

ALLROUNDER 2000 T

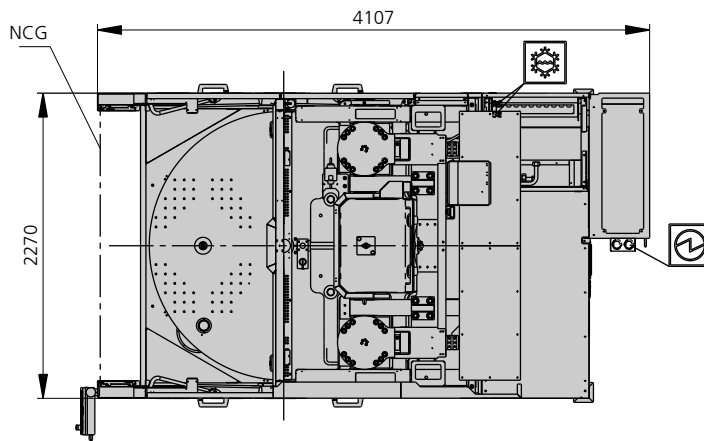
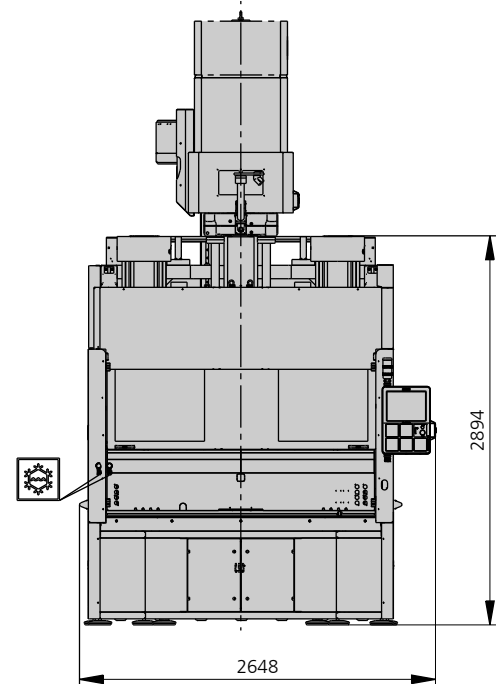
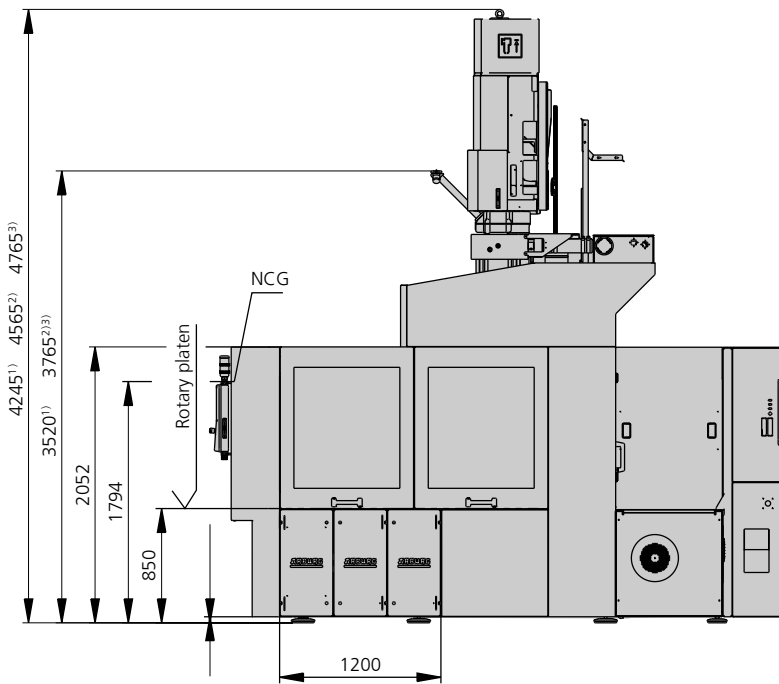
Table diameter: 2000 mm



