



MT PORTABLE MACHINES

SUPERIOR PERFORMANCE...

Flange Facer - FI40



- | Air Motor & Servo Motor Optional***
- | Automatic Feeds For Facing & Boring***
- | 6 Continuous Feeds & ASME B-16.5 standards Finish***
- | Sturdy Storage***



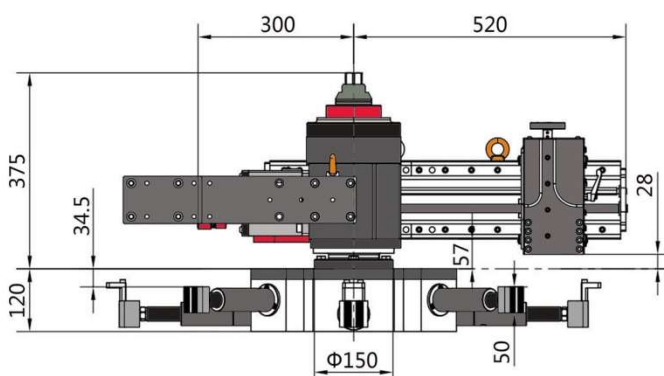
The *Flange Facing Machine FI40* is rugged, compact and ideal for quickly reconditioning rusty, scarred or worn flange gasket seats to like-new condition in minutes. Internally mounted, this machine has a working range of 153 mm (6") to 1000 mm (40") and features 6 continuous feed rates. The mounting base come in three sizes and have micro-adjustable jaws to help quickly align the base during set-up. Air motor and Servo motor are optional. The machine can machine standard FF and RF flange facings, RTJ and other V grooves, weld reparations, etc. The FI40 Flange Facer are suitable for the oil and gas industry, power plants, chemical plants, oil rigs and many others. They are prepared to implement applications complying with ASME standards.

KEY FEATURES

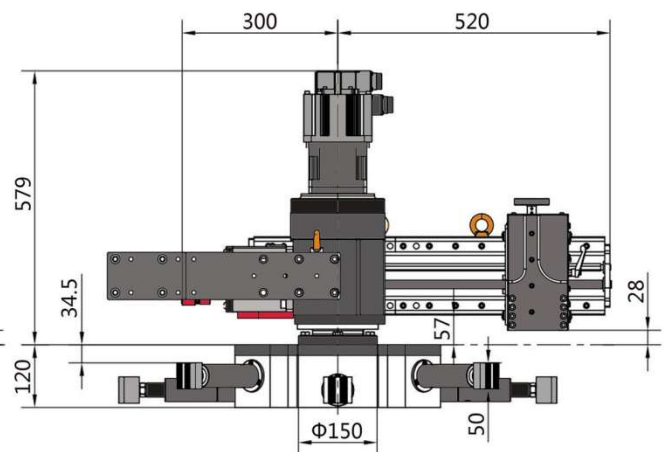
- ⦿ High-precision NSK bearings and "V" linear guide make the machine precise and robust
- ⦿ Modular designed, compact and portable
- ⦿ Internally mounted and operates in any orientation
- ⦿ Suitable for various flange types: flat face; raised face; ring type joints (RTJ); tongue & groove; lens ring; compact flanges
- ⦿ Air motor and servo motor are optional
- ⦿ 6 continuous groove facing feeds for a gramophone finish (ASME Standard)
- ⦿ 6 boring auto-feed settings
- ⦿ 3 different sized quick set independent bases for improved on-site operation
- ⦿ 360° Swivel tool post for groove details
- ⦿ Sturdy waterproof steel box

DIMENSIONS

Dimension - Air motor



Dimension - Servo motor



SPECIFICATION

FI40P Specification (Air motor)		
No	Description	Data
1	Facing Diameter Range	153-1000 mm (6"-40")
2	Clamping Diameter Range	145-910 mm (5.7"-35.8")
3	Tool Post Travel	102 mm (4")
4	Motor	Air motor
5	Output	1.7 Kw (2.3 Hp)
6	Air supply needed@90psi	1.8 m ³ /min
7	Rpm(max)	30 rpm

