



EFF610

FLANGE FACERS





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The Flange Facer EFF610 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 80mm(3.15") to 610mm(24") and features 2 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 machining standard FF and RF flange facings, RTJ and other V grooves, weld reparations, etc. The EFF610 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
- ◎ 2 continuous groove facing feeds for a gramophone finish (ASME Standard)
- ◎ 3 different sized quick set independent bases for improved on-site operation
- ◎ 360° Swivel tool post for groove details
- ◎ Sturdy storage



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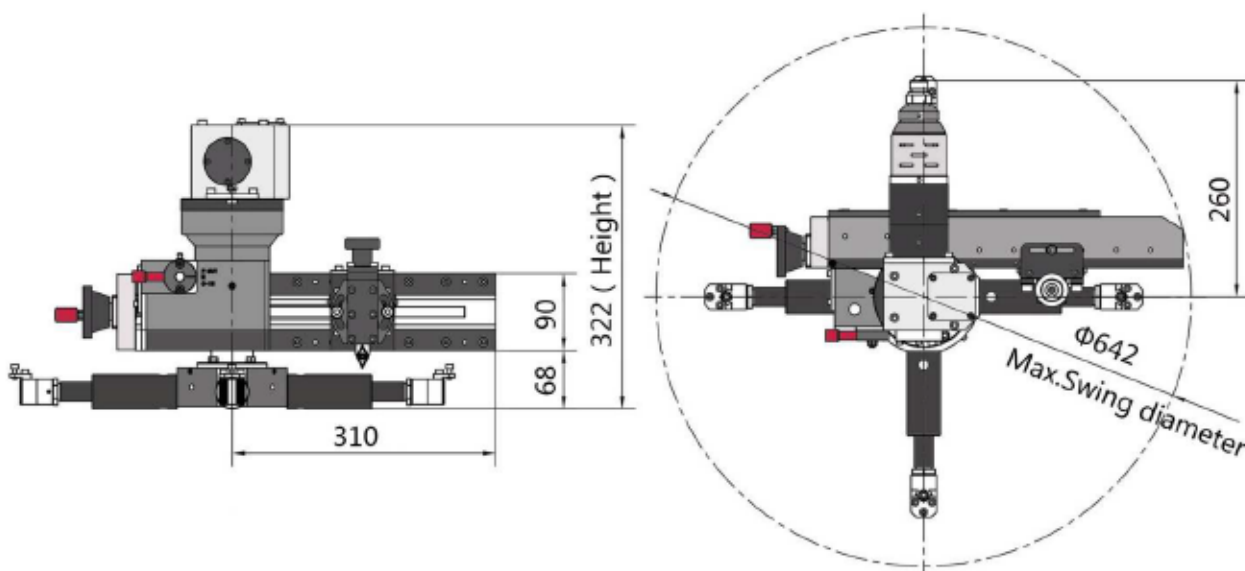
Specifications

EFF610 Specification (Air motor)		
No	Description	Data
1	Facing Diameter Range	80-610mm(3.15"-24")
2	Clamping Diameter Range	59-570mm(2.32"-22.44")
3	Tool Post Travel	40mm(1.57")
4	Motor	Air motor
5	Output	1.0Kw(1.34Hp)
6	Air supply needed@90psi	1.0 m ³ /min
7	Rpm(max)	45rpm

EFF610 Specification (Servo motor)		
No	Description	Data
1	Facing Diameter Range	80-610mm(3.15"-24")
2	Clamping Diameter Range	59-570mm(2.32"-22.44")
3	Tool Post Travel	40mm(1.57")
4	Motor	Servo motor(Panasonic)
5	Output	1.0Kw(1.34Hp)
6	Power supply	Single phase 220V-50Hz
7	Rpm	0-57rpm

Facing Feed Rates			
Direction	Gear	rate (mm/rev)	rate (inch/rev)
OUT	F	0.125	0.005
IN	C	0.5 (ASME B-16.5)	0.02

EFF610 Shipping Details		
	Description	Data
Servo motor	Machine weight, approximate	63.5Kg(140 lbs)
	Shipping weight, approximate	84.5Kg(186lbs)
	Transportable case dimension	Length×Width×Height: 830×610×570mm
Air motor	Machine weight, approximate	63.5Kg(140 lbs)
	Shipping weight, approximate	84.5Kg(186 lbs)
	Transportable case dimension	Length×Width×Height: 830×610×570mm



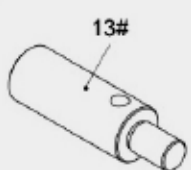
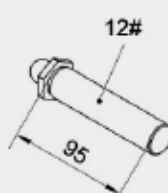
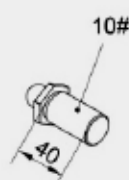
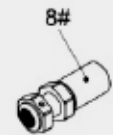
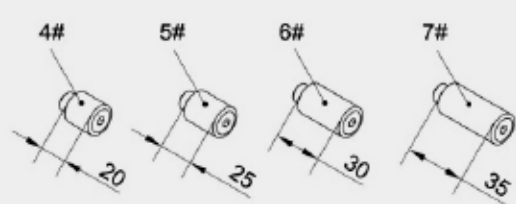
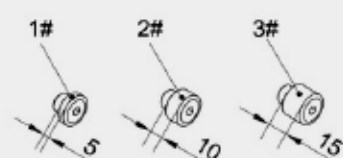
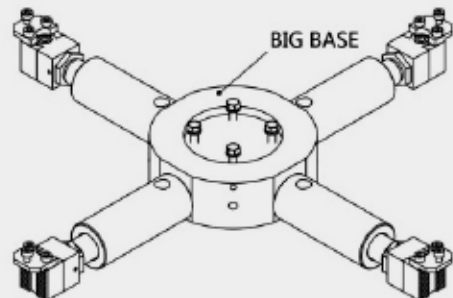
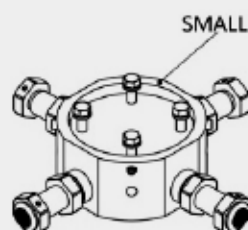
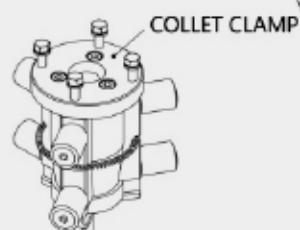


