

When seals are replaced, it is frequently unavoidable that the sealing faces themselves have to be remachined due to damage from heat or aggressive media. Toportable portable valve repair machines with external clamping are suitable for this type of work in pipelines, on large valves, pumps, chemical plant, turbine housings, heat exchangers etc. Simple installation, low weight and flat design of the machines make use of these machines possible on site in almost any position. The required roughness of the sealing faces can be obtained due to variable feeds during machining. Inclined faces can be machined using additional tools.

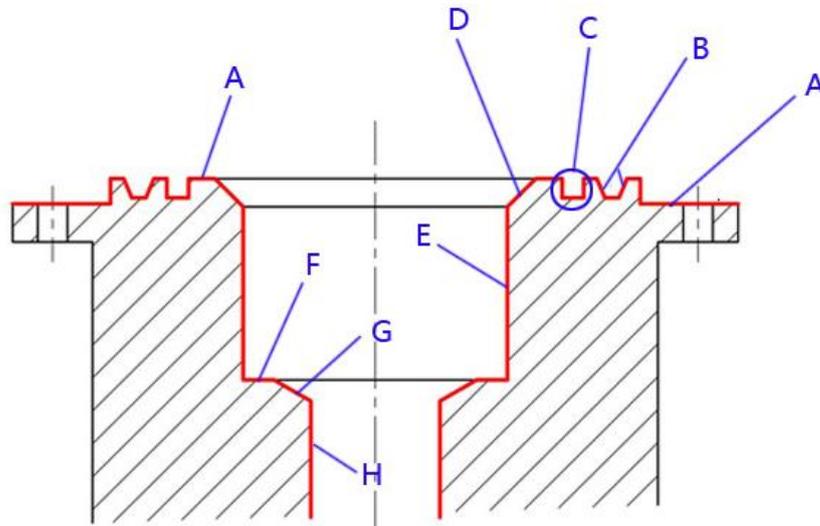


Our TDF400-A portable valve repair machine is a multi-functional equipment. The standard accessory is a turning machine. The optional accessories enable TDF400-A to finish different works.

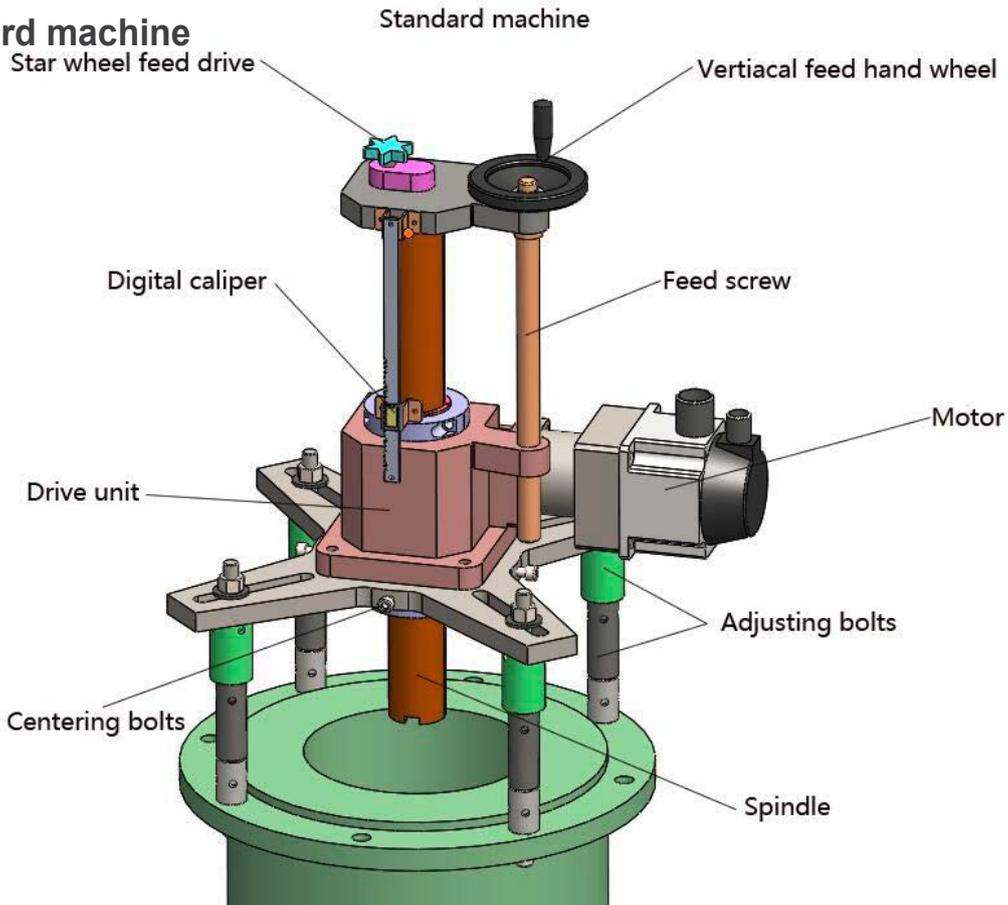
Optional Accessories include:

