

EXTRUDERS AWELD

Technical solution

The machine frame, including the gearbox support plate, is made as a weldment from sheet steel. The augers are also welded from steel and they are provided with the anti-wear overlay Aweld Standard or Aweld Light. The auger is designed using all of Aweld's experience in modifying brick extruders, always individually for the needs of a specific customer. The extruder lining is produced from steel plate with welded stripes. The raw material is fed into the auger by a pair of so-called hasple shafts. This kind of shaft is overhung mounted and have their own bearings and independent drives. Overhung mounting of these shafts reduces the possibility of air being sucked in around the bearings and thus reducing the vacuum.

The main shaft of the pressing machine is mounted separately in massive bearings with independent lubrication.

The pressing machine is driven by an electric motor via a belt drive and an epicyclic gearbox. It is also possible to deliver a version with a bevel gearbox.

The oiling of gearboxes and shafts is ensured by oil cartridge without forced circulation.

Technical specifications

Pressing machine type	Spiral worm diameter (mm)	Maximum pressure (bar)	Machine output (m3 of raw material/hour)	Main motor power (kW)	Weight approx. (t)
AWL 250	250	30	max. 3,5	max. 37	1.5
AWL 350	350	40	max. 15	max. 75	3.5
AWL 400	400	30	max. 19	max. 90	5.5
AWL 450	450	30	max. 23	max. 110	8
AWL 500	500	30	max. 25	max. 132	9
AWL 550	550	30	max. 40	max. 160	10
AWL 600	600	30	max. 45	max. 200	11.5
AWL 650	650	28	max. 55	max. 250	12
AWL 750	750	25	max. 60	max. 320	15

Of course, we are also able to realize a non-standard extruders or other equipment on a turnkey basis. We will be happy to analyze your requirements and, in cooperation with our design team, find a suitable solution for your technology. We already have excellent results, for example, in the form of laboratory extruders, various kneaders and separators.