



GLOBAL
MACHINE TECHNOLOGY



THE SILK AX321 FLANGE FACING MACHINE



Lightweight, portable, flange facing, grooving and weld preparation machine designed to machine full faced, raised face and grooved flanges from 3-21" (75-533mm) diameter.

FEATURES

- Automatic feed rates
- Internally mounted
- Cuts ring joint and raised face flanges, weld preparation
- Various machining kits
- Multiple surface finishes

MACHINE DESCRIPTION

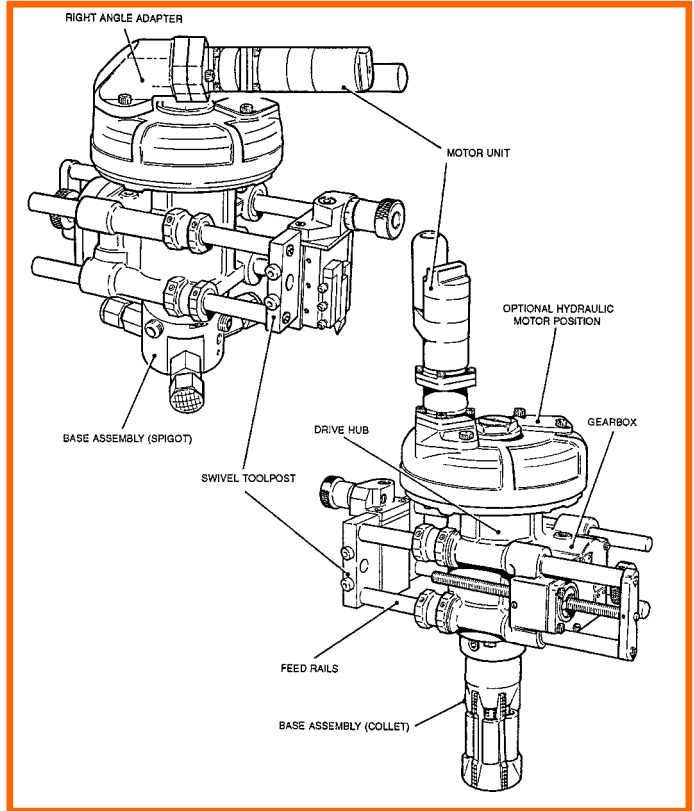
The Silk AX321 is constructed from the highest quality materials. It is designed to give machine shop accuracy combined with portability and ease of handling on flanges from 3" - 21" (75mm - 533mm) in diameter. The machine has three main assemblies for machine operation.

The **Base Assembly** has two separate mounting bases that enable the machine to be installed in the center of any flange from 3" - 21" (75mm - 533mm). For bores between 3" - 6" (75 - 150mm) a unique collet system is used. Bores 4" - 10" a self aligning independent jaw chuck base is utilized.

The **Drive Unit** consists of a .85hp (0.66kw) pneumatic motor, which can be mounted vertically or horizontally to the drive hub.

The **Feed System** utilizes four feed rails and a crosshead supported by precision linear bearings for rigidity and accuracy. Two leadscrews are supplied to give a fine and coarse feed for a total of four surface finishes.

Drive input to the gearbox is derived from the drive hub take-off gear. The gearbox provides two 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.



Leadscrew	Feed (in)	Feed (mm)
Fine 1	0.006	0.16
Coarse 1	0.026	0.66
Fine 2	0.010	0.25
Coarse 2	0.039	1.00

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

Specifications

Principal Dimensions

Machine height	23" (584mm)
Min. mounting base diameter	3" (75mm)
Min. rotational clearance	14-1/4" (360mm)
Toolpost travel	1-1/4" (32mm)

Weights & Case Dimensions

Machine (less case)	58 lbs. (26.5 Kg)
Total shipping weight	136 lbs. (62 Kg)
Length	20" (508mm)
Width	18" (460mm)
Height	16" (406mm)

General Information

Power output	.85 hp (.65 kw)
Drive motor speed	40 - 350RPM Max.
Flange range:	
Minimum diameter	3" (75mm)
Maximum diameter	21" (533mm)
Min. bore diameter	3" (75mm)
Max. bore diameter	10" (254mm)
Air supply requirements	80PSI @ 80CFM 5bar @ 2.2 m ³ /min.

For further details contact:



11932 Brittmoore Park Drive, Houston, TX 77041
Tel. 832-467-4040 Watts. 800-516-9626
Fax. 832-467-4240