

Wickman 1"-8 spindle bar automatic



This new machine has been added to the well-established range of Wickman 4, 6 and 8 spindle Bar and Chucking Automatics as a result of market surveys and in response to demands from existing and potential users.

The machine has a modern clean appearance, follows the general design of the existing Wickman range and is based on the 1 :y.," 6 spindle. It offers a combination of the simplicity and robustness of all machines having a central main toolblock, with the possibility where required of selecting from a wide range of standard and auxiliary end-working slides and other standard and special attachments.

In comparison with the Wickman 1" 6 spindle machine the extra working stations of the 1" 8 offer the opportunity of further sub-dividing the work to be done, resulting in shorter working times with the advantage of simplifying tooling in each station, thus making setting easier. With 8 working stations available there is a greater possibility of completing the workpiece without undue complication, eliminating work handling for second operations and significantly reducing production times.

As on all other Wickman multi-spindle machines, the spindle drum, which has widely spaced bearings in it's housing, is over indexed slightly past the locator and then drawn back to lock by the toggle locking mechanism - a system which has proven long life and lasting accuracy. An improved drum seal and thrust arrangement is provided.

The Wickman 1" 8 spindle Automatic also includes the following versatile features:

Main tool block and two upper independent end-working slides which are supplemented by the provision of auxiliary end-working attachments in 4 additional stations (2 each side of the machine).

Front and rear lower and upper main cross slides, and front and rear intermediate dual purpose cross slides each serving two stations.

Adjustable stroke bar feed is provided in one of two optional stations on each side of the machine. Double bar feeding can therefore be adopted for the increased production of a simple component or, rarely, the production of two components on a simultaneous set-up.

The machine can be built, on demand, with spindle stopping clutches and brakes with a wide range of choices.

Electro magnetic feed clutch and fail-safe braking has been incorporated in the feed drive. This is a feature which has already been introduced in many of the existing range of machines over the past few years, giving easier control and better safety.

Many other new features, the result of continuous development in multi spindle technology, have been introduced. The most significant of these new features is the system of electrically interlocked covers and guards. Conforming to the latest safety specifications, this system will automatically initiate a machine shut-down and illuminate a hazard lamp on the main control panel when an access cover is opened whilst the machine is operating. The overhead splash guards are optionally included in this system.

Improvements have also been made to collet and bar feed mechanisms, and the lubrication and coolant systems.

A full range of normal and special attachments and improved tool holders is available, many of which, as with the collet equipment, are interchangeable with the existing range of machines.