

MIRAGE PORTABLE MACHINING TOOLS

For the toughest on-site machining jobs



ENERPAC 

Since joining the Enerpac portfolio, the design innovation of Mirage machines has continued to deliver new products that help get the job done faster, safer, and smarter. Explore the full Mirage product line from flange facing machines, milling machines, hot tapping, drilling and tapping machines to clamshell pipe cutters, decommissioning and band saws. All backed by Enerpac training, application support and service.

Design & Innovation

Mirage Portable Machine Tools are the result of over 25 years of expertise and innovation. The pioneering spirit continues under Enerpac ownership through our commitment to new product development. Watch out for more new tools being launched in the near future!

Continuous Improvement

Our specialist manufacturing operation is ISO9001 certified. This means we drive a culture of continuous improvement. Our team members are encouraged to find ways to improve today, tomorrow, and long into the future.

Specialist Support, Experience & Expertise

Each machining project presents difficult and unique challenges. Making the right choice for your next and any future projects can be complex. That is why our team is eager to support you through every step on your journey. Whether it is choosing the right specification, commissioning your machine, or maintenance - we're with you all the way.



Specialist Support, Experience & Expertise



Utilities



Nuclear



Oil & Gas



Petrochemicals



Power Generation



Ship Building, Maintenance and Repair



Wind Power



Construction and Mining

▼ GeniSYS™ IV Portable CNC Mill



Removal of cracked or broken studs, refurbishment of damaged threads

- CNC software allows the geniSYS to be programmed to perform multiple tasks within its working envelope
- Can create bore and thread hole diameters ranging from 22,2 mm – 279,4 mm (0.875 – 11 inches)
- Hole depths up to 384 mm (15.12 inches)
- High tolerance profile rails produce consistent results
- All three axes utilize precision ground ball screws, providing precise movement of the milling head
- Accurate and repeatable machining
- A cold cutting operation
- Ejects chips during operation
- Single machine capable of drilling, threading and general milling applications.

▼ Thread cutting



GeniSYS IV Portable CNC Mill

The GeniSYS™ IV is a highly portable 3-axis CNC milling machine.

The motion control command center provides the ultimate in performance monitoring and technician safety.

Designed for the accurate removal of cracked or broken studs up to 11 inch diameter and the precise refurbishment of damaged threads. This is achieved without the need for manually controlled drilling or metal disintegration techniques.

Can be used for automated general profile milling applications.

Typical examples

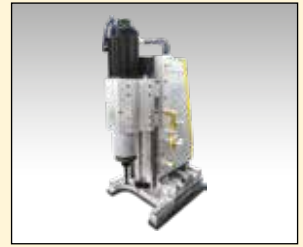
- Manway covers
- Reactor studs
- Bolt extraction and threading applications
- Recirculation pumps
- Turbine cases
- Heat exchangers
- Motor bases and many more high impact assets.

▼ Mirage GeniSYS IV CNC Milling Machine.



GeniSYS™ IV Portable 3-axis CNC Milling Machine

GeniSYS



Hole Diameter:

7/8 - 11" / 22 - 279 mm

Hole Depths:

Up to 15.12" / 384 mm



▲ A typical thread before refurbishment



▲ New machined thread



▲ Enlarging a hole



▲ Coring out the centre of a bolt (minor diameter).



Included as Standard

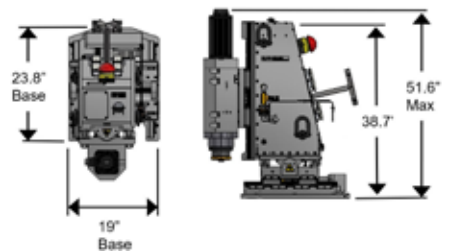
The machine is supplied complete with the following items:

- GeniSYS IV milling machine
- Control System
- Laptop
- Motor and Cables
- Storage / Shipping Boxes
- Operator's Manual.



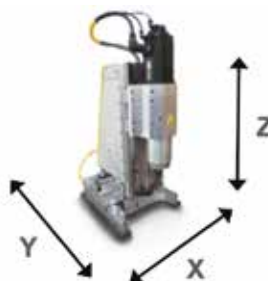
Tooling

Standard tooling packages available to support general milling and thread milling applications.



Dimensions GeniSYS IV

Base Length		Base Width		Total Height		Weight	
(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(lbs)	(kg)
23.8	605	19	483	51.6	1311	1100	499



Specifications GeniSYS IV Portable 3-axis CNC Milling Machine

Hole Diameters (Min. - Max.)		Machine Model Number	Maximum Hole Depth		Milling Head Maximum Travel						Spindle Speed (RPM)	Spindle Motor		Motor Voltage (Volt, 3 phase)
(inch)	(mm)		(inch)	(mm)	X-axis		Y-axis		Z-axis			(hp)	(kW)	
7/8 - 11	22,2 - 279,4	GeniSYS IV	15.12	384	8	203,2	8	203,2	17	431,8	3000	6.7	5,0	380 - 440