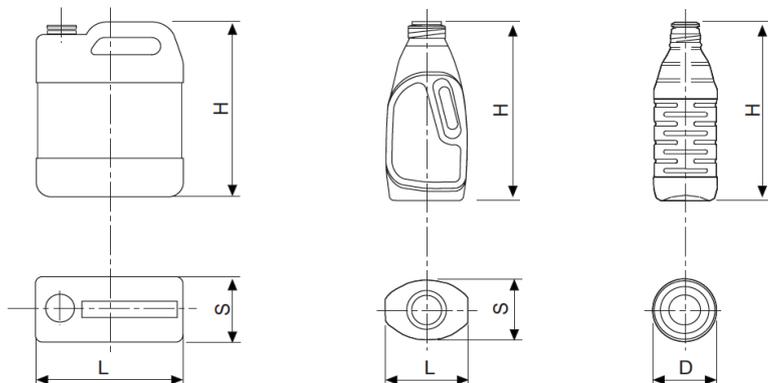
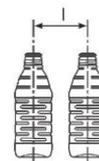


ADV2-700 is a full electric-mechatronic modular shuttle machine, which includes the most advanced technologic solutions on the market. With its double and four shuttle configurations, it is flexible and perfectly suitable for the end users and converters who look for a machine with medium to high production capacities and adaptability in terms of production. Its 700 mm stroke allows to produce containers from 60 ml (neck to neck) in 10+10 cavities to 5 L in 2+2 cavities, up to 6 layers.

Features like in-mould labelling and aseptic blowing, together to the multitude of smart solutions proven and adopted, make this machine a high technological and often unique solution in case of specific applications in pharma, food, household or industrial fields.

Full electric systems developed by TECHNE offer great advantages in terms of electric consumption and ordinary maintenance. Average saving related to the machine consumption is around 35% compared to hydraulic units. The kWh per kg of plastic extruded drops from 0,45 to 0,31 in monolayer configuration and from 0,48 to 0,33 with the multilayer.

Cavities number	N°	2	3	4	5	6	7	8	9	10
Standard c.d. (l)	mm	315	205	155	122,5	102,5	87,5	75	67,5	60
Max bottle width	mm	283	184	139	110	92	78,5	67	60,5	53,5



Technical data

Dry cycle	sec.	2,2
Clamping force	kN	190/220
Stroke	mm	700
Parison control points	unit	500
Electric consumption**	kW/kg	0,30/0,33

**estimate electric consumption in kW per kilo of plastic extruded per hour, monolayer configuration (0,31kW/kg) and 6 layers (0,33 kW/kg).

Ø	Max bottle diameter	mm	220
S	Max bottle thickness	mm	220
L	Max bottle width	mm	360
H	Max bottle height	mm	450

Extrusion configuration*

Mono

Co-ex 2 up to co-ex 6

*extruder type and sizes to be defined according to customer needs in terms of production capacity.

Material processed

LDPE/HDPE

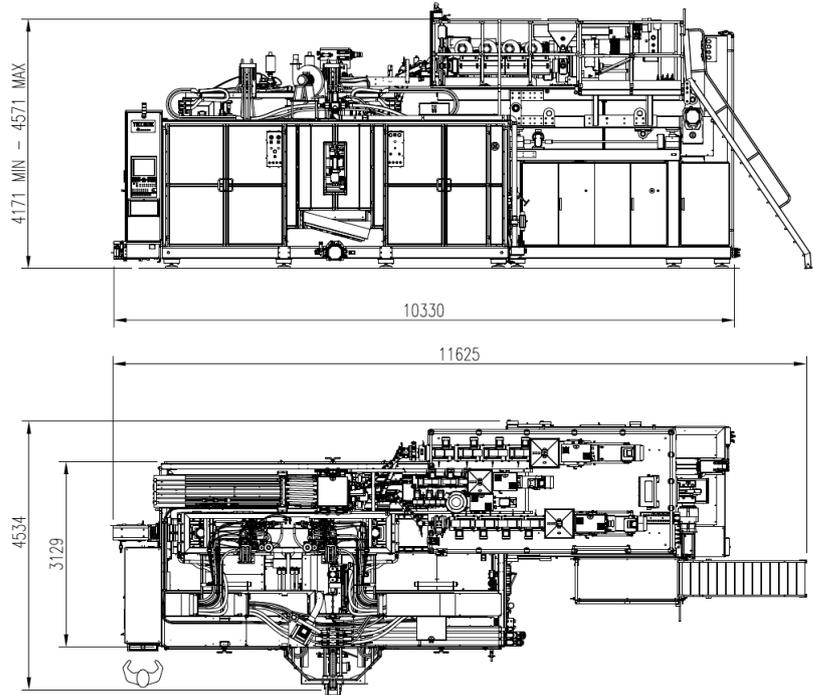
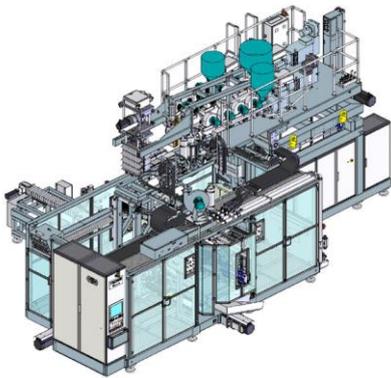
HMWPE

