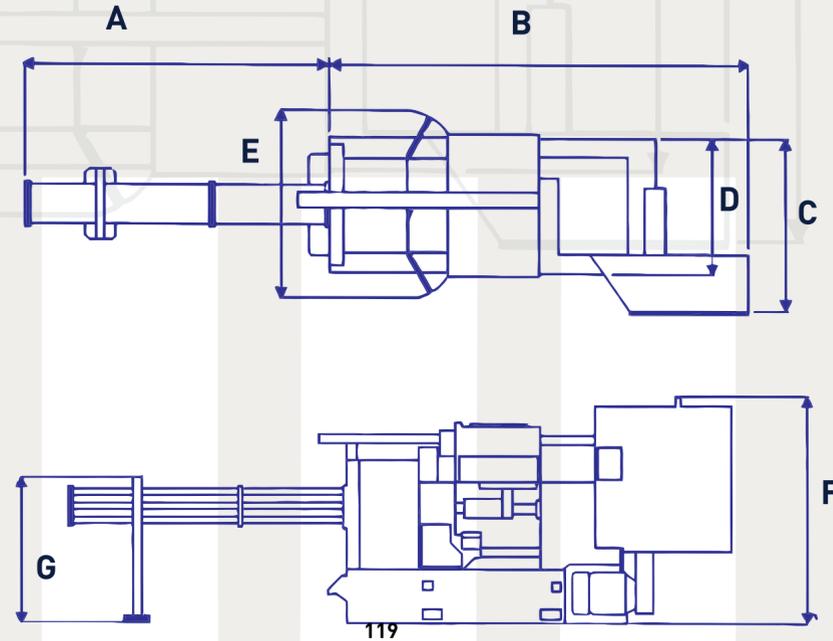


# Wickman Classic PLC 2014 Technical Data

	5/8" - 6"	1" - 6"	1.3/8" - 6"	1.3/4" - 6"	2.1/4" - 6"	2.5/8" - 6"	3.1/4"
<b>Bar Capacity</b>							
Round	5/8"	1"	1.3/8"	1.3/4"	2.1/4"	2.5/8"	3.1/4"
Hexagon (across flats)	0.54"	0.86"	1.19"	1.51"	1.95"	2.27"	2.81"
Square (across flats)	0.44"	0.70"	0.97"	1.23"	1.59"	1.85"	2.29"
<b>Bar Feed Stroke</b>	0 - 3 1/2"	0 - 5"	1/2" - 7"	1/2" - 7"	1/2" - 10"		
<b>Centre Block</b>							
Feed Stroke	0 - 2"	0 - 2 1/2"	3 1/2"	3 1/2"	4"	0 - 5"	0 - 5"
<b>Centre Block</b>							
Approach Stroke	0 - 2"	0 - 2 1/2"	3 1/2"	3 1/2"	4"	0 - 5"	0 - 5"
<b>Independent Slide Stroke</b>							
Feed Stroke	0 - 2"	0 - 2 1/2"	3 1/2"	3 1/2"	4"	0 - 5"	0 - 5"
Lower Cross Slides position 1 & 2	0 - 1/2"	0 - 1/2"	0 - 1 1/4"	0 - 1 1/4"	0 - 1 3/8"	0 - 1 3/4"	0 - 1 3/4"
Upper Cross Slides positions 4 & 5	0 - 1/2"	0 - 1/2"	0 - 1 7/8"	0 - 1 7/8"	0 - 2 1/8"	0 - 2 1/2"	0 - 2 1/2"
Intermediate Cross Slides positions 3 & 6	0 - 0.35"	1/32" - 1/2"	0 - 7/8"	0 - 7/8"	0 - 1 3/16"	1/8" - 1 13/32"	1/8" - 1 13/32"
Idle time between 268-112°C (seconds)	0.64	1.37	2	2	2.5	3	4
Spindle Speeds RPM	400-5000 RPM +/- 10% with inverter	247-3030 RPM +/- 10% with inverter	2000-132 RPM +/- 10% with inverter	1667-132 RPM +/- 10% with inverter	1302-111 RPM +/- 10% with inverter	1302-111 RPM +/- 10% with inverter	1004-77 RPM +/- 10% with inverter
<b>Range of cycle times (seconds)</b>	1.1-50	2.4-129	3.9-337	4.3-337	7-602	7.1-922	8.3-924
Coolant System Motor Power	1.1Kw	1.1Kw	1.1Kw	1.1Kw	1.1Kw	1.1Kw	1.1Kw
Lubrication System Motor Power	0.12Kw	0.12Kw	0.12Kw	0.12Kw	0.12Kw	0.12Kw	0.12Kw
Minimum start up amps							
<b>Overall Dimensions</b>							
Without Stock Carriage	36 x 115 3/4"	49 1/2" x 131 3/4"	57 3/4" x 154 3/4"	57 3/4" x 154 3/4"	58" x 164 1/2"	62" x 166"	62" x 166"
With Stock Carriage	36 x 227 1/8"	49 1/2" x 246"	57 3/4" x 2535"	57 3/4" x 2535"	58" x 164 1/2"	62" x 261"	62" x 261"
Net weight (Approximate - includes the electrical equipments and stock carriage)	6725 lb	13890 lb	17806 lb	17806 lb	22400 lbs	28000 lb	28000 lb
<b>Also available on request</b>							
8 Spindle Bar Machines							
Chucking Machines							
Spindle Stopping							
Double Bar Feed							
Long Bar Feed							