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Φ59-Φ71mm COLLET CLAMP

SMALL BASE ASSEMBLY & BIG BASE ASSEMBLY



CLAMPING DIAMETERS BASES & ACCESSORIES

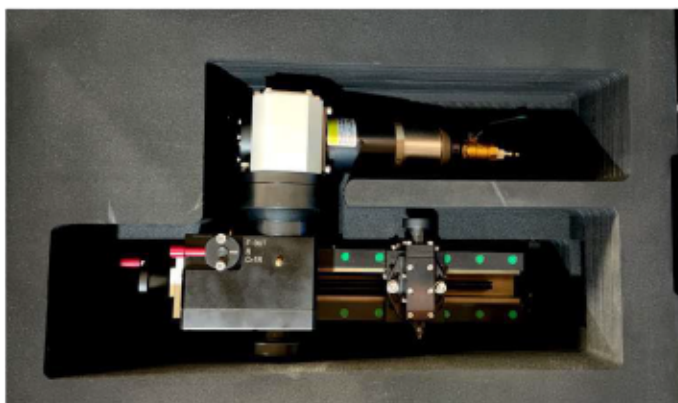
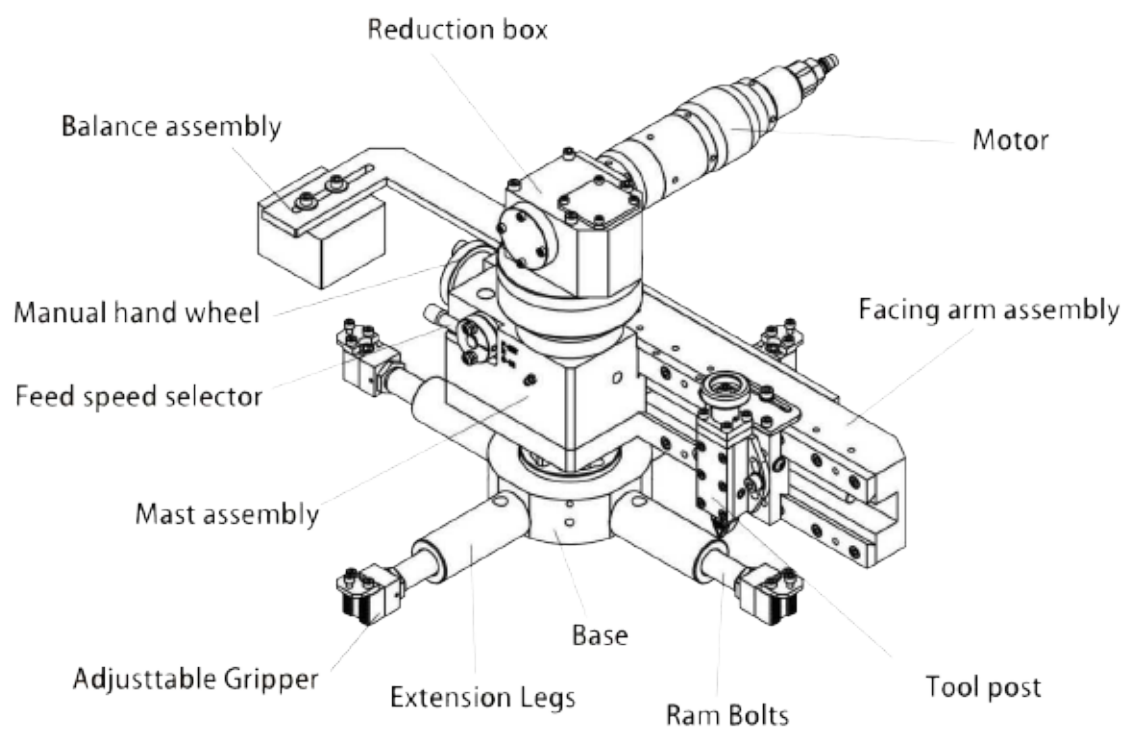
Φ59-Φ71	COLLET CLAMP
Φ69-Φ81	COLLET CLAMP+1#
Φ78-Φ91	COLLET CLAMP+2#
Φ88-Φ101	COLLET CLAMP+3#
Φ98-Φ110	COLLET CLAMP+4#
Φ108-Φ120	COLLET CLAMP+5#
Φ118-Φ130	COLLET CLAMP+6#
Φ128-Φ140	COLLET CLAMP+7#
Φ132-Φ198	SMALL BASE+8#
Φ194-Φ232	SMALL BASE+9#+10#
Φ229-Φ266	SMALL BASE+9#+11#
Φ229-Φ308	BIG BASE+9#+11#
Φ303-Φ382	BIG BASE+9#+12#
Φ380-Φ430	SMALL BASE+9#+10#+13#
Φ418-Φ505	BIG BASE+9#+11#+13#
Φ490-Φ570	BIG BASE+9#+12#+13#

MIN : Φ59mm MAX : Φ570mm



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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





CONTACT

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Portable

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

Machine Tools

