

Gantry Series - Gantry Machines

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* Optional Equipment May Be Shown
Gantry - Horizontal Band Saws
The large Gantry series combine a modern machine tool design and Soitaab's extensive experience in the efficient, cost-effective cutting of large work pieces. This is a machine designed to cut large heavy blocks of metal. The most efficient method of cutting larger blocks is to have the machine move and the block of material remain stationary. The material is loaded on the worktable using overhead cranes or large fork lifts and there is no interference with the gantry during the loading process. Models available include Gantry 1250, Gantry 1500, Gantry 2000, Gantry 2500 and the Gantry 3000 that come in super automatic mode.

Standard Features

- Head movement is made on ball screws and is actuated by a vector motor
- The hydraulic system feeds the material and moves powered guide arms
- PLC controls the 3 axis cutting dynamics
- PLC control, capable of programming up to 400 cutting jobs
- Cutting parameters such as blade speed can be programmed
- Blade guides are adjusted with a hydraulic cylinder and the guides can be rotated 90° for cross cutting

Options

- Extended gantry travel
- Laser beam light
- Service modem
- Blade break-in program
- Shut off fence
- Rotating blade guide

Hyd-Mech Specifications
Model No. Gantry 1250 - Super Automatic Capacity 50" x 50" 1250 mm x 1250 mm Blade Length: Width: Thickness: 493" (41'1") 3".063" 12530 mm 80 mm 1.6 mm Blade Speed: 33-328 SFM 10-100 m/min Blade Wheel Diameter: 51" 1300 mm Blade Drive: Hydraulic Drive: 27 Hp 10 Hp 20.3 kW 7.5 kW Stroke: 200" 5000 mm Machine Weight: 55115 lbs 25000 kg Dimensions: 364" wide 226" long 142" high 9250 mm wide 5750 mm long 3615 mm high
Model No. Gantry 1500 - Super Automatic Capacity 60" x 60" OR 60" x 80" 1500 mm x 1500 OR 1500 mm x 2000 mm Blade Length: Width: Thickness: 573" (47'9") 3".063" 14560 mm 80 mm 1.6 mm Blade Speed: 33-328 SFM 10-100 m/min Blade Wheel Diameter: 63" 1600 mm Blade Drive: Hydraulic Drive: 27 Hp 10 Hp 20.3 kW 7.5 kW Stroke: 200" 5000 mm Machine Weight: 66138 lbs 30000 kg Dimensions: 364" wide 256" long 163" high 9250 mm wide 6500 mm long 4150 mm high

Model No. Gantry 2000 Capacity 80" x 80" 2000 mm x 2000 mm Blade Length: Width: Thickness: 666" (55'6") 3".063" 16920 mm 80 mm 1.6 mm Blade Speed: 33-328 SFM 10-100 m/min Blade Wheel Diameter: 63" / 24" 1600 mm / 600 mm Blade Drive: Hydraulic Drive: 31 Hp 10 Hp 23.3 kW 7.5 kW Stroke: 200" 5000 mm Machine Weight: 99207 lbs 45000 kg Dimensions: 364" wide 299" long 205" high 9250 mm wide 7600 mm long 5200 mm high

Model No. Gantry 2500 Capacity 100" x 100" 2500 mm x 2500 mm Blade Length: Width: Thickness: 735" (61'3") 3".063" 18670 mm 80 mm 1.6 mm Blade Speed: 33-328 SFM 10-100 m/min Blade Wheel Diameter: 63" and 24" 1600 mm / 600 mm Blade Drive: Hydraulic Drive: 31 Hp 10 Hp 23.3 kW 7.5 kW Stroke: 200" 5000 mm Machine Weight: 110,230 lbs 50000 kg Dimensions: 364" wide 319" long 272" high 9250 mm wide 8100 mm long 6900 mm high

Model No. Gantry 3000 Capacity 120" x 120" 3000 mm x 3000 mm Blade Length: Width: Thickness: 812" (67'8") 3".063" 20630 mm 80 mm 1.6 mm Blade Speed: 33-328 SFM 10-100 m/min Blade Wheel Diameter: 63" and 24" 1600 mm / 600 mm Blade Drive: Hydraulic Drive: 31 Hp 14 Hp 23.3 kW 10.5 kW Stroke: 200" 5000 mm Machine Weight: 121,253 lbs 55000 kg Dimensions: 364" wide 339" long 287" high 9250 mm wide 8600 mm long 7300 mm high