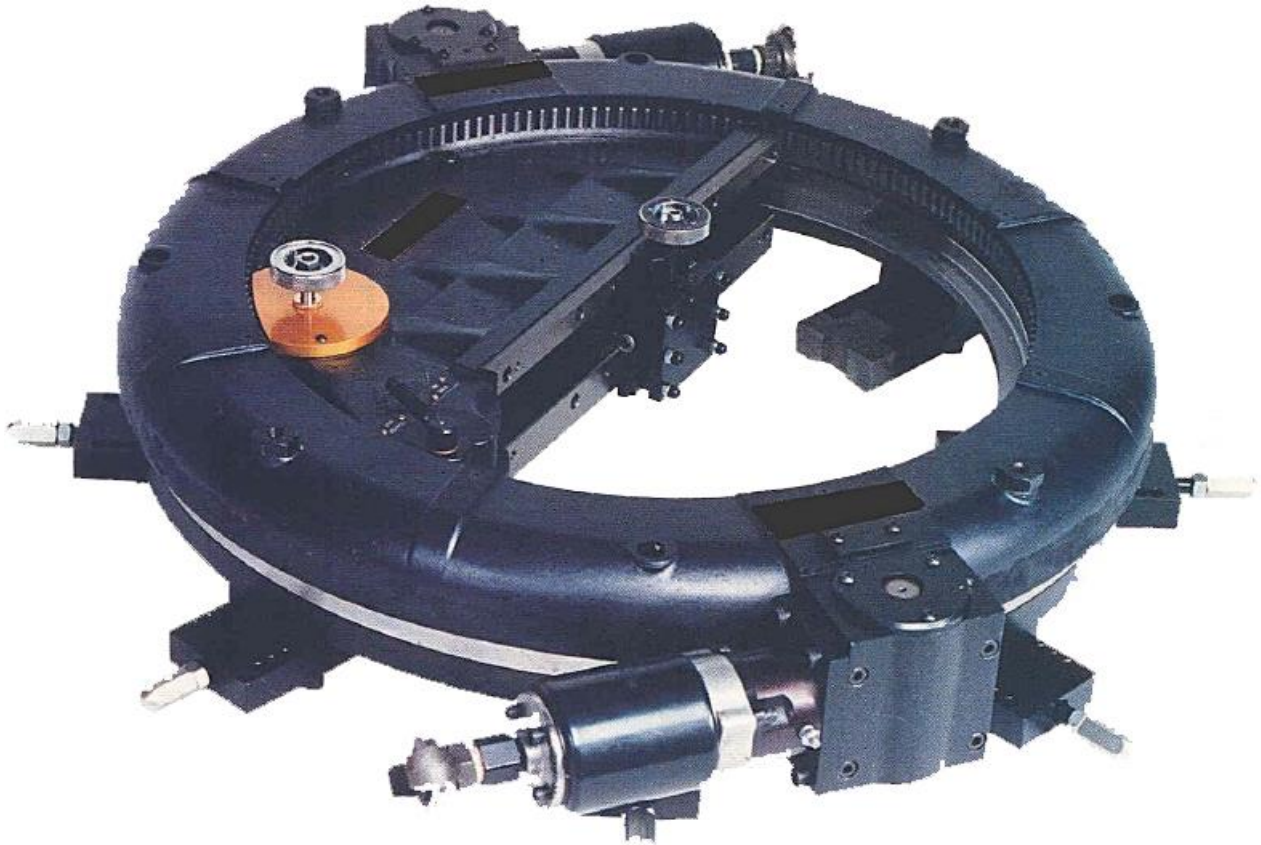


# Mactech Europe

## AX024 FLANGE FACER



A portable flange facing and grooving machine designed for machining full faced, raised face and grooved flanges up to 23<sup>3</sup>/<sub>4</sub>" (603mm) in diameter.