- Facing head ◦ boring head ◦ taper lathe ◦ grooving head

— Machining options



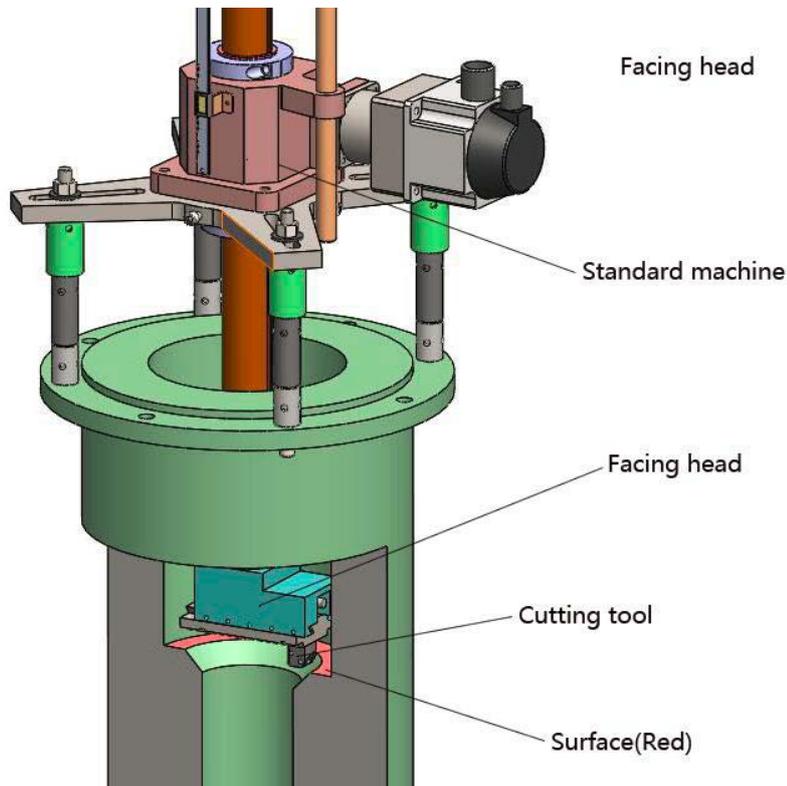
## 1. Standard machine



## 2. Facing head

