

▼ GeniSYS™ IV 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 On-site 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.

▼ GeniSYS IV CNC Milling Machine.



GeniSYS™ IV On-site 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

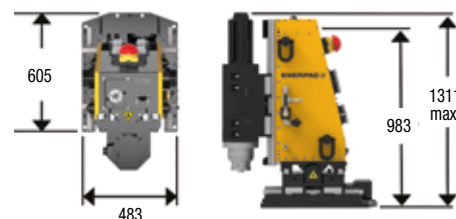
The machine is supplied complete with the following items:

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



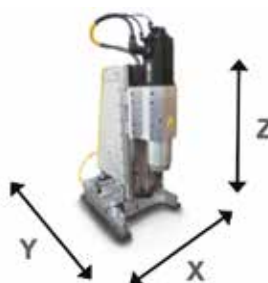
Tooling

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 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)
					X-axis		Y-axis		Z-axis					
(inch)	(mm)		(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)		(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