

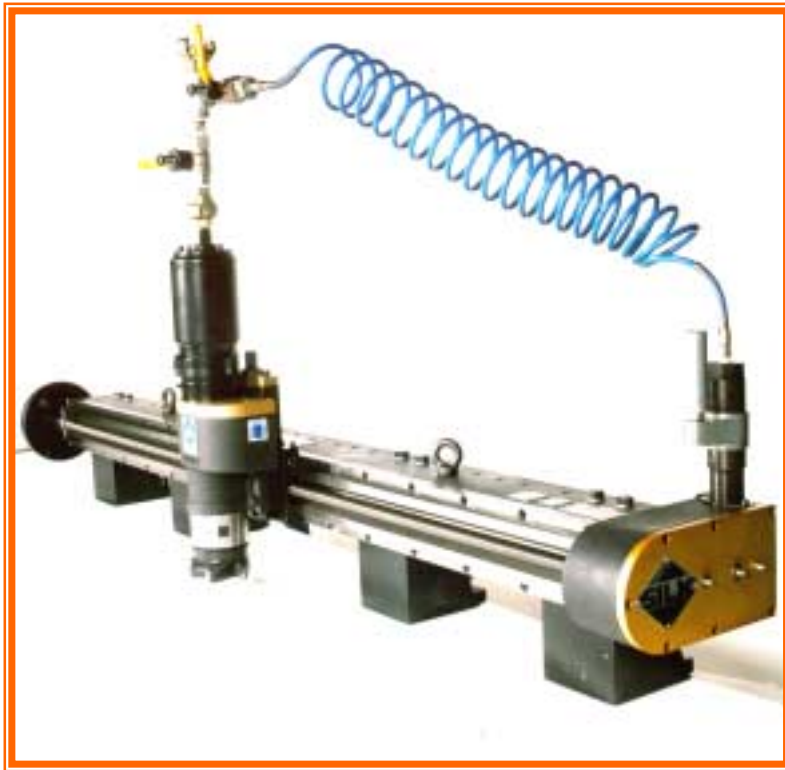


GLOBAL

MACHINE TECHNOLOGY



THE SILK FM044 & FM066 MILLING MACHINES



Lightweight, portable milling machines of sturdy design for on-site milling applications. Suitable for use on division plates of heat exchangers, bed plates for pumps, motors, etc., and for milling keyways and slots. Two milling rail lengths are available, 44" (1118mm) and 66" (1676mm).

FEATURES

- Compact • Lightweight • Easy to handle
- Variety of milling operations • Multiple cutting tools
- Variable feed rates and spindle speeds

MACHINE DESCRIPTION

Silk FM044 and FM066 portable milling machines are constructed of the highest quality materials. They are designed to combine accuracy, portability and ease of handling for numerous on-site milling requirements. The Machine is made up of (3) main components.

The **Milling Rail** consists of a slideway and leadscrew arrangement, along which the cutting head runs. Two sizes of milling rail are available with respective working ranges of 44" (1118mm) and 66" (1676mm). The rail is supported by pillars, four under the 44" rail and six for the 66" rail.

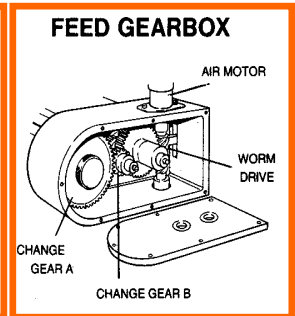
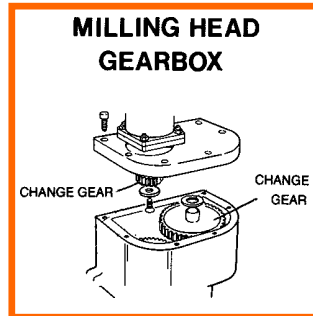
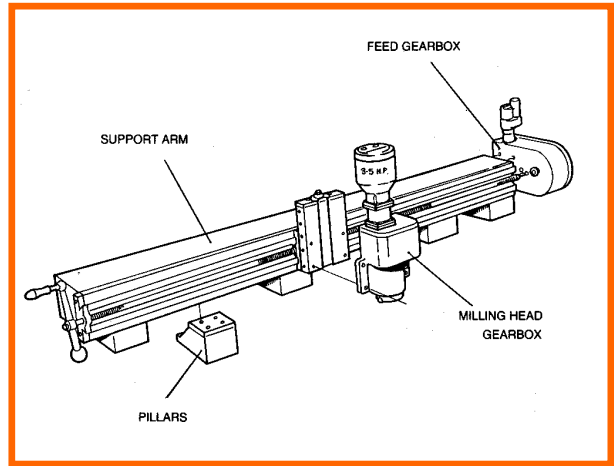
The milling rail and its support pillars can be quickly installed on the face to be machined and is adjusted by three adjusting screws in the base of each pillar.

The **Milling Head**, supported on the rail assembly, runs on the slideway and is fed by the leadscrew and feed box assembly. The milling head assembly consists of an air driven gearbox, powered by a 3.5hp pneumatic motor, and a tool spindle with tool holder.

Spindle speed can be varied by changing gear ratios.

The **Feed Box** is located at the end of the milling rail and is driven by a 0.8hp pneumatic motor via worm drive and gear wheels. Gears 'A' and 'B' can be removed and changed to form different feed rates. A total of five different feed rates are possible.

This machine like other Silk manufactured goods are conducted in strict conformance to the ISO 9001 quality system.



Each milling machine is supplied complete with mounting brackets and ready to operate after removal from the transportable case.

Silk milling machines can be fitted with face milling cutters of up to 12" (305mm) diameters and end / slot milling cutters of up to 1-1/2" (38mm) diameter.

Specifications

Principal Dimensions

	FM044	FM066
Height	26" (660mm)	26" (660mm)
Width	9-1/2" (241mm)	9-1/2" (241mm)
Length	44" (1118mm)	66" (1676mm)

Case Dimensions

	FM044	FM066
Height	16" (406mm)	16" (406mm)
Width	17" (432mm)	17" (432mm)
Length	62" (1574mm)	84" (2133mm)

Weight

	FM044	FM066
Net Machine Weight	361 lbs. (164 Kg)	397 lbs. (180 Kg)
Total Shipping Weight	491 lbs. (223 Kg)	535 lbs. (243 Kg)

Power

Feed	0.8hp (0.6kw)
Milling Head	3.5hp (2.6kw)
Min. Air Supply	80PSI @ 80CFM (5 bar @ 2.2 m ³ /min.)

Feed Gear Ratios & Feed Rates

Gear 'A'/'B'	In./min.	mm/min.
16 60	.068	17
25 50	1.27	32
36 40	2.28	58
40 36	2.82	72
50 25	5.00	127

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