Clamping force: 2000 kN

Injection unit (acc. to EUROMAP): 400, 800

ARBURG

MACHINE DIMENSIONS | 2000 T



-  Electrical connection
-  Cooling water connection

1) Injection unit 400
 2) Injection unit 800
 3) Size 800 injection unit with ARBURG electro-mechanical dosage
 NCG - Non-contacting guard (photoelectric safety barrier)

TECHNICAL DATA | 2000 T

Clamping unit			2000 T	
with clamping force	max. kN		2000	
Opening force stroke	max. kN mm		115 500	
Mould height, fixed variable	min. mm		400 ---	
Platen daylight fixed variable	max. mm		900 ---	
Table diameter	mm		2000	
Angle of rotation, left/right			180°	
Rotation time for 180°	min. s		4,6	
Weight on rotary table	max. kg		4000	
Weight of movable mould half	max. kg		2000	
Ejector force stroke	max. kN mm		45 175	
Dry cycle time EUROMAP ²	2 pumps	min. s - mm	---	
	Accum.	min. s - mm	---	

Injection unit			400			800		
with screw diameter	mm		35	40	45	45	50	55
Effective screw length	L/D		23	20	18	22	20	18
Screw stroke	max. mm		160			200		
Calculated stroke volume	max. cm ³		154	201	254	318	392	474
Shot weight	max. g PS		141	184	232	291	359	434
Material throughput	max. kg/h PS		25	29	35	46	53	59
	max. kg/h PA6.6		12,5	15	17,5	23	27	30
Injection pressure	max. bar		2500	2000	1580	2470	2000	1650
Holding pressure	max. bar		2500	2000	1580	2470	2000	1650
Injection flow ²	2 pumps	max. cm ³ /s	128	168	212	174	214	260
	Accum.	max. cm ³ /s	492	642	814	530	656	792
Screw circumferential speed ²	2 pumps	max. m/min	47	53	60	54	60	66
	Accum.	max. m/min	16	19	21	15	17	19
Screw torque	max. Nm		480	550	610	880		
Nozzle contact force retraction stroke	max. kN mm		60 400			70 400		
Heating capacity zones	kW		9,4 5			19,9 8		
Feed hopper	l		50			---		

Drive and connection			2 pumps		Accum.	
with injection unit			400	800	400	800
Net weight of machine	kg		21500		---	
Sound press. level Insecurity ⁴	dB(A)		65 3		65 3	
Oil filling	l		320		320	
Drive power ²	max. kW		22	30	---	
Electrical connection ³	kW		36	55	---	
	Total	A	100	125	---	
	Machine	A		---	---	
Cooling water connection	A			---	---	
	Heating	A		---	---	
Cooling water connection	max. °C		30		30	
	min. Δp bar		1,5 DN 25		1,5 DN 25	

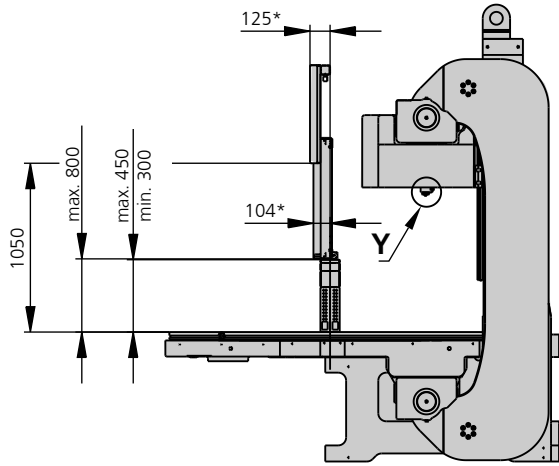
Machine type
with EUROMAP size designation ¹
2000 T 2000-400 | 800

Upon request: other machine types and mould installation heights, screws, drive powers etc.

