

MAGNASLOT 32

32mm square pole rectangular magnetic chuck



Features

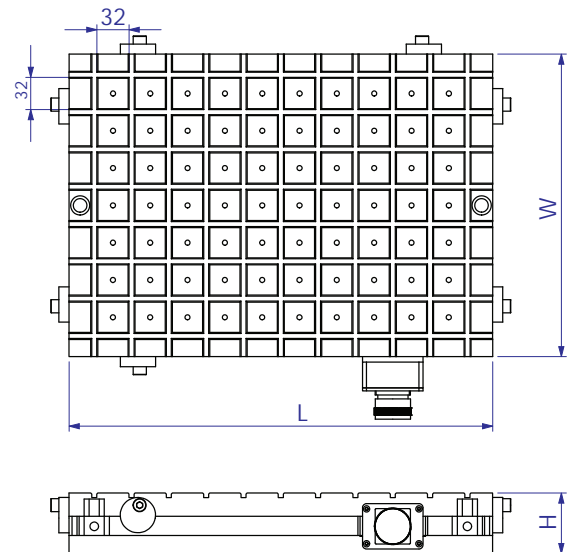
- Patented full steel Top surface.
- Low height of magnetic flux.
- Uniform clamping power throughout the bed.
- Variable magnetic power possible.
- Perfect safety in case of power failure.
- Modular, Rigid and Robust construction.
- Unobstructed movement of tools during machining as all five faces of the job can be machined in the same setting.
- Drastically reduces the setup time and machining of the work pieces.
- Total magnetic surface used for clamping giving better machining accuracy as reducing chattering.
- 100% Leak Proof.

Application

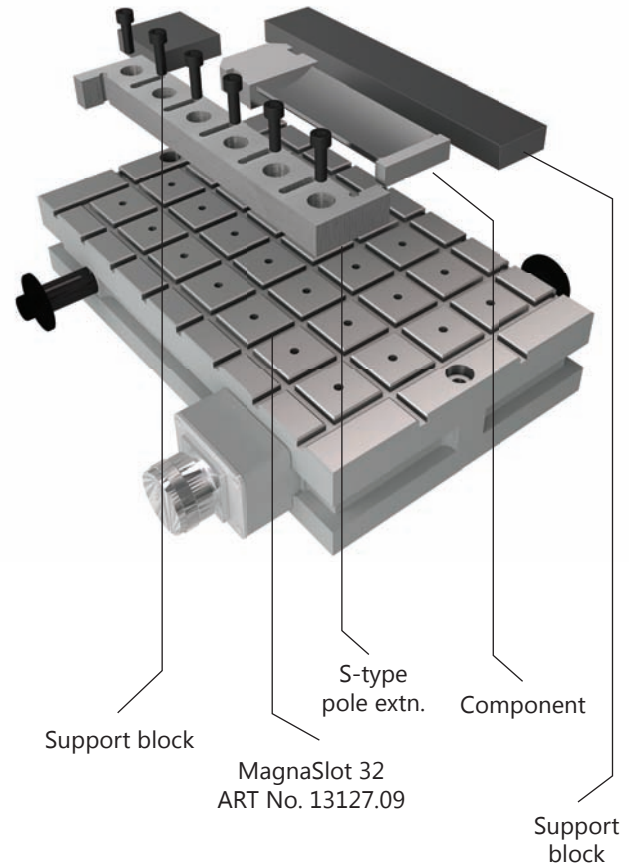
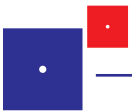
- Most suitable for milling operations on small and thin components.
- A minimum of 9 alternate poles contact is necessary for optimum clamping.
- Minimum thickness of job - 6 mm.
- Easily integrated with Pallet changing and FMS Systems.
- AUTOMATIC SHIMMING: Mobile pole extensions allow clamping and uniformly support work pieces even with uneven surfaces, achieving high accuracies of planarity.
- Clamping force ≥ 140 kg/pole.

ART No.	W	L	Poles	H	Controller
13127.01	150	150	9	60	93101.01
13127.02		300	21		
13127.03		410	30		
13127.04		520	36		
13127.05		620	42		
13127.08	195	195	16		
13127.09		300	28		
13127.10		410	40		
13127.11		520	48		
13127.12		620	56		
13127.13	260	260	36		
13127.14		300	42		
13127.15		410	60		
13127.16		520	72		
13127.17		620	84		
13127.18	300	300	49		
13127.19		410	70		
13127.20		520	84		
13127.21		620	98		
13127.22	410	410	100		
13127.23		520	120		
13127.24		620	140		

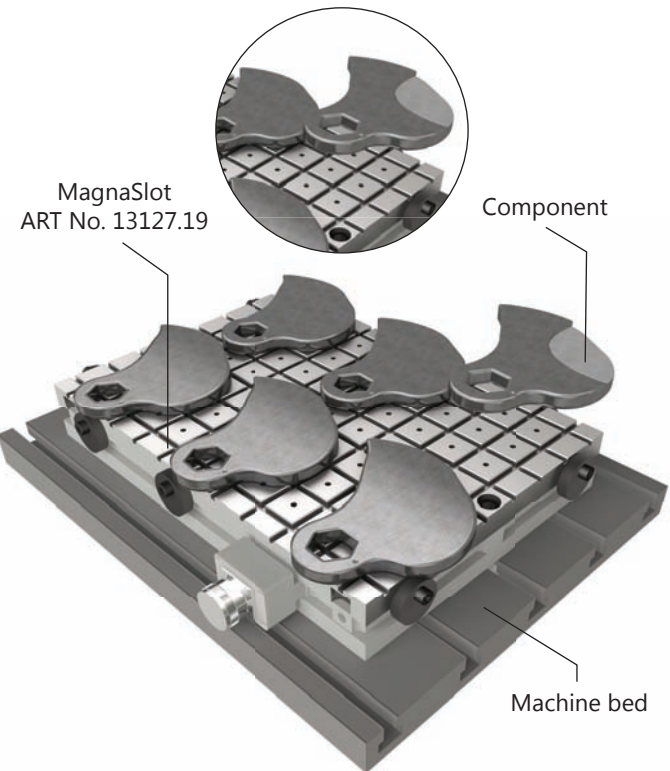
- Due to continuous upgradation in design there could be change in specification.
- Others sizes on request.
- All dimensions are in mm.



- The Magnet can be designed for 220/380/400/480 VAC, 50/60 Hz.
- Custom designed solutions also available.



Component	Turbine blade
Input condition	Pre-machined
Material	Magnetic stainless steel
Operation	Face milling
Customer expectation	Machining both the top and bottom face of the component
Trail parameters	<ul style="list-style-type: none"> • Dia 80 face-mill cutter • No. of Cutting edged: 6 • Depth of cut: 1mm • Width of cut: 60mm • Feed: 300mm/min • Rate of material removal: 18 cm³/min
Solution details	6 pole, S-type fixture for the magnet to induce magnetic power from the side



Component	Machine part
Input condition	Pre-machined
Material	Mild steel
Operation	Face milling & edge milling
Customer expectation	The face flatness should be within 0.1mm
Trail parameters	<ul style="list-style-type: none"> • Dia 63 face-mill cutter • No. of cutting edged: 4 • Depth of cut: 1mm • Width of cut: 40mm • Feed: 800mm/min • Rate of material removal: 48 cm³/min
Solution details	MagnaSlot 32mm square pole chuck was used with dowel pins to locate the component