

Multi Axis Milling Machine

Technical documentation

A highly versatile, robust, low maintenance, portable machine tool.

Typical Applications

- Motor Base Pad Milling
- Injection Grooves
- Turbine Casings
- Drilling and Boring
- Stock Metal Removal

The Silk Multi Axis is based around a ridged cast iron bedway. This bedway is available in two modular lengths with, at the times of ordering, the option of machining any two of these lengths together, giving a maximum of 4.0 metres.

Pneumatic or hydraulic motors along with "power packs" are also available.



The X Axis has a power fed leadscrew with variable feed rate. The Y and Z Axis are manually operated with graduated, detachable handwheels. A 180 ° degree swivel head makes the machine very versatile for milling from both sides of the bedway.

Built into the cutter head is a two speed gearbox, variable by adjusting the flow to the motor. It has an upper and lower mounting position, as well as the manual leadscrew feed facility.

Sturdy adjustable taper roller bearings ensure maximum stability during operation. Once positioned this machine is easily set up and levelled, using shims or adjusting screws. Mounting plates can also be designed and manufactured to suit your application.

Quality

All TEAM Engineering activities are conducted in strict conformance to the ISO9001 quality system.

Silk Design Department

All Silk machines are used by our on-site service technicians and over the years, we have modified and designed attachments to enable the Silk range of machine tools to undertake many specialist applications. Can we help you? Comprehensive CAD facilities operated by qualified design engineers and experience project engineers are able to meet your exact requirements.

Integrated Solutions to Piping Problems | www.patriot-int.com

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		1.5 Length	2.0 Length
Weight of Machine		402kg	477kg
Shipping Weight (Gross)		512kg	600kg
Working Length		1.854mm (73")	
Cutter Speeds		Air up to 390rpm	
		Hydraulic up to 540rpm	
Feed Rates		0 260mm per minute	
Travel	X Axis	1.270mm (50")	1.770mm (69,6")
	Y Axis	289mm (11.4")	289mm (11.4")
	Z Axis	177mm (7")	177mm (7")

Features

- Hydraulic or Pneumatic Drive Motors
- Automatic Variable Feed
- 3 Axis Movement with 180 degrees Swivel Head
- 40 Int. Taper
- Variable 2 Speed Milling Head
- Flatness Tolerance/Surface Finish
- Tooling and Trouble Shooting Service
- Full Spares and Service Support
- Application and Modification Service

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