THIS DATA IS FOR GUIDANCE ONLY AND MAYBE SUBJECT TO CHANGE

## Machine Dimensions



	ACW 5/8" - 6"	ACW 1" - 6"	ACW 1 3/8" - 6"	ACW 1 3/4" - 6"	ACW 2 1/4" - 6"	ACW 2 5/8" - 6"	ACW 3 1/4" - 6"
<b>A</b>	119"	115"	106"	106"	106"	98"	98"
<b>B</b>	108"	131"	148"	148"	162"	162"	162"
<b>C</b>	44"	40"	65"	65"	60"	60"	60"
<b>D</b>	33"	42"	48"	48"	54"	55"	55"
<b>E</b>	52"	54"	68"	68"	88"	88"	88"
<b>F</b>	72"	90"	89"	89"	94"	94"	94"
<b>G</b>	54"	55"	57"	57"	60"	60"	60"

## Other Machines in our Range

### Wickman ACW Servo

Wickman ACW lathes combine the standard Wickman machine format with the advantages of AC-drive technology. Their familiar construction avoids the difficulties and expense of re-training operators and setters, in addition, tooling and attachments are fully compatible with other Wickman machines.



### Wickman ACW CNC

Wickman CNC lathes from Wickman are designed to tick all the boxes. Where you need superb machining accuracy and quick setup; the strength to machine tough materials and produce complex shapes, you need something special: Wickman; Performance-CNC.



## Wickman Worldwide

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 Spain: 0034 (0) 977 553 458    UK: 0044 (0) 2476 547 900  
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www.wickman-group.com



Upgraded, updated, classic lathes from Wickman

*Better lathes, better results*



www.wickman-group.com

## Wickman *Better lathes, better results.*

### Welcome

Our founder, Axel Wickman had determination. When he saw that something could be done better, he did it. Back in the 1930s, he designed and built the first Wickman multispindle lathe. Since that time, the business he founded has continued to improve its products, its support and its customer service. Today the Wickman Group is a global organisation, producing some of the world's finest lathes, with loyal customers and highly respected partners. Welcome to Wickman.

### Our Customers

We supply customers in industries as diverse as oil and gas exploration and agriculture. Our machines are used by the automotive and aerospace industries. In fact, anywhere there are engineers making precision components, our lathes are in use. Wickman is a user-focussed business, dedicated to improving our customer's productivity and efficiency through advanced, but affordable, technical solutions. Around the world, our customers rely on us to tailor machines to their specific needs and to supply parts and service promptly. We're proud of the relationships we build with our customers, and of our team who work tirelessly to support them.

Today the Wickman Group is a global organisation, producing some of the world's finest lathes, with loyal customers and highly respected partners.

### Our Products

We develop, manufacture and supply multispindle lathes for the production of medium to high volumes of components with dimensions ranging from 5mm to 82mm. Wickman lathes are capable of both large outputs and extremely high levels of precision. Lathes use either electro mechanical control or easy to use CNC controls. Our commitment to continuous improvement is shown in lathes with reduced set up times, great flexibility and outstanding machining accuracy. All Wickman lathes are engineered for long life and reliable performance. In addition to new lathes, we also refurbish high-quality Wickman lathes which we source from around the world. We use only genuine Wickman spares and restore our machines to their original condition and production tolerances.