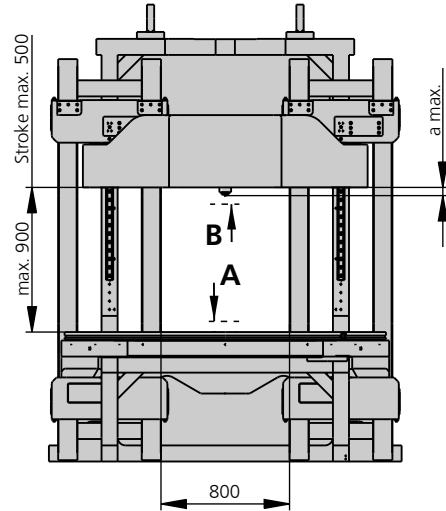
All specifications relate to the basic machine version. Deviations are possible depending on variants, process settings and material type. Depending on the drive, certain combinations, e.g. max. injection pressure and max. injection flow may be mutually exclusive.

- 1) Clamping force (kN) - size of injection unit = max. stroke volume (cm³) x max. injection pressure (kbar)
 - 2) Specifications depend on the drive variant / drive configuration.
 - 3) Specifications relate to 400 V/50 Hz.
 - 4) Detailed info in the operating instr.
- [] Specifications apply to alternative equipment.

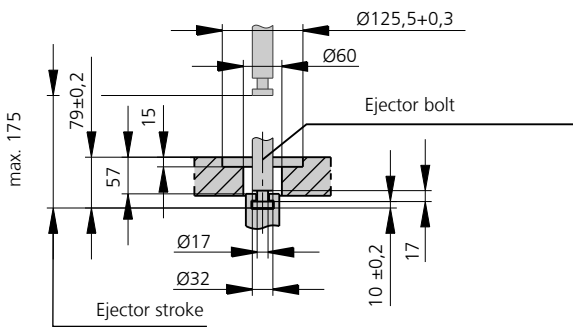
MOULD INSTALLATION DIMENSIONS | 2000 T



*dimensions from table centre
(projecting edge protection + sliding guard)



Ejector bolt

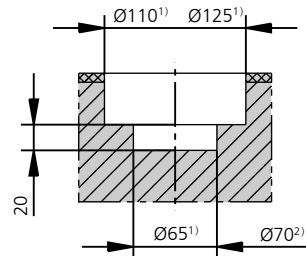
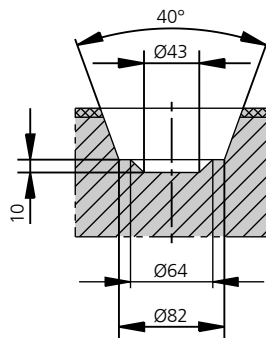


