

Cutting range			
Capacity at 90 °	mm		500
			500
			820×500
Capacity at 45 °	mm		500
			500×500
			500×530
Capacity at 30°	mm		350
			350×350
			500×350
Mitre cutting range – li/re			30° 90° 45°
Material support height		mm	700
Sawband speed		m/min	15-85
Sawband dimensions		mm	7050x54x1.3

Drive power:		
Saw motor	kW	5,5
Coolant pump	kW	0,12
Hydraulic motor	kW	0,75
Chip brush	kW	0,09
Overall dimensions:		
length	mm	3500
width	mm	1450
height	mm	2360
Net weight	kg	2900

The model **OL 500/800 DG HP** is a semi-automatically operated gantry type bandsaw cutting machine for industrial usage and ultimate application both for straight and miter cutting of solids, pipes and profiles of ferrous and non-ferrous metals.

The machine **OL 500/800 DG HP** has many built-in functions allowing pipes and profiles cutting for building constructions at the industrial conditions of exploitation as well as solid materials of steel, cast iron and non-ferrous metals of all qualities.

The semi-automatic cycle is like this: material clamping, main motor starts running, cutting process, saw bow goes upwards, material releasing, main motor stops.

The construction of the machine **OL 500/800 DG HP** permits easy and fast saw bow setting for miter cutting at the range of 45° at right 90° up to 30° at left with accuracy of 0,1° by the digital read-out display. The center point of the saw bow rotation is in coincidence with the cross point between the cutting blade with the immovable jaws plane and for that reason the cut bar length doesn't change when cutting at an angle. The saw bow upright movement is hydraulic.

The cutting cycle is automatic without operator action – the saw bow goes down via its gravitation force and the feeding speed is controlled by a hydraulic cylinder and a feeding speed control valve.

The cutting speed is assured by an asynchrony electric motor and it is frequency controlled at the range of 15÷100 m/min.

The machine ***OL 500/800 DG HP*** belongs to the category of semi-automatic machines equipped with a hydraulic system, allowing automation of many working operations (material clamping in the vice, saw bow movement up and down), and a cutting force control. The machine is equipped with a system for automatic tracking both of the feeding speed and the cutting force. At the cutting feed extremely increasing the saw bow slows automatically to its full stop and smoothly increasing up to the set value after the cutting force is normalized.

Saw bow feeding – hydraulically;

Saw bow lifting – hydraulically;

Cutting angle setting – manually;

Saw bow fixing at the angle cutting – hydraulically;

Material clamping – hydraulically;

Saw blade tensioning – manually;

Cutting length setting – manually;

**Easy maintenance, minimal required floor space**

**Simple servicing and long working life**