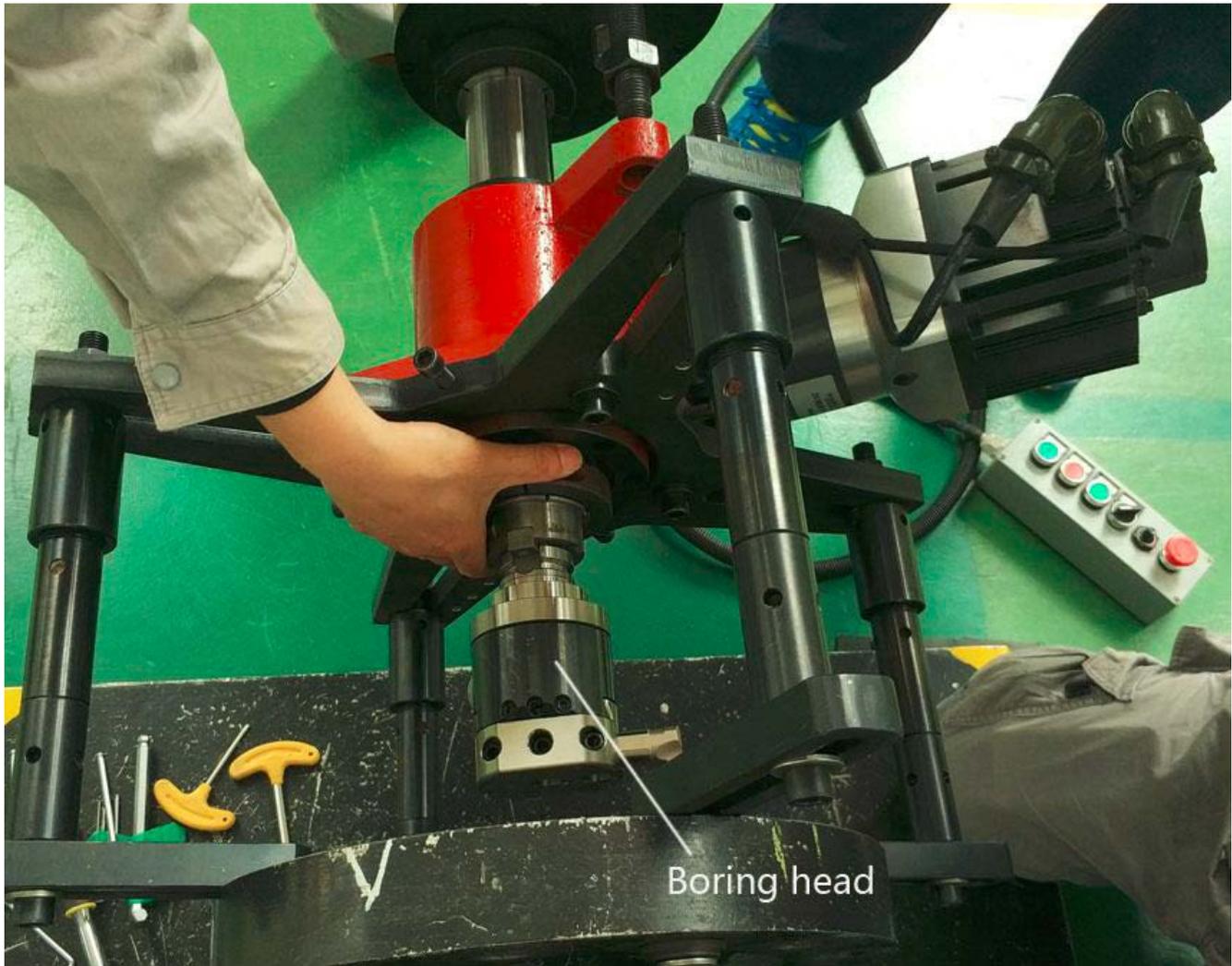
Facing head can finish surface **ACF**

We can design the dimension of the facing head according to customer's requirement.