Chris Barrett  
Director



Owen Coyne  
Director

### Our Team

Wickman is a worldwide business, but it's an engineering business, run by, and for, engineers. We're interested in the same things and our standards are as high as yours. You'll find, when you deal with Wickman, that we all talk the same language. Tolerances, accuracy, efficiency, affordability, and reliability are critical to you, and they are to every member of the Wickman team.



## Wickman Classic PLC

All Wickman lathes are built for a long life, but eventually they need more than routine maintenance. When that happens, we go back to the beginning, strip the machines back to bare castings and remanufacture. The result: a lathe that's better than the original, with 21st Century safety features, new controls and Wickman's trademark accuracy, performance and repeatability and can be adapted to suit our customer's requirements.

Wickman Classics are quick to set up and easy to maintain and great value for money. All Machine builds are carried out by our own trained and qualified Wickman engineers, using genuine Wickman spares and original specifications. All our Classic PLC lathes are thoroughly factory tested, with fully certified OEM test cut reports issued with each machine.

### Upgraded and Updated

Authentic Wickman engineering has been upgraded and updated throughout to make a machine that's better than the original. All our Classic PLC lathes undergo a complete remanufacture program to:

- All motors and electrics, switches and control panels
- Gear boxes, drive belts, clutches and spindle bearings
- Lubrication and coolant systems.

### Safety

New, enclosed guarding systems offers the best in health, safety and environmental protection. Acoustic covers provide excellent sound insulation and oil spillages are reduced for safer working conditions. The fully interlocked system is CE approved and OSHA ready.



### Machine Build

Wickman Classic PLC offers improved control, machining accuracy and higher outputs:

- Improved acceleration and deceleration
- Vary spindle speed without changing spindle-speed gears +/-10%
- Precise spindle-speed control
- Swarf management
- Tool life counts to all stations
- For non-standard operations, four outputs can be assigned to special attachments
- Remote internet access to Programmable Logic Controller (optional).

### Electrical

New Inverter range allows coverage of 380-480volts, or 200-230 volts.

Electro-magnetic and air clutches as standard.

### Options

Wickman are pleased to tailor any Classic machine to meet specific requirements. Please talk to us about the many options which include:

- Attachments for special operations
- Spindle stop features
- Turn key solutions
- Cucchi BLT barloaders
- Maintenance Agreements
- Remote access to PLC and program monitor.

Wickman Group is your turning solutions partner

### Programmable Logic Controller

Efficient production is made simple with this easy-to-operate system. PLC allows:

- Full control of machine and attachments
- Control of internal timer functions including lubrication, lighting and pneumatic movements
- Precise Machine positioning.

Full display system for monitoring and production control includes:

- Operator prompts
- Cycle times
- Log of machine indexes
- Parts counter
- Testing functions to quickly pinpoint and rectify errors.
- Programmable Chip Breaking



## Attachments

### Pick up:

- Standard – a standard Wickman pick up can be used in conjunction with this machine
- Hydraulic/pneumatic – can be used in conjunction with this machine
- A cam-less back working spindle can be supplied

### Threading:

- Thread milling – using a Wickman type milling attachment and thread hobb
- Thread chasing – using a Wickman type thread chasing attachment. There are separate devices for internal and external chasing
- Thread rolling – using a Winter, Landis, Fette or similar thread rolling attachment

### High speed drilling:

- Standard Wickman configuration or High Pressure through the spindle coolant (max 70 bar) can be used

### Recessing:

- Ramp type, push over (shank) type, swing type, rotary/milling type ramp, rotary/milling push over type (the feed rate can be controlled off the cross slide.)

### Flat generating

- Plunge type, end working type, quill type, reverse type (for scallops)

### Slotting, drilling & end milling – end working

- Synchronous slotting – frontal type, on and off centre

### Reaming and broaching

- Reaming – slow reaming spindle or advanced (accelerated) type with synchronous spindle
- Driven broaching/drifting – synchronised rotating spindle
- Non driven – free revolving broaching i.e. Tangi-Flow

### Component marking

- Roll marking – applied from the cross – slide, various options can be applied
- Frontal marking head – applied from the centre block to mark the front of part

### Cross slide drilling, tapping and milling

- Cross drilling – single or multi drill
- Cross drill and trepan
- Cross tapping
- Cross milling – flat bottom, slot, dual slot etc.

### Eccentric attachments

- Eccentric drilling, forming, boring and turning

