

MMFM – Mini FlangeMill

Compact and light weight flange milling machine – one of the most compact designs on the market today.

- 】 Low clearance.
- 】 Flat and raised face flanges
- 】 Single line, true gramophone groove with 50 grooves per 1" to comply with ASME B46.1 code
- 】 Pneumatic drive 1,3 Hp or 750 W electric with multiple planetary gear box
- 】 Stainless steel body to stiffen the machine base
- 】 Rigid construction aluminium facing head , supported by multiple bearings
- 】 Solid locking mandrel shaft and rigid mounting jaw set
- 】 Hardened and ground tool slides for precision

QUALITY COMPONENTS

- 】 Pneumatic motor comes complete with filter, lubricator and flow control.
- 】 Compact, low-profile drive system engineered for superior power to weight ratio.
- 】 Features rugged main body, heavy-duty bearings, sealed lubrication, and rigid mounting system.



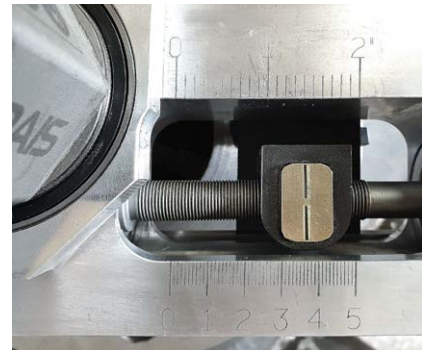
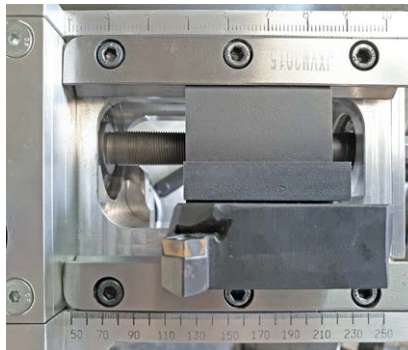
FACING RANGE	RANGE PIPE FACING (SINGLE POINT)	LOCKING RANGE	VERTICAL FEED STROKE	MACHINING FEED RATE	POWER				
37 – 254 mm	51 – 254 mm	26 – 150 mm	13 mm	0,5 mm	1,3 Hp				
1,45 – 10"	2 – 10" OD	1,0 – 5,9"	0,5"	0,019"					
AIR USE		WEIGHT		HEIGHT		LENGTH		SWING DIAMETER	
55 cfm	1,3 m ³ /min	23 Lbs	10,43 kg	19,291"	490 mm	16,338	415 mm	12,204	310 mm

STANDARD FEED SCREW



Machine comes standard with 50 grooves per inch feed screw and nut. Optional feed screw/ nut are available with 68 and 101 grooves per inch.

CONVENIENT SCALE



Convenient and easy to read gauge in metric and imperial scale allowing adjustment of the working range before mounting on the flange.

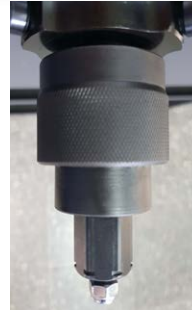
BASIC FEATURES



Single line gramophone groove (50 grooves per 1 inch)



Graduation of the tool setting to the desired depth of cut.



Handy depth feed locking system to prevent accidental movement of the handle during flange processing.

SAFETY FIRST






Hand guard to protect against accidental impact of the rotating head.

TOOL HOLDERS RANGES

MMFM is a low clearance flange facing machine. To achieve this multiple tool holders are required to cover full range, below table specifies machining range of each holder.



	MMFM-125250	125 - 250 mm (4.92" - 9.84")
	MMFM-85210	85 - 250 mm (3.35" - 8.27")
	MMFM-37160	37 - 160 mm (1.45" - 6.3")

MMFM-E

MMFM-E is electric version of MMFM. A standard machine covers the same flange sizes and comes with the same cutting head. The electric motor, made by Makita with 3 stage planetary gear box made by KRAIS has variable speed control and produce enormous torque. Is interchangeable with pneumatic drive and can be purchased separately at any time. Also available with battery driven motor!

Free Speed 115 RPM
 Power..... 750 W
 Torque 360 Nm (266 Ft.Lbs)



BATTERY OPTION

The machine is also available with a portable electric drive 18 Volt 5.2 Ah 93.6 Wh Li-Lon battery. The machine can operate up to 15-20 minutes on one battery. Machining itself of one flange takes about 3-4 minutes of motor operation, so the operating time on one battery may suffice on 3-4 flanges. It is possible to have many charged batteries. Comfortable and easy to use in any place where compressed air and electricity is not available or even impossible to use as for example oil refinery.

