

VACMAGIC™ VM300 Versatile Vacuum Workholding System

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Vacuum Workholding System



ONE SMALL INVESTMENT = **HUGE PAYOFFS**

For a more versatile, productive machining center—Vacmagic VM300

From large facilities to smaller shops, Vacmagic™ VM300 is revolutionizing shop efficiency. Even highly competitive racing circuit teams are using it, because racing cars is just like running production – every moment counts.

Because saving time = saving money!

- **Quick-change** – pallets swap in 30 seconds or less
- **Rapidly** switch from one job to another without losing your setups
- **Productivity** maximized – load pallets while machining
- **Easy** to install and set-up
- **Simple** patent-pending design with self-cleaning valves
- **Precise** repeatability of .0002" (5 microns) or higher
- **Reliable** and easy to use, virtually maintenance free
- **Flexible** pallet design – limited only by your imagination!
- **Versatile** – machine metal, plastic, ceramics
- **No pumps** – uses standard shop air

"We cut our set-up time by 80%, reduced cycle times - including load/unload - by 50%. Fantastic! It paid for itself in one pay period."

– Martin Fuller, CNC Engineer
Respirex International

"Our Vacmagic holds motorcycle cylinder heads, brake discs, chucks, vices, and numerous other parts. The change-over from having an 8" chuck mounted on the machine to having a cylinder head is about 30 seconds! Before Vacmagic, this would have taken an hour! Another real benefit is the ability to break into a long production run to fit in a rush job – knowing the only time lost is the 30 second change-over. Our stock of pallets with ready-mounted jigs is growing daily."

– R. Allen, Motalia Limited

"We had a job that required profiling and cutting through half-inch highly-engineered polymer plates. We cut our own seal design into a pallet and machined the run without a single reject. When finished, we simply resurfaced the pallet for the next job. With Vacmagic we make our own custom vacuum holders quickly, easily, and to super-tight specs. Invaluable!"

– Customer name withheld
Manufacturer of printing systems



SIMPLY PRODUCTIVESM

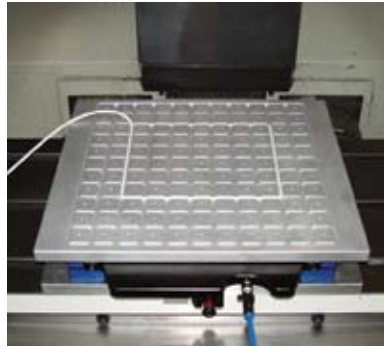
Get more from your production, visit www.vacmagic.com

Using a 2-inch (50mm) diameter face mill, we cut 6061 aluminum at 0.118 in (3mm) deep, with a feed rate of 250 in/min (6.4 meters/min) with no sign of vibration or instability."

– Tech report on file



VM300 base unit



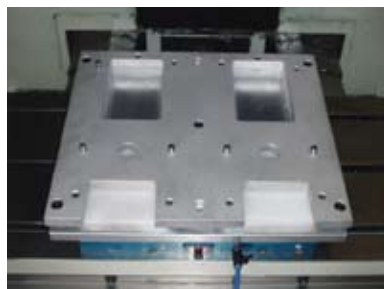
Universal pallet for quick set-up



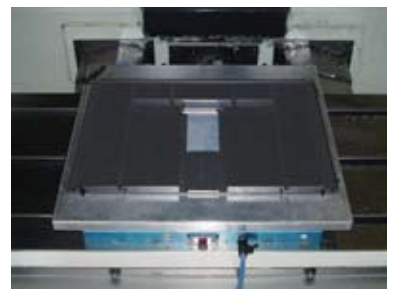
Vice-mounted standard pallet



Standard pallet fixured for multiple parts



Standard pallet with specialized aluminum fixture



Cut-through polymer part on standard pallet

Tech Data

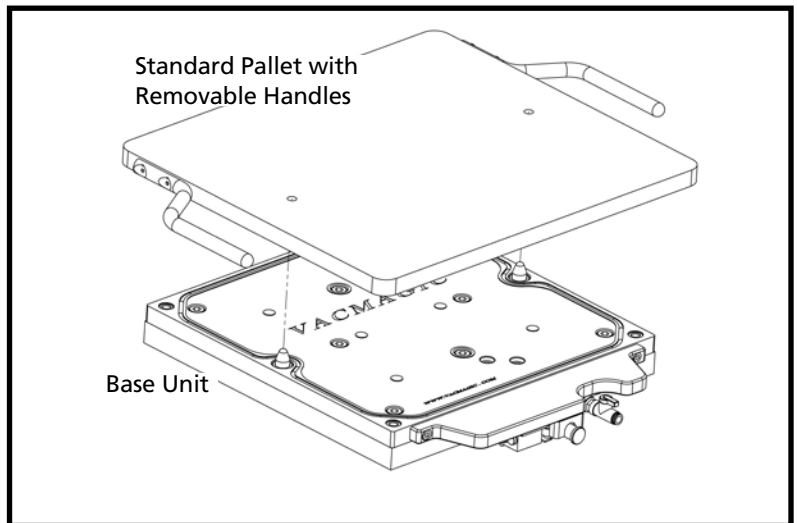
Air supply requirements: 70 psi (5 bar)
2 SCFM (55 SLPM)
Safety interlock switch: standard
Vacuum indicator: standard
Hardened locator pins: standard

Specifications

Base Unit: 1.375" (35mm) height
11.8" (300mm) width
11.8" (300mm) depth

Basic Pallet: 0.5" (15mm) height
14.4" (365mm) width
12.8" (325mm) depth

Universal Pallet: 0.5" (15mm) height
14.4" (365mm) width
12.8" (325mm) depth



www.vacmagic.com

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US Sales
306 East Boundary
Perrysburg, OH 43551
Tel: 419-973-0862

UK/International Sales
Unit 2, Shepherds Grove Industrial Estate
Stanton, Suffolk IP31 2AR England
Tel: 44+(0) 1359 250389