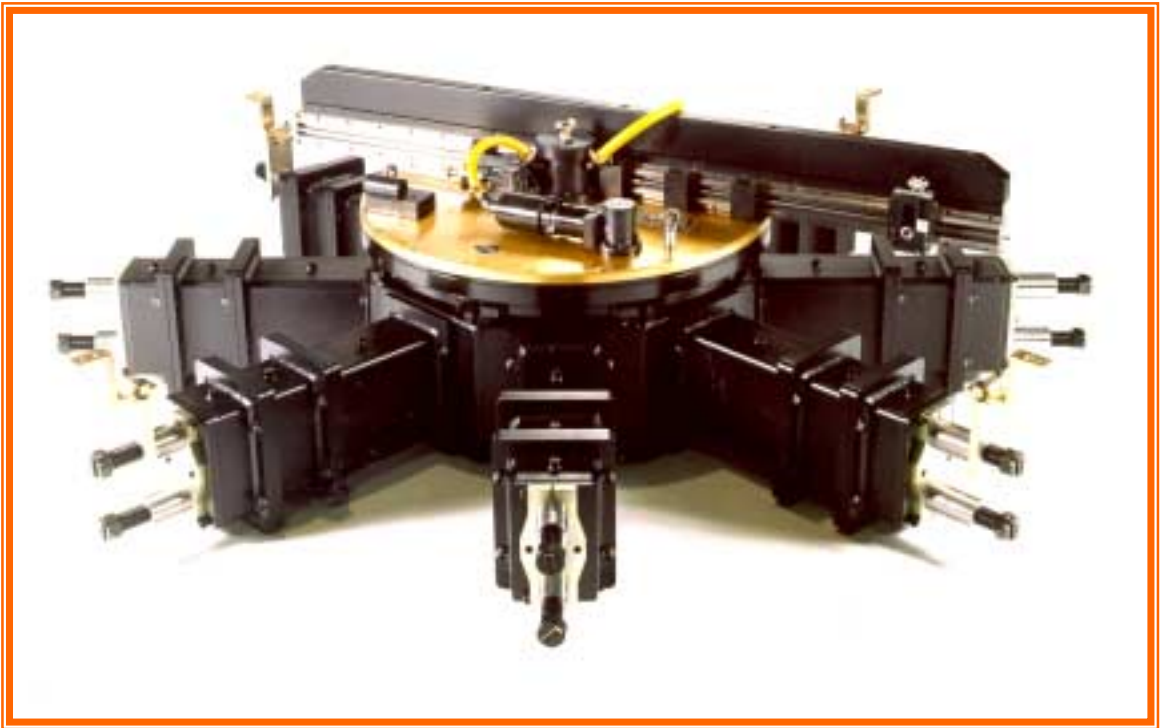




GLOBAL
MACHINE TECHNOLOGY



THE SILK AX48120 FLANGE FACING MACHINE



A modular portable machine for flange facing, grooving, and weld preparation. The Silk AX48120 is designed to machine full faced, raised face, and grooved flanges having a minimum bore of 48" (1219mm) and a maximum outside diameter of 120" (3048mm).

FEATURES

- Modular construction
- I.D. & O.D. mounting
- Operates in any position
- Cuts all flange types
- Multiple surface finishes
- Pneumatic or Hydraulic drives

MACHINE DESCRIPTION

The Silk AX48120 Flange Facer is constructed of the highest quality materials. It is designed to give machine shop accuracy combined with portability and ease of handling for on-site machining of flanges from 48" to 120" (1219mm to 3048mm).

The machine consists of four main modules:

The **Mounting Base** is an eight-ram radial clamping chuck. Adjustable clamping jaws on four of the rams are adjusted by integral rack and pinion arrangement, operating in similar fashion to a conventional four-jaw chuck. Sectional box lengths bolt together for the appropriate I.D. mounting arrangement.

The **Turntable** provides a rigid support for the slide arm and incorporates two pneumatic motors and right angle feed gearbox. It bolts directly to the base after the base module has been leveled and radially positioned. Using the two pneumatic motors enables the torque to be evened out and also acts as a backlash eliminator. Air input to the motor units is via the center hub manifold.

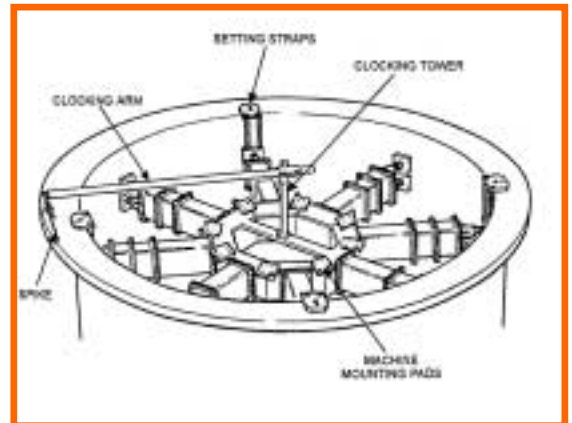
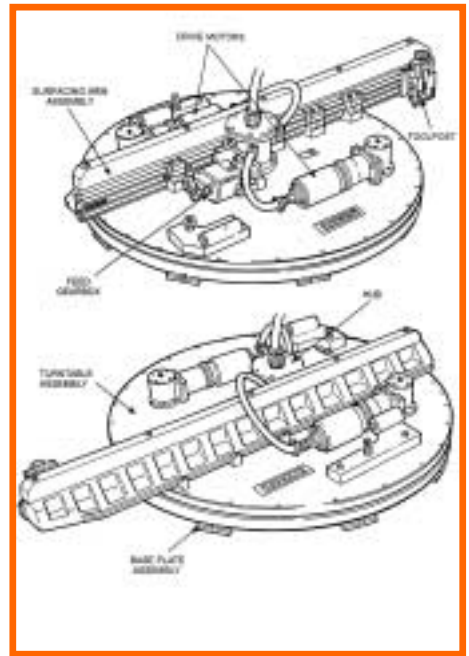
The **Cutting Arm** mounted to the turntable, provides a rigid structure to which the tool post is secured. Feed in and out is provided by a leadscrew, driven by the gearbox pick-up gear. Feed is selected at the gearbox. The cutting arm assembly permits cuts to a maximum depth of 0.079" (2mm) without flange holes, and 0.02" (0.5mm) with flange holes. A variety of tools can be fitted to the tool post according to the finish and cut required.

The **Drive Gearbox** is mounted to the turntable and provides a variety of cutting feeds for different machining applications. Drive input to the gearbox is derived from the hub transfer gear. Four feed rates can be selected by means of a push / pull selector. Traverse is also selected by a push / pull selector with three positions, traverse IN, traverse OUT, and neutral (N).

OPTIONAL ACCESSORIES:

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

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



SPECIFICATIONS

Weight of turntable (case 1)	2800lbs. (681kg)
Weight of base (case 2)	1361lbs. (526kg)
Total shipping weight	4180lbs. (1445kg)
Case dimensions (1)	96" x 24" x 51" 2438 x 610 x 1295mm
Case dimensions (2)	51" x 13" x 51" 1295 x 330 x 1295mm
Flange range	135" (3429mm) Max O.D. 48" (1219mm) Min bore 120" (3048mm) Max bore
Power output	(2) - 3.5hp (2.6 kw) motors
Air supply requirements	90PSI @140CFM

For further details contact:



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