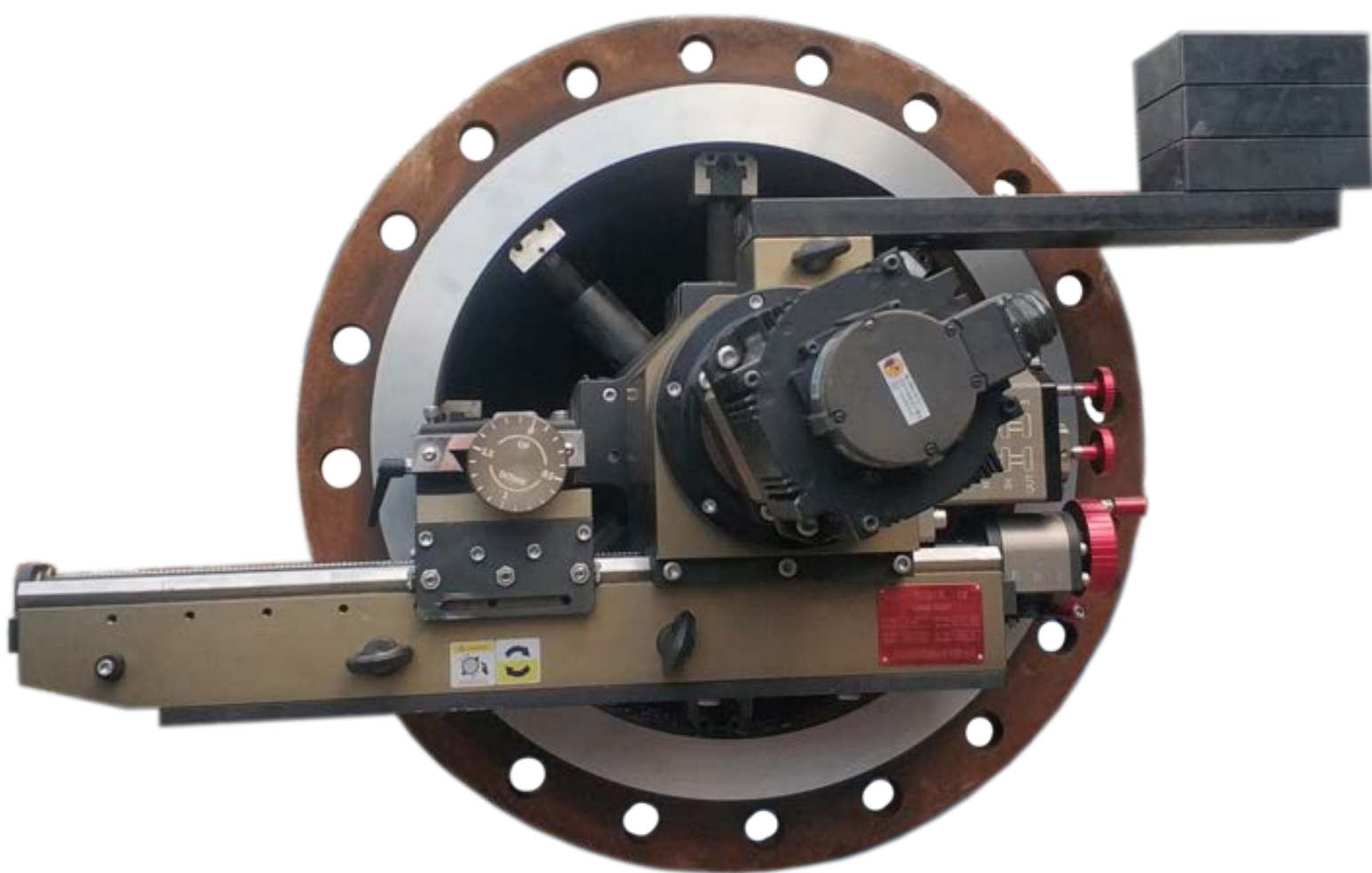




# EFF1000 FLANGE FACERS





# EFF1000 FLANGE FACERS



The *Flange Facer EFF1000* 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 153mm(6") to 1000mm(40") and features 6 continuous feed rates. The mounting base comes in three sizes and has 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 repairs, etc. The EFF1000 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



# EFF1000

## FLANGE FACERS

### SPECIFICATION

EFF1000 Specification (Air motor)		
No	Description	Data
1	Facing Diameter Range	153-1000mm(6"-40")
2	Clamping Diameter Range	145-910mm(5.7"-35.8")
3	Tool Post Travel	102mm(4")
4	Motor	Air motor
5	Output	1.7Kw(2.3Hp)
6	Air supply needed@90psi	1.8 m <sup>3</sup> /min
7	Rpm(max)	30rpm

EFF1000 Specification (Servo motor)		
No	Description	Data
1	Facing Diameter Range	153-1000mm(6"-40")
2	Clamping Diameter Range	145-910mm(5.7"-35.8")
3	Tool Post Travel	102mm(4")
4	Motor	Servo motor(Panasonic)
5	Output	1.5Kw(2.0Hp)
6	Power supply	Single phase 220V-50Hz
7	Rpm	0-40rpm

