

GOLEM band saw machines have reached the reputation of powerful, robust and simple machines for block cutting. 850x1000 model has become a pioneer of a new constructional generation of robust and powerful machines with a two column conception and movable table. Pegas - Gonda company is the world original author of these machines.

Construction: frame of the machines is a weldment, it is loaded by two columns in linear bearings. Thanks to a sloped arm there is lowered a danger of blade twisting and it is possible to situate a blade as near the linear leading on columns as possible. This arrangement enables to eliminate vibrations and enables to achieve a maximum cutting power of machine. The working table is loaded by a linear leading and driven by an independent drive with a frequency converter for a fluent regulation of the feeding speed. There are T grooves for firming of material on the table. The working table is here for manipulation with the material. Machine is equipped by hydraulically controlled blade tightening. A blade is loaded by adjustable guides with a hardmetall plates. Upper blade leading is in a hardened ring on a needle leading. The cleaning brush that ensures the perfect cleaning and function of the blade is driven by an electroengine. Drive is ensured by a planet gear box and three phase electroengine with the fluent regulation of the circumferential blade speed with the frequency converter. Cooling system for emulsion distributed to blade guides. Working movements are regulated by hydraulic system. Arm of machine has an automatic sensor for a measuring of a position over material and there is also an end stop for setting a down position. A controlling system of machine represents a working states as circumferential blade speed, speed of arm movement to cut and a state of single working movements. A part of a system are also inputs and outputs for connection of an abovestandard accessories.

Basic equipment: chip extractor, light above the working place, frequency inverter, blade, set of tools, manual instructions

cutting parameters

			
D [mm]	1000x850	2000x850	

performance parameters

	drive of the blade	kW	12,5
	cutting speed – fluently set	m/min	15-80
	diameter of the blade	mm	9080x67x1,6
	electric connection		3x400V, 50 Hz

Parameters

length	width	Height	Height	height of the table	weight
[L]	[B]	[Hmax]	[Hmin]	[V]	(kg)
4150	5200	3150	2700	790	14 570