PP

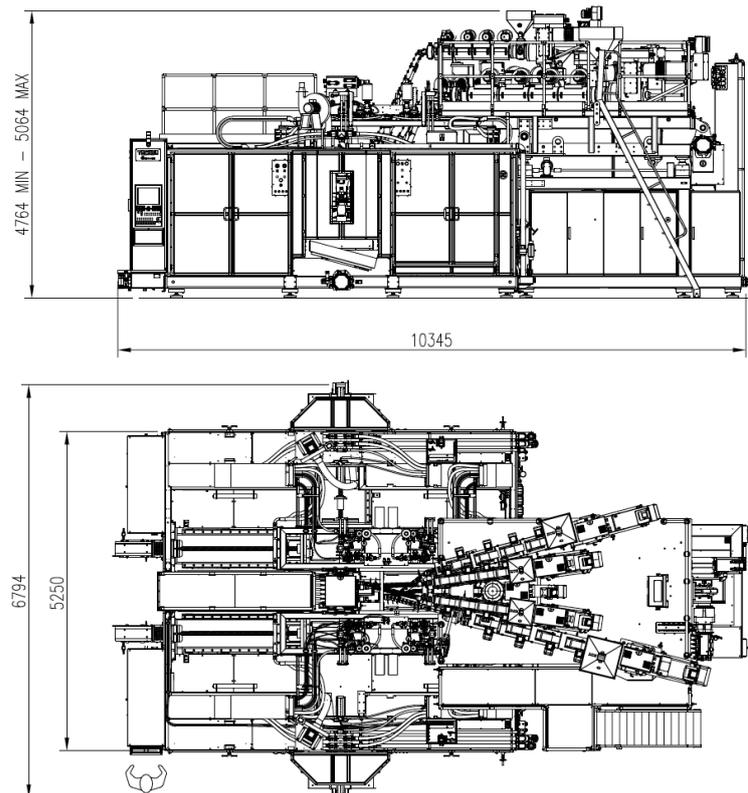
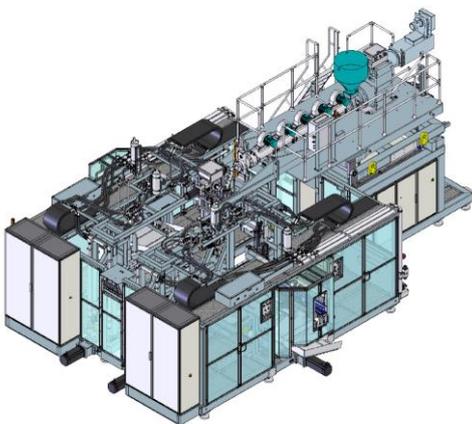
Options / Features

Aseptic blowing	Quick mould changing connections	Vacuumed product conveyor
Fast cooling system VELTECH®	Window stripe	In mould labelling (on ADV2)
Parison antistatic system	Air conditioned electric cabinets	Neck to neck blowing
Pre-pinched cutting system	Dehumidification hood	Inclined neck blowing
Screen changer on extruder	Decomposable mould opening system	TELETECH® remote assistance

ADV2
approximate weight 36 tons



ADV4
approximate weight 54 tons

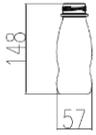
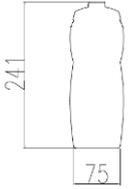
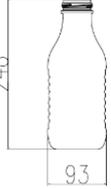
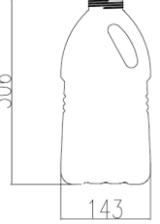
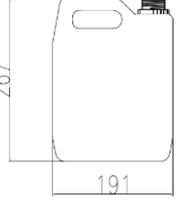


ADV
shuttle
machine

ADV2-700 - double shuttle

ADV4-700 - four shuttle

Production examples:

				
220 ml	700 ml	1.000 ml	2.500 ml	5.000 ml
net weight 20 g cavity number 9 cycle time 9,5 sec	net weight 42 g cavity number 7 cycle time 10,5 sec	net weight 29 g cavity number 6 cycle time 10 sec	net weight 110 g cavity number 3 cycle time 14 sec	net weight 190 g cavity number 2 cycle time 18 sec
ADV2-700 : 6.820 ADV4-700 : 13.640	ADV2-700 : 4.800 ADV4-700 : 9.600	ADV2-700 : 4.300 ADV4-700 : 8.600	ADV2-700 : 1.540 ADV4-700 : 3.080	ADV2-700 : 800 ADV4-700 : 1.600

Note: indicative cycle time, for moulds manufactured by TECHNE - to be verified case by case based on the weight of container produced and the processed raw material.



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