## 3. Boring head

Boring head can finish surface **E H**

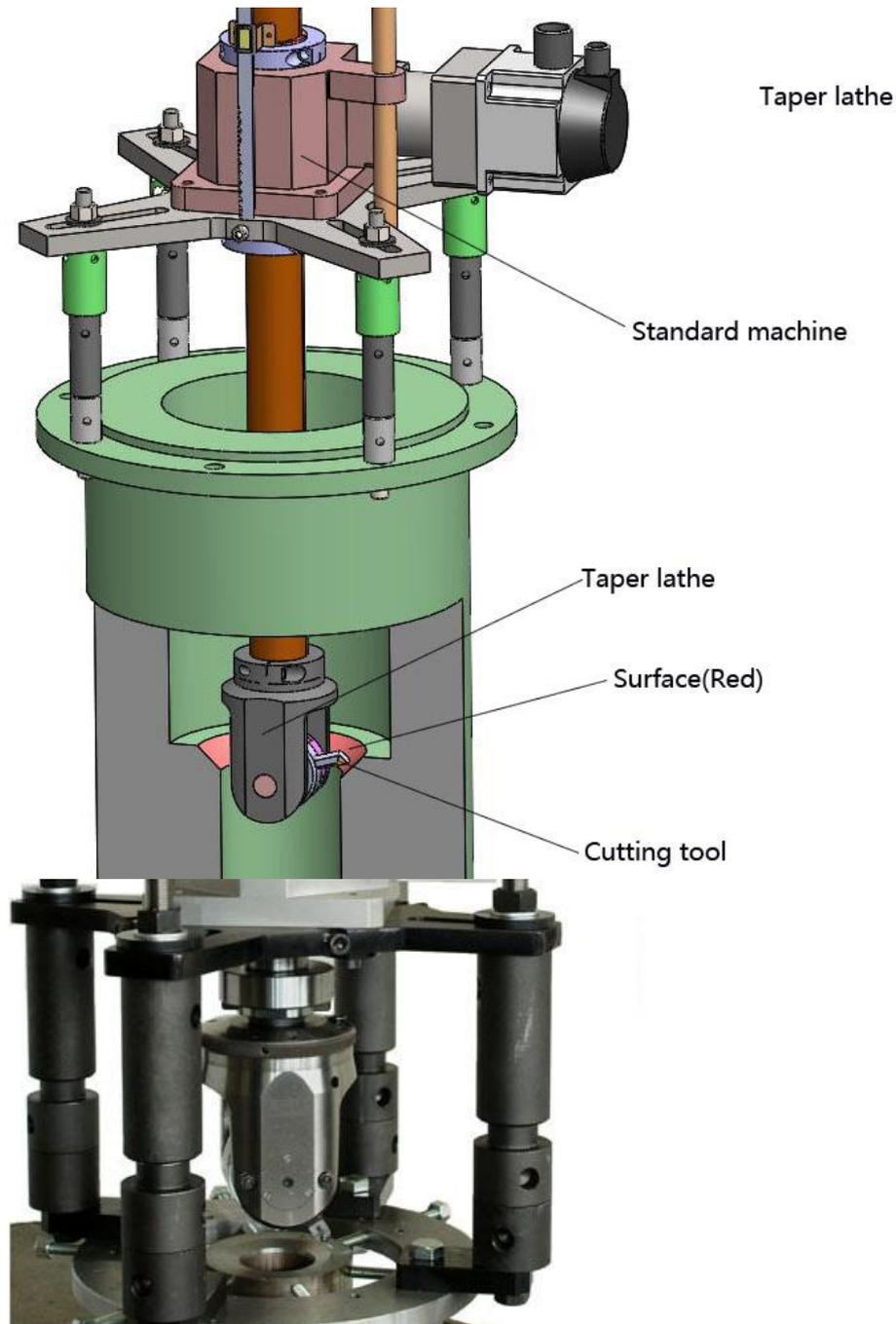


## 4. Taper lathe

Taper lathe can finish surface **D G**

Taper lathe allow conical surfaces to be machined.

