The 1”-6 Spindle Automatic has the standard Wickman design features, including the ‘no cam change’ which secure smooth running at fast production rates, and ensure consistent accuracy of components. Adjustment to the machining slides and centreblock, and setter controls designed for easy and accurate movement, ensure that maximum versatility of component machining is obtained with minimum changeover times. The machine enables efficient handling of medium and large batch production to be achieved without the necessity of cam manufacture and storage. The versatility of component production is further enhanced by the availability of the machine in spindle stopping, double and long length feed versions, and the convenient application of a large range of tooling attachments. The operator panel and production progress indication systems, having simplicity of design, promote optimum conditions which encourage fast and accurate production. Optimum performance is also secured by the lubrication, coolant and electrical systems which demand the minimum of necessary routine maintenance.
Base plan
A 8"10.3/8" (2702mm)
B 12'0" (3656mm)
C 7'1\(\frac{1}{2}\)" (191mm)
D 1'4" (406mm)
E 6'7.3/8" (2016mm)
F 2'0\(\frac{1}{2}\)" (622mm)
G 4'6.1/8" (1375mm)
H 2'3.5/8" (702mm)
I 6'7\(\frac{3}{4}\)" (2026mm)
J 5'8\(\frac{1}{2}\)" (1740mm)
K 1'7" (483mm)
L 4'9" (1448mm)
M 1'10" (559mm)
N 3'11" (1194mm)
O 3'0" (914mm)
P 6'3\(\frac{3}{4}\)" (1924mm)

Optional equipment
4th and 5th station independent long it J
3rd station forming slide
3rd and 6th station double bar feeding
a 3rd Station cut off slide.
Spindle stopping arrangement
Long bar feed arrangement
"Bijur" lubrication.
Motorised swarf conveyor'.
Comprehensive range of attachments and toolholders
(listed on separate sheet in this series).
Also special attachments built to customer requirements.

Standard equipment
Four main cross slides
6th station cut off slide
Main hexagon block
Machine mounted control panel with 'Star Delta'
automatic starter.
15 HP (11 kW) foot mounted motor
6th station single bar feed with auto stop mechanism.
Complete coolant system, splash guards and work lighting.
Tool kit and setting gauges
Lined stock carriage
Set of solid collets, feed fingers and steady bushes
Sets of standard feed and speed gears

Specification
Bar capacity
Round 1" (25.4 mm)
Hex. (A/F) 0.86" (21.8mm)
Square (A/F) 0.70" (17.7 mm)
Bar feed stroke
Standard 0-5" (0-127 mm)
Long bar feed 1\(\frac{1}{2}\) -8" (12-203 mm)
Double bar feed 1\(\frac{1}{2}\) -5" (12-127 mm)
Double long bar feed 1\(\frac{1}{2}\) -8" (12-203 mm)
Feed stroke on main tool block
0-2\(\frac{1}{2}\)" (0-63.5 mm)
Feed stroke on independent slides
0-2\(\frac{1}{2}\)" (0-63.5 mm)
Approach stroke on main tool block
Standard 2\(\frac{1}{2}\)" (63.5 mm)
Special 2" (50.8 mm)
Approach stroke on independent slides
Standard 2\(\frac{1}{2}\)" (63.5 mm)
Special 2" (50.8 mm)
Feed stroke on lower cross slides
0-7\(\frac{1}{2}\)" (0-12.7 mm)
Feed stroke on upper cross slides
0-7\(\frac{1}{2}\)" (0-12.7 mm)
Feed stroke on intermediate cross slides: 1/32 - 1/16” (0.8-12.7 mm)
Motor: 11 kW at 1450 rev/min
Spindle speed range:
  - Standard: 247-3030 rev/min in 24 steps
  - Spindle stopper: 220-2694 rev/min in 24 steps
Feed range at max. stroke (/rev):
  - Standard: 0.005-0.056” (0.12-1.34 mm)
  - Spindle stopper: 0.0056-0.063” (0.13-1.51 mm)
Idle time:
  - Standard: 1.37 secs
  - Spindle stopper: 1.37 secs
  - Long bar feed: 1.92 secs
Range of cycle times:
  - Standard: 2.4-129 secs
  - Spindle stopper: 2.4-129 secs
Overall dimensions - without stock carriage: 49 1/2 x 123 3/4 ”(1257x3143mm)
Overall dimensions - with stock carriage: 49 1/2 x 238 ”(1257x6047mm)
Approximate nett weight (including electrics and stock carriage): 13890lb (6313kg)