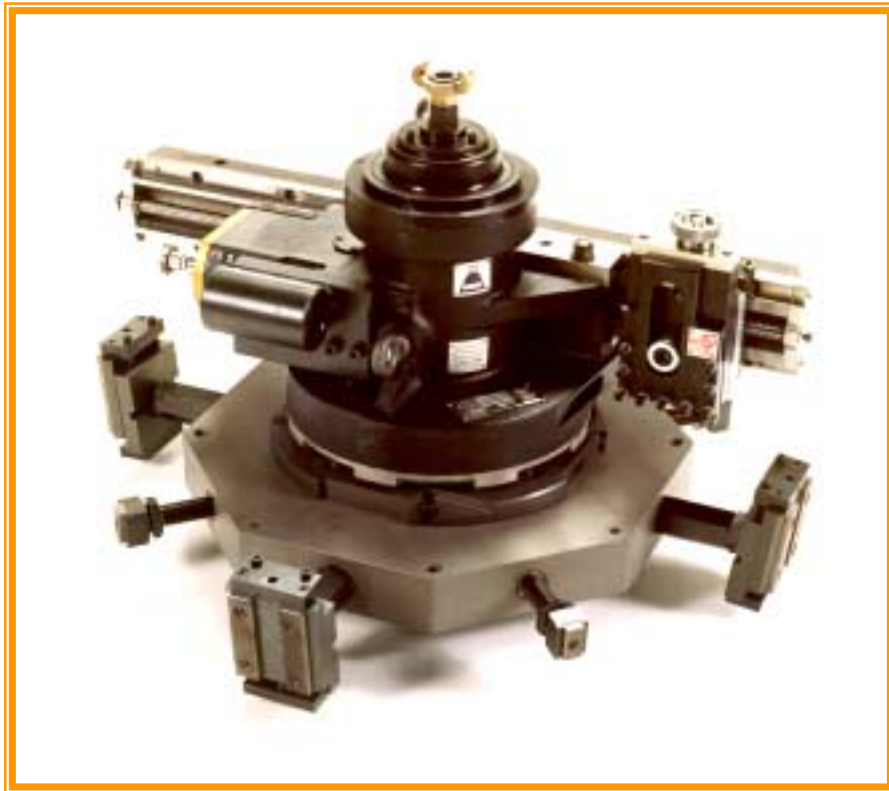




GLOBAL
MACHINE TECHNOLOGY



THE SILK AX1445 FLANGE FACING MACHINE



Lightweight, portable, flange facing, grooving and weld preparation machine designed to machine full faced, raised face and grooved flanges from 14 - 45" (355-1140mm) diameter.

FEATURES

- Automatic feed rates
- Internally mounted
- Cuts ring joint, raised face, lens ring, and hub profile seats
- Various machining kits
- Multiple surface finishes

MACHINE DESCRIPTION

The Silk AX1445 is constructed from the highest quality materials. It is designed to give machine shop accuracy combined with portability and ease of handling on flanges from 14" - 45" (355mm - 1140mm) in diameter. The machine has four main assemblies for machine operation.

The **Base Assembly** has two separate mounting bases that ensure maximum stability throughout the machining range. The bases are set up using the clocking tower bar supplied, to centralize and level the base. Four micro adjustable pads help fine position the base in the axial direction.

The **Drive** consists of a 3.5hp (2.6kw) pneumatic motor contained within the drive hub. The hub provides the drive input to the gearbox assembly and also provides a rigid support for the surfacing arm.

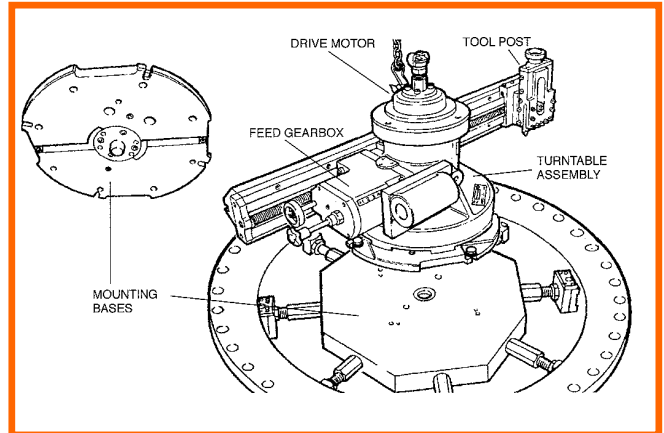
The **Drive Gearbox** is mounted on the drive hub assembly and provides a variety of cutting feeds for different machine applications. Drive input to the gearbox is derived from the drive hub take-off gear. The gearbox provides four different feed rates selected by push / pull selector. Traverse is selected by push / pull selector, which selects IN, OUT, and NEUTRAL position. The neutral position can be used for rotating the surfacing arm by hand for tool positioning.

The **Cutting Arm Assembly** is mounted on the drive hub assembly and provides a rigid structure to which the tool post is fixed. Feed in and out is provided by a leadscrew which is driven by the gearbox and designated by the gearbox selector.

OPTIONAL ACCESSORIES:

Tube Sheet Mounting Kit
 Tube Sheet Backfacing Kit
 V-Groove Machining and Measuring Kits

This machine like other Silk manufactured goods are conducted in strict conformance to the ISO 9001 quality system.



Specifications

Principal Dimensions

Machine height	16.5" (410mm)
Min. mounting base diameter	14" (355mm)
Min. rotational clearance	31.5" (800mm)
Toolpost travel	1-9/16" (40mm)

Weights & Case Dimensions

Machine (less case)	500 lbs. (227 Kg)
Total shipping weight	660 lbs. (300 Kg)
Length	40" (1015mm)
Width	25" (640mm)
Height	32" (810mm)

General Information

Power output	3.5 hp (2.6 kw)
Drive motor speed	185RPM Max.
Flange range:	
Minimum diameter	14" (355mm)
Maximum diameter	45" (1143mm)
Min. bore diameter	14" (355mm)
Max. bore diameter	38" (965mm)
Air supply requirements	90PSI @ 95CFM 6bar @ 2.7 m ³ /min.

Table of Surfacing Feeds

Gearbox	Feed (in)	Feed (mm)
Position 1	0.007	0.18
Position 2	0.010	0.25
Position 3	0.018	0.46
Position 4	0.033	0.84

For further details contact:



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