







-  Conventional marking technology
-  Scribe, stylus and dot-peening marking technology
-  Type-wheel marking technology
-  Laser-marking technology
-  Traceability
-  Special-purpose machines

Stamping machines

Technical data sheet

- Operated manually or pneumatically depending on the model.
- High impact power can be achieved with little effort.
- The impact power is adjustable.



BM 18 - manual



BM 21 - pneumatic

Figure with numbering head option

Application area







BORRIES stamping machines are used in the workshop area as well as in small and medium series production. They are suitable for almost all permanently plastically deformable materials. Workpieces of different heights can be marked thanks to the large usable feed stroke. The simple operation and extensive range of stamping tools open up a universal range of applications in production.

Optional equipment

- Two-hand control for BM 12 and BM 21
- Switching device for ANPW numbering heads
- Tools: pin stamps, type holder with steeltypes/engraved stamps or numbering heads
- customized devices



BM 21 with pneumatic two-hand control and numbering head option

-  Conventional marking technology
-  Scribe, stylus and dot-peening marking technology
-  Type-wheel marking technology
-  Laser-marking technology
-  Traceability
-  Special-purpose machines

Technical data

	BM 11/BM 12	BM 18/BM 21
Operation	Manual/pneumatic	Manual/pneumatic
Impact power (depending on the impact spring used and the impact strength set)	Approx. 2 kN to 6 kN	Approx. 5 kN to 37 kN
Tabletop	112 x 112 mm	162 x 162 mm
T-slot size	6 mm	8 mm
Outreach to tool middle	88 mm	141 mm
Clearance height (without tool)	174 mm	294 mm
Total stroke	40 mm	60 mm
of which usable stroke	30 mm	45 mm
of which spindle retraction	10 mm	15 mm
Dimensions of the tool holder	Ø 6 x 25 mm	Ø 10 x 35 mm
Net weight, approx.	14 kg/16 kg	50 kg/52 kg
Max. dimensions (W x H x D), approx.	140 x 510 x 225 mm	215 x 810 x 340 mm
Air consumption per stroke, max.*	0.5 l	2.3 l
Required air pressure	4 bar	4 bar
Max. impact sequence per hour, approx.*	1250	1500
Number of characters**	St.*** / Al.***	St.*** / Al.***
Character height 1.5 mm	6/11	50/90
Character height 2.0 mm	6/8	36/65
Character height 3.0 mm	3/4	21/40
Character height 4.0 mm	2/3	17/30
Character height 5.0 mm	1/2	14/25

* For pneumatic stamping machines BM 12 and BM 21 only

** These figures are approximate. Exact results must be determined by a marking test.

*** Steel: St37K (material: 1.0254), aluminium: AlCuMgPb (material: 3.1645)

Subject to technical changes.