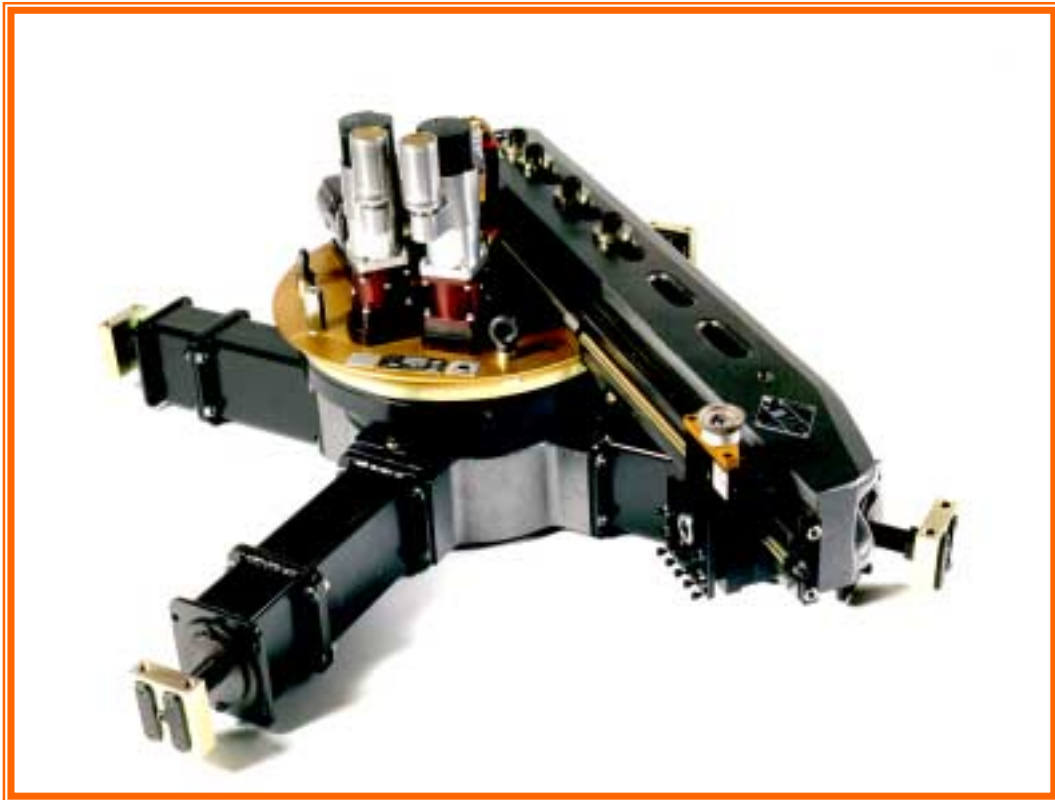




GLOBAL
MACHINE TECHNOLOGY



THE SILK AX2872 FLANGE FACING MACHINE



Lightweight, portable, flange facing, grooving and weld preparation machine designed to machine full faced, raised face and grooved flanges from 28 - 72" (711- 1829mm) diameter.

FEATURES

- Automatic feed rates
- Internally mounted
- Cuts ring joint, raised face, lens ring, and hub profile seats
- Ideal for heat exchanger gasket repair
- Multiple surface finishes

MACHINE DESCRIPTION

The Silk AX2872 is constructed from the highest quality materials. It is designed to give machine shop accuracy, combined with ease of handling and portability in the flange range of 28" (711mm) to 72" (1829mm). The machine consists of (4) main modules:

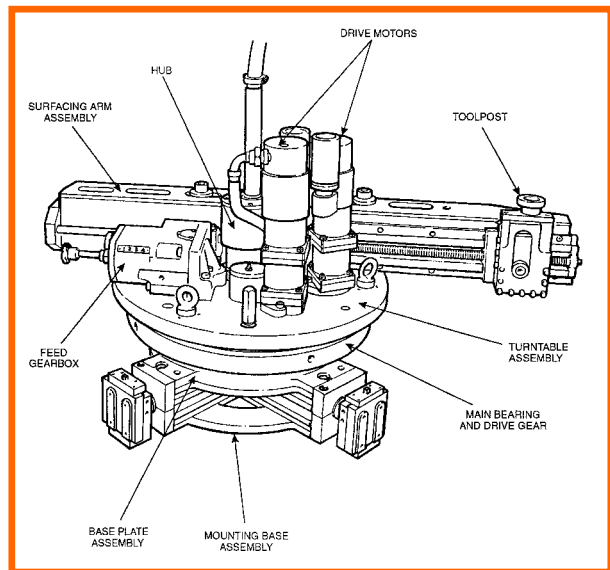
The **Mounting Base** assembly enables the machine to be installed in the center of the flange. It consists of a cruciform body provided with four adjustable clamping jaw assemblies. The mounting base is installed and aligned prior to the turntable installation.

The **Turntable Assembly** provides a rigid support for the air motors, gearbox and surfacing arm assembly. The upper part of the assembly provides the rotational movement for surfacing, while the lower part remains stationary, held in position by the mounting base assembly. The **Drive Arrangement** consists of two pneumatic motors mounted directly into the ring gear, which in turn is mounted to the main bearing. The use of two motors enables the overall machine height to be reduced, evens out the torque and also acts as a backlash eliminator and cush drive.

The **Feed Gearbox** is mounted on the turntable assembly providing a variety of cutting feeds for different applications. Drive input to the gearbox is derived from the mast transfer gear. The gearbox provides four different feed rates selected by a push / pull selector. Traverse is also engage by a push / pull selector, which gives traverse IN, traverse OUT and Neutral. The neutral position is used for manually positioning the toolpost.

The **Cutting Arm Assembly** is mounted on the turntable to provide a rigid structure to which the toolpost is fixed. Feed in and out is provided by a leadscrew, driven by the gearbox output gear. Feed rate is selected at the gearbox. Material, tooling and conditions permitting, the cutting arm assembly can achieve cuts to a maximum depth of 0.079" (2mm) without flange holes and 0.02" (0.5mm) with flanged holes.

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



OPTIONAL ACCESSORIES

Tube Sheet Mounting Kit
Tube Sheet Back Facing Kit
O.D. Mounting Kit
Orbital Milling Kit

Specifications

Principal Dimensions

Machine height	21" (534mm)
Mounting base width	4-1/2" (114mm)
Min. mounting base diameter	28" (711mm)
Min. rotational clearance	51" (1300mm)
Toolpost travel	1-9/16" (40mm)

Weights & Case Dimensions

Turntable weight	470 lbs. (214 Kg)
Base weight	224 lbs. (102 Kg)
Total shipping weight	1177 lbs. (535 Kg)
Length	57" (1450mm)
Width	25" (630mm)
Height	35" (900mm)

General Information

Power output	4 hp (3 kw)
Drive motor speed	20 - 275RPM Max.
Flange range:	
Minimum diameter	28" (711mm)
Maximum diameter	72" (1829mm)
Min. bore diameter	28" (711mm)
Max. bore diameter	60" (1524mm)
Air supply requirements	90PSI @ 95CFM 6bar @ 2.7 m ³ /min.

For further details contact:



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