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

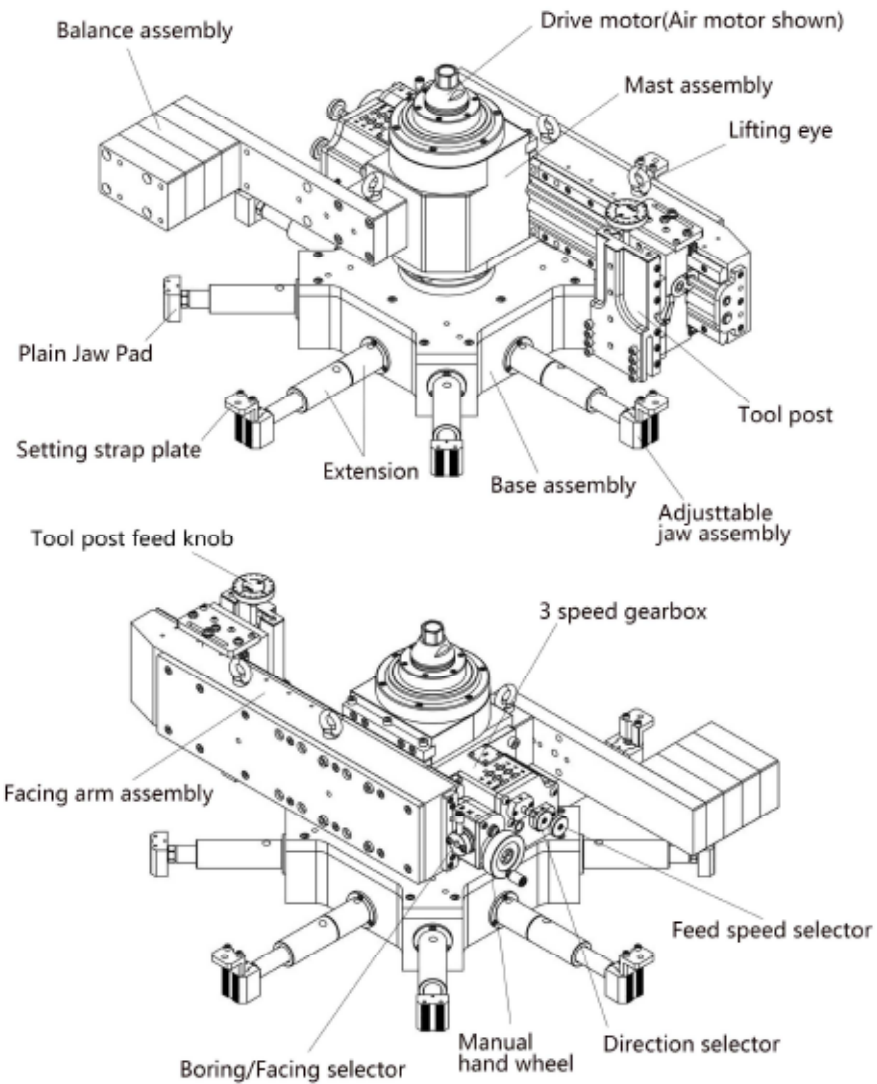
EFF1000 Shipping Details		
	Description	Data
Servo motor	Machine weight, approximate	150Kg(330lbs)
	Shipping weight, approximate	250Kg(551lbs)
	Transportable case dimension	Length×Width×Heigh:1250×640×770mm
Air motor	Machine weight, approximate	120Kg(265lbs)
	Shipping weight, approximate	220Kg(485lbs)
	Transportable case dimension	Length×Width×Heigh:1250×640×580mm



# EFF1000

## FLANGE FACERS

### CONFIGURATIONS



### PACKING DETAIL







# EFF1000

## FLANGE FACERS

### SET-UP & MACHINING

1 Install the proper base to the inner hole



2 Install and align the machine



3 Machining the flange facing & grooves

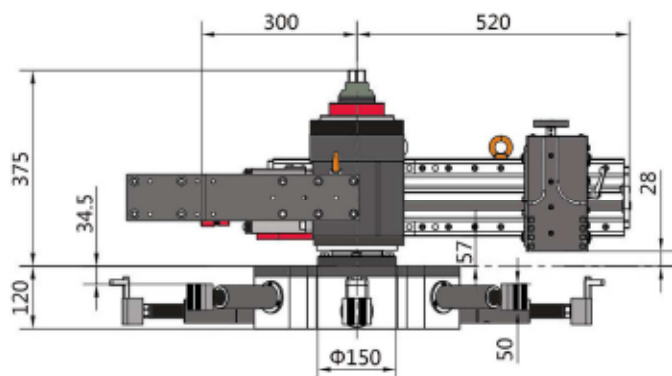


4 Testing & Antirust treatment

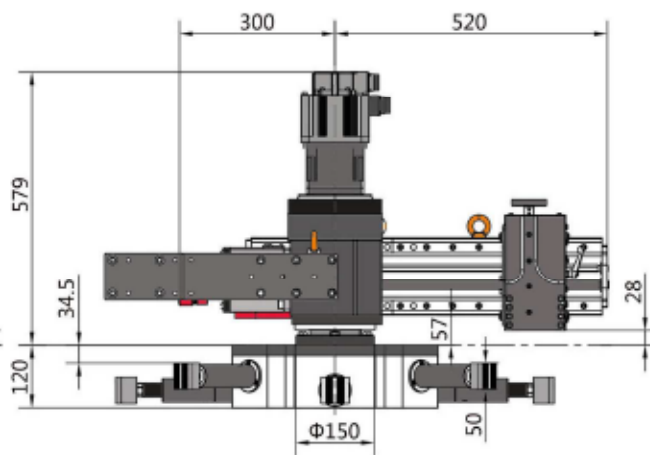


### DIMENSIONS

Dimension - Air motor



Dimension - Servo motor





# CONTACT

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## Portable

- ➔ **Line Boring Machine**
- ➔ **Flange Facer**
- ➔ **Pipe Beveling Machine**
- ➔ **Split frame cold cutter and beveler**
- ➔ **Shaft Lathe**

## Machine Tools

