



WUK Machinery Range Catalogue

Twelve grinding machines across six categories. Surface, cylindrical, centerless, punch, saw blade resharpening and customised machines, built in Shenzhen China since 2012.

About WUK Machinery

WUK Machinery is a manufacturer of custom grinding machines. Products have been exported to more than 20 countries and regions including the United States, Germany, Russia, Japan and Southeast Asia. Minimum order is 1 set, delivery is 15 to 45 working days after deposit, and every machine carries 12 months warranty.

Commercial Terms at a Glance

Minimum order	1 set
Delivery	15 to 45 working days after deposit
Trade terms	EXW, FOB, CFR and CIF
Packing	plywood cases lined with plastic film
Warranty	12 months
CNC control options	FANUC, SIEMENS, SYNTEC and GSK
Working hours	Monday to Saturday, 09:00 - 18:00 (GMT+8)
Location	Shenzhen, Guangdong Province, China
WhatsApp and WeChat	+86 137 2585 2907
Email	wuk.machinery@hotmail.com

Surface Grinding Machine

Flat, parallel and square, held across a full table load.

A surface grinder earns its place when the parts leaving it need no further flattening. WUK builds three table sizes on the same heavy cast iron column, from the hydraulic MY3060 through to the servo controlled 4080AHD, so a tool room can start manual and move to automatic feed without retraining operators on a different geometry.

MY3060 Hydraulic Surface Grinding Machine (MY3060)

A 300 x 600 mm hydraulic surface grinder for small and medium parts in tool rooms and production plants.

Table size (X by Y)	300 x 600 mm
Horizontal travel of worktable	300 mm
Longitudinal stroke of worