

# IMFM-40 Internal Mounted FlangeMill

Internally mounted, lightweight and durable machine tool. Ideal for machining all types of flange faces, seal grooves, weld preparations and counterbores.

- 】 Heavy-duty steel/aluminium design with solid but lightweight construction
- 】 High rigidity of the machine in relation to the dimension and weight
- 】 Continuous groove facing feeds
- 】 Swivel tool post for grooves, RTJ flanges and bevels
- 】 Easy levelling and centering system with built-in self-centre feature
- 】 Quick clamping with solid, 50 mm self-centering steel shaft
- 】 CE certificate

As standard IMFM is supplied with the complete toolkit, including cutting tool and inserts, air filter with lubricator and hose connection, required jaws to cover the full range, paper manual and storage/shipping box. Beside standard pneumatic 2,2 Hp drive, for IMFM we offer a wide choice of pneumatic and electric drives.



STANDARD WORKING RANGE		MAX SWING DIAMETER	TOOL POST TRAVEL	FEED RATES	FREE SPEED	POWER					
FACING RANGE	CLAMPING RANGE										
152 - 1016 mm	120 - 820 mm	1220 mm	102 mm	See table	0 - 24 Rpm	2,2 Hp					
6 - 39,70"	4,72 - 32,20"	32"	4"			1,6 kW					
AIR USE		SHIPPING WIDTH		SHIPPING HEIGHT		SHIPPING LENGTH		BODY WEIGHT		SHIPPING WEIGHT	
75 cfm	2,2 m <sup>3</sup> /min	600 mm	24"	725 mm	28,5"	845 mm	34"	145 kg	319 Lbs	210 kg	462 Lbs

## FACING FEED RATES (3 OFF IN/OUT)

Direction	Gear	mm/rev	inch/rev	grooves per cm	grooves per inch
Out	1	0,139	0,005	72	183
	2	0,217	0,009	46	117
	3	0,528	0,021	19	48
In	1	0,165	0,006	61	154
	2	0,258	0,010	39	98
	3	0,628	0,025	16	40

## BORING FEED RATES (3 OFF UP/DOWN)

mm/rev	inches/rev
0.05 - 0.10 - 0.20	0.002 - 0.004 - 0.008

## TOOLING CHART

HOLDER	INSERT	SCREW	TORX
IMFM40F-V11	CIV-11-3-1	MHS-4	TX-15
IMFM40P-V11	CIV-11-3-1	MHS-4	TX-15
IMFM40L-V11	CIV-11-3-1	MHS-4	TX-15

## MACHINE IN ACTION



# IMFM-40 and IMFM-60 features

## LEVELLING AND CENTERING



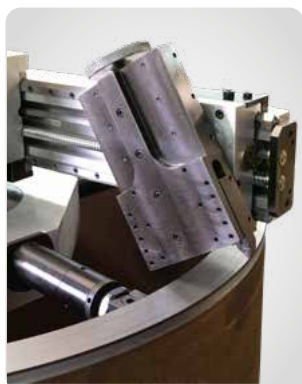
Both machines are equipped with special jaw set for easy, quick levelling and centering. A special mechanism allows convenient adjustment of the mounting plane relative to the pipe. Built-in self-centering locking system significantly facilitates the coarse setting of the machine.

## ELECTRIC DRIVE



As an alternative, we offer an electric drive for IMFM40&60. The motor provides similar parameters to the pneumatic one.

## SWIVEL TOOL AS A STANDARD



Standard configuration of IMFM is equipped with swivel tool post for grooves, RTJ flanges and bevels

## TWO LOCKING PLATES



The offer includes two sizes of locking system. Thanks to the matching dimensions of the rigid body, stable mounting and smooth machining of face surfaces and flanges in all pipe sizes is possible.