

# Flange Facing FXB630

## Technical documentation

### FXB630

A lightweight, portable, flange facing, grooving and weld preparation machine full face, raised face and grooved flanges from 153mm - 762mm (6" - 30")

The Silk FXB630, as all other machines in the range is constructed from the highest quality materials, and will give machine shop accuracy. It consists of the four main assemblies.

### Base Assembly

Three separate, hard anodised cast aluminium bases with steel threaded inserts and adjustable feet enable the machine to be installed perfectly level and central in any flange from 153mm (6") to 762mm (30") in diameter.

Each assembly consists of a flat triangular casting with a radius across each corner, a hole is tapped into these corners along with one on each flat side which enable the bases to be centralised into a variety of bore sizes. Setting straps are also provided to help in the original positioning of the base to the correct depth.

### Drive Hub Assembly

The machine is driven by a 1.2kw (1.55hp) pneumatic motor, mounted directly to the drive hub assembly. This hub provides the drive input to the gearbox and provides a ridged support for the surfacing arm. The whole hub assembly casting is powder coated after machining for a knock resistant finish.

### Drive Gearbox

This is mounted directly to the drive hub assembly and with the use of either leadscrew provided gives specific surface finishes, (see table opposite). Traverse is selected by a push/pull rod, which selects traverse IN, traverse OUT and a neutral N position, which is used for manually positioning the tool.

### Cutting Arm Assembly

Mounted on the drive hub assembly this provides the rigid structure to which the toolpost is fitted. It can achieve cuts up to a maximum depth of 2mm (0.079") on flanges without Bolt Holes or 0.5mm (0.02") with holes and can achieve a flatness better than 0.04mm (0.0015") at 762mm (30") diameter. All slideways are coated for rust resistance and 12mm square tooling is supplied as standard.

### Quality

All TEAM Engineering activities are conducted in strict conformance to the ISO9001 quality system

### Silk Design Department

All Silk machines are used by our on-site service technicians and over the years, we have modified and designed attachments to enable the Silk range of machine tools to undertake many specialist applications. Can we help you? Comprehensive CAD facilities operated by qualified design engineers and experienced project engineers are able to meet your exact requirements.



Integrated Solutions to Piping Problems | [www.patriot-int.com](http://www.patriot-int.com)

#### The Netherlands

Dordrecht

T: +31 (0) 78 652 41 11

E: [info@patriot-int.com](mailto:info@patriot-int.com)

#### United Kingdom

Aberdeen

T: +44 (0) 1224 724726

E: [info@patriot-int.com](mailto:info@patriot-int.com)











#### Belgium

Antwerp

T: +32 (0)36 00 17 07

E: [info@patriot-int.com](mailto:info@patriot-int.com)



10 TPI		6 TPI	
			
	8Rad		8Rad
1	40 CLA	1	55 CLA
2	50 CLA	2	75 CLA
3	80 CLA	3	140 CLA
4	175 CLA	4	325 CLA
	4Rad		4Rad
1	65 CLA	1	75 CLA
2	80 CLA	2	95 CLA
3	100 CLA	3	175 CLA
4	175 CLA	4	400 CLA
	8Rad		8Rad
1	1.0 CLA	1	1.9 CLA
2	2.0 CLA	2	2.35 CLA
3	2.5 CLA	3	4.37 CLA
4	4.37 CLA	4	10.0 CLA
	4Rad		4Rad
1	1.67 CLA	1	1.69 CLA
2	2.0 CLA	2	2.35 CLA
3	2.5 CLA	3	4.37 CLA
4	175 CLA	4	10.0 CLA

### Features

- Lightweight
- Machine shop accuracy
- Operates in any position
- Ready to use from site transportable case
- Quiet operation
- Gearbox and lead screw combination gives known finishes

### Specifications

Principle Dimensions as  
FXB630

Integrated **Solutions to Piping Problems** | [www.patriot-int.com](http://www.patriot-int.com)

#### The Netherlands

Dordrecht

T: +31 (0) 78 652 41 11

E: [info@patriot-int.com](mailto:info@patriot-int.com)

#### United Kingdom

Aberdeen

T: +44 (0) 1224 724726

E: [info@patriot-int.com](mailto:info@patriot-int.com)

#### Belgium

Antwerp

T: +32 (0)36 00 17 07

E: [info@patriot-int.com](mailto:info@patriot-int.com)