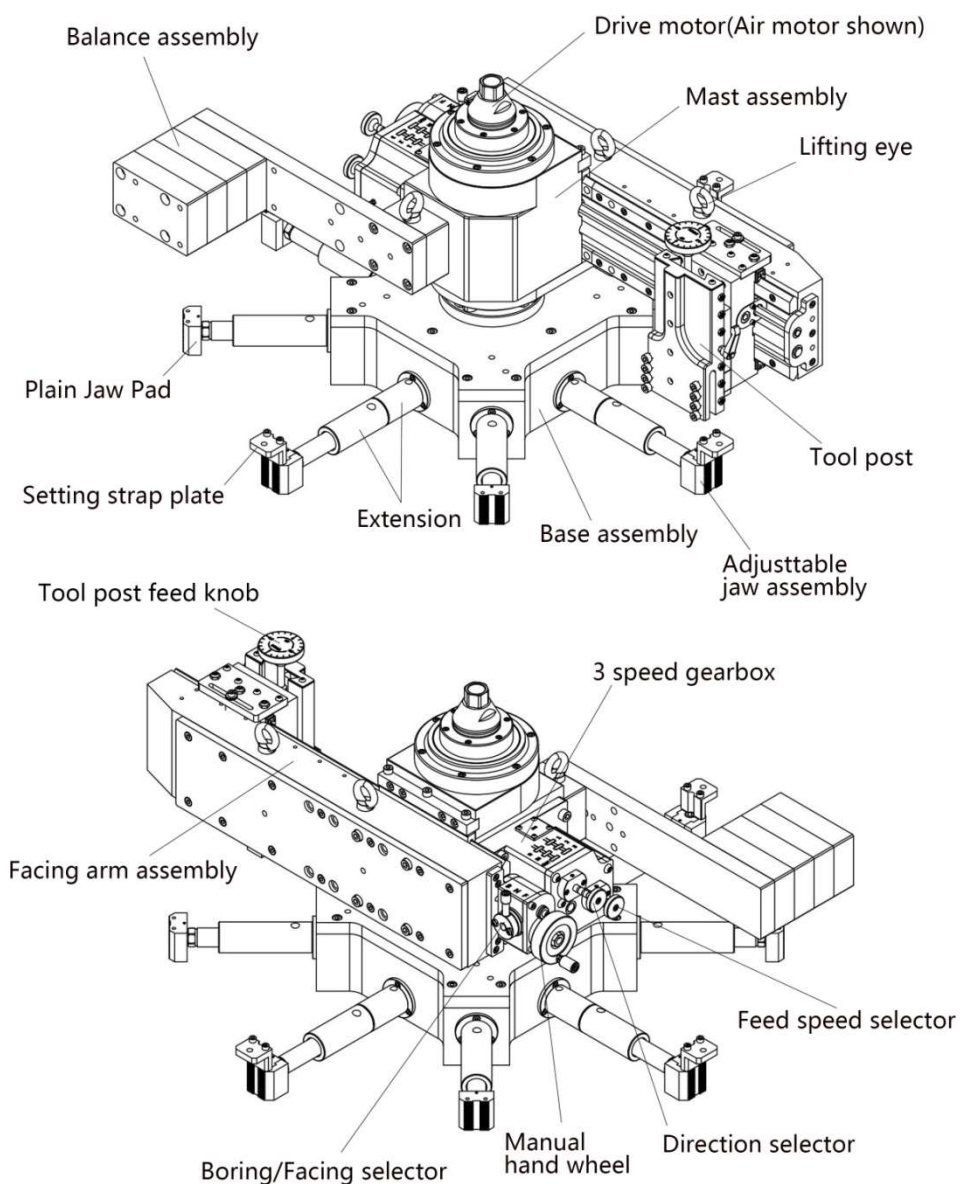
FI40E Specification (Servo motor)		
No	Description	Data
1	Facing Diameter Range	153-1000 mm (6"-40")
2	Clamping Diameter Range	145-910 mm (5.7"-35.8")
3	Tool Post Travel	102 mm (4")
4	Motor	Servo motor (Panasonic)
5	Output	1.5 Kw (2.0 Hp)
6	Power supply	Single phase 220V-50Hz
7	Rpm	0-40 rpm

Facing Feed Rates (F)			
Direction	Gear	rate (mm/rev)	rate (inch/rev)
OUT	1	0.11	0.004
	2	0.17	0.007
	3	0.50	0.02
IN	1	0.14	0.006
	2	0.23	0.009
	3	0.37	0.015

Boring Feed Rates (B)			
Direction	Gear	rate (mm/rev)	rate (inch/rev)
IN	1	0.04	0.00157
	2	0.06	0.00236
	3	0.14	0.00551

FI40 Shipping Details		
Model	Description	Data
FI40P Air motor	Shipping weight, approximate	310 Kg
	Crate dimensions (L×W×H)	1250 × 640 × 605 mm
	Steel box	
FI40E Servo motor	Shipping weight, approximate	350 Kg
	Crate dimensions (L×W×H)	1250 × 640 × 775mm
	Steel box	

CONFIGURATIONS



PACKING DETAIL



SET-UP & MACHINING

1 Install the proper base to the inner hole



2 Install and align the machine



3 Machining the flange facing & grooves



4 Testing & Antirust treatment



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