### Features

- Compact
- Portable
- Externally mounted
- Operates in any position
- Cuts 'O' ring grooves, vertical grooves, 'V' Grooves, lens ring facings and weld preparations
- Achieves surface finishes from 250 CLA to 63 CLA when polishing
- Pneumatic drive permits use in hazardous areas
- Provided in own transportable case

HEAD OFFICE  
MACTECH HOUSE  
RIVERDANE ROAD  
EATON BANK TRADING ESTATE  
CONGLETON  
CHESHIRE  
CW12 1PN  
+ 44 (0) 1260 281431



[www.mactech europe.co.uk](http://www.mactech europe.co.uk)  
[info@mactech europe.co.uk](mailto:info@mactech europe.co.uk)

ABERDEEN OFFICE  
MACTECH HOUSE  
HOWE MOSS DRIVE  
KIRKHILL IND. ESTATE  
DYCE  
ABERDEEN  
AB21 0GL  
+ 44 (0) 1224 722666

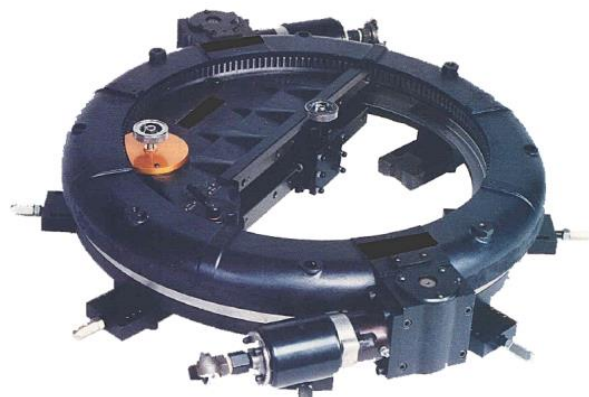


**Mactech**  
(EUROPE) LIMITED

## AX024 FLANGE FACER



Mactech Europe AX024 flange facing and grooving machine is constructed from the highest quality materials. It is designed to give machine shop accuracy combined with portability and ease of handling for work on flanges of 0"-23" diameter.



### Base Ring Assembly

Eight separate adjustable clamp blocks are provided. These can be positioned on the base ring to suit the size of flange being machined. The arrangement enables the machine to be locked in position and centred relative to the flange using adjustable screws on the clamp blocks.

### Drive Ring

The drive ring module, incorporating the bearing assembly, provides the drive for the saddle via a worm, worm wheel and internal gear arrangement. Power driving the machine is provided by two 1.55 hp pneumatic power units mounted on the drive ring.

### Saddle

The saddle is mounted on the drive ring and bearing assembly and provides a rigid structure to which the toolpost is fixed. With drive provided through the drive ring internal gear arrangement and saddle pick-up gear, the saddle and support bearings rotate around the internal gear in a planetary motion.

Toolpost traverse in and out is provided by a lead screw driven by the saddle gear train. Traverse is selected by a traverse selector.

The machine can achieve cuts to a maximum of 0.39" (1mm) without flanged holes and 0.020" (0.5mm) with flanged holes.

Alternative tool posts can be fitted to the saddle depending on the machine application.

### Table of Surfacing Feeds

Selector position	Feed (inches)	Feed (mm)
In	0.032	0.81
Out	0.008	0.20
Hand held	0.002	0.5

### Specifications

#### Principal dimensions

Overall diameter (inc. motors)	40" (1016mm)
Height	7" (179mm)
Rotational diameter	23" (584mm)
Toolpost traverse (min/max)	0"-16" (0-406mm)
Toolpost vertical travel	1½" (38mm)

#### Weights

Nett weight (less case)	387lbs (176kg)
Total shipping weight	495lbs (225kg)

#### Case dimensions

Length	38½" (980mm)
Height	18½" (470mm)
Width	31½" (800mm)

#### General information

Flange range dia. (with crank tool)	0-23¾" (0-603mm)
Gripping range (min/max)	12-23" (305-584mm)
Drive motors	Two 1.55 hp each
Minimum air supply requirement	90 psi @96 cfm
Final rotational speed	46rpm



**Mactech**  
(EUROPE) LIMITED

HEAD OFFICE  
 MACTECH HOUSE  
 RIVERDANE ROAD  
 EATON BANK TRADING ESTATE  
 CONGLETON  
 CHESHIRE  
 CW12 1PN  
 + 44 (0) 1260 281431



www.mactech europe.co.uk  
 info@mactech europe.co.uk

ABERDEEN OFFICE  
 MACTECH HOUSE  
 HOWE MOSS DRIVE  
 KIRKHILL IND. ESTATE  
 DYCE  
 ABERDEEN  
 AB21 0GL  
 + 44 (0) 1224 722666