a max.	Injection unit
	400 / 800
Standard	50
Thermoset	50

Bore in mould (if required) | Y

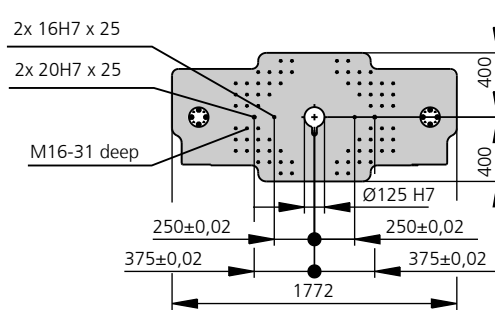
Injection unit 400 / 800

Injection unit 400¹⁾ / 800²⁾
Thermoset version

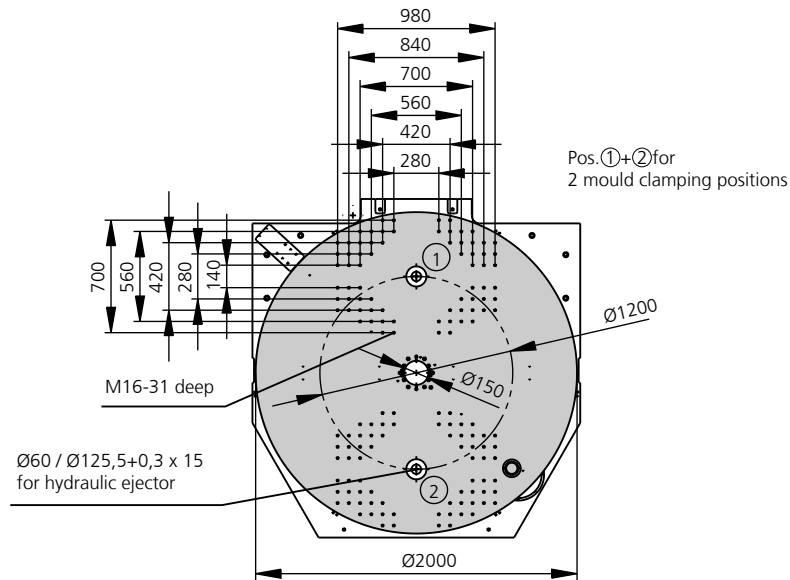


MOULD INSTALLATION DIMENSIONS | 2000 T

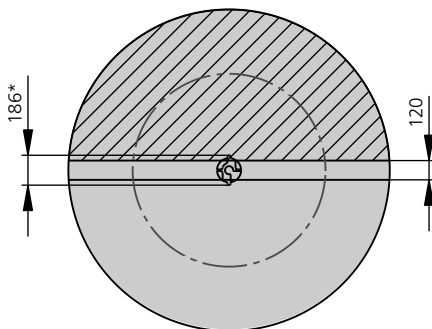
Moving mould mounting platen | B



Rotary Table Ø2000 | A

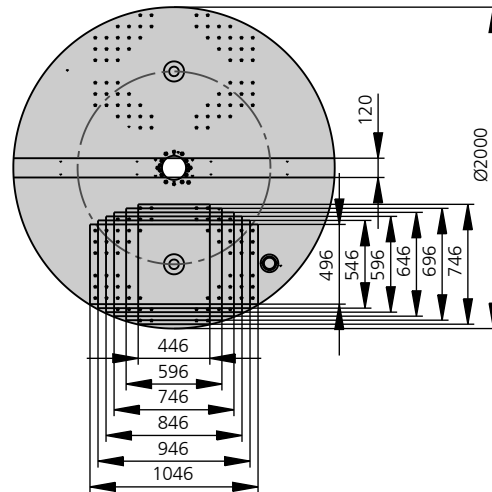


Usable mounting surface



*Optional temperature control unit

Mould grid dimensions 2-station mould



Max. weight on rotary table: 4000 kg
 Max. weight at moving mould mounting platen: 2000 kg
 Rotational speed for 180° with max. mould weight approx. 4.6 s

SHOT WEIGHTS | 2000 T

Theoretical shot weights for the most important injection moulding materials

Injection units according to EUROMAP		400			800		
Screw diameter	mm	35	40	45	45	50	55
Polystyrene	max. g PS	141	184	232	291	359	434
Styrene heteropolymerizates	max. g SB	137	179	227	284	350	424
	max. g SAN, ABS ¹⁾	135	176	223	278	344	416
Cellulose acetate	max. g CA ¹⁾	158	207	262	327	404	488
Celluloseacetobutyrate	max. g CAB ¹⁾	147	192	243	304	375	454
Polymethyl methacrylate	max. g PMMA	145	190	240	300	371	449
Polyphenylene ether, mod.	max. g PPE	131	171	216	270	333	403
Polycarbonate	max. g PC	148	193	244	305	377	456
Polysulphone	max. g PSU	153	199	252	316	390	471
Polyamides	max. g PA 6.6 PA 6 ¹⁾	140	183	231	289	357	431
	max. g PA 6.10 PA 11 ¹⁾	131	171	216	270	333	403
Polyoximethylene (Polyacetal)	max. g POM	174	227	287	359	443	536
Polyethylene terephthalate	max. g PET	167	219	277	346	427	517
Polyethylene	max. g PE-LD	106	139	176	219	271	328
	max. g PE-HD	110	143	181	227	280	339
Polypropylene	max. g PP	112	146	185	232	286	346
Fluoropolymerides	max. g FEP, PFA, PCTFE ¹⁾	225	294	372	465	574	695
	max. g ETFE	196	256	324	408	504	609
Polyvinyl chloride	max. g PVC-U	170	222	281	351	434	525
	max. g PVC-P ¹⁾	157	205	260	324	401	485

1) average value

ARBURG GmbH + Co KG

Arthur-Hehl-Strasse
72290 Lossburg
Tel.: +49 7446 33-0
www.arburg.com
contact@arburg.com