

PETER A. BERG GMBH – BERLIN

Basic and Optional Equipment for the vacuum forming machine „Berg mini“

Basic Equipment		M1-S	M1	M2	M3
a1)	Top heater equipped with quartz elements, size 80x63mm ¹ , output 150W	X	X	X	X
a2)	Top heater equipped with quartz elements, size 125x63mm ² , output 200W	X	X	X	X
b)	Hand driven top heater via ball bearing gears, automatically switched on during movement into working position	X	X	X	X
c)	Bottom heater with motorised drive and crank arm, movement forward starts when top heater is in front.	-	-	-	X
d)	Bottom heater is protected with cermaic glass	-	-	-	X
e)	Pneumatically operated table. Speed is steplessly adjustable. Table up movement with two hand operation, table down with one botton	-	X	X	X
f)	Table plate with vacuum supply, screw holes for clamping of different tool plates and seal.	X	X	X	X
g)	Manuell flapped Clamp frame, made from zinc steel, manuell clamping elements and weight compensation as trop down protection. Spring elements for an optimal clamp force distribution. No thickness adjustment necessary	X	X	X	X
h)	Clamp frame bars adjustable in one axis (50mm steps)	-	X	X	X
i)	Isolation plate in the resting position of the heater banks.	-	X	X	-
j)	SIEMENS Control SIMATIC S7-200 Touchpanel SIEMENS TP070 at machine front. Following fuctions are adjustable <ul style="list-style-type: none"> • Heating time, pre blow-, vacuum-, cooling delay-, and cooling time Adujstment of the heaters: <ul style="list-style-type: none"> • ON and OFF switching of heater groups • Reduction off the outside and centre of the heater bank to an extra value after an adjustable time 	-	X	X	X
k)	Additional manuell switches for sag air, pre blow, vacuum, cooling and release air.	-	X	X	X
l)	Automatic sequence between the functions table up and table down	-	X	X	X
n)	Complete vacuum system with vacuum pump 16m ³ /h, and vacuum valve	X	X	X	X
o)	Cooling fan 400m ³ /h, blowing direction adjustable	X	X	X	X
p)	Easy changeable window plate with silicon seal .	X	X	X	X
q)	Machine carrier with integrated vacuum tank of ca. 8 litres	-	X	X	X

¹ Only for machines with a form area 400x300mm and 500x400mm

² Only for machines with a form area up 600x500mm