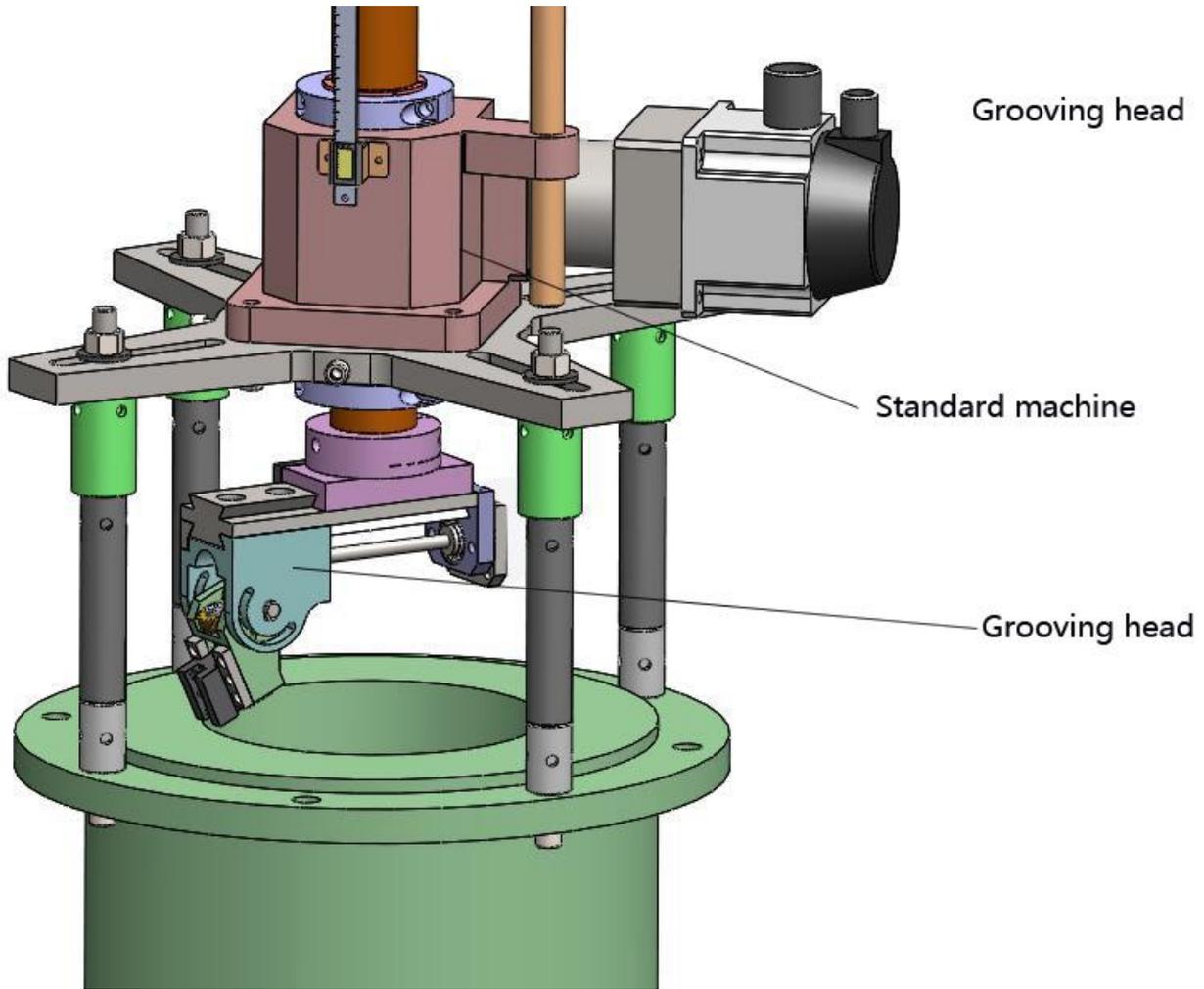
Taper lathes allow any angle to be machined from **0°-90°**



## 5. Grooving head

Grooving head can finish surface **BCD**

Grooving head allow Grooves to be machined.



Facing



Grooving



Boring

Technical Details	
Mounting Diameter	100mm to 400mm (3.94-15.75 inches)
Facing Diameter	0-400mm (0-15.75 inches)
Facing head dimension	Φ200
Radial Stroke	40 mm (1.57 inches)
Axial Stroke	300 mm (11.8 inches)
Taper Lathe Stroke	36 mm (1.42inches)

These technical parameters are only preliminary. The machining range can be designed according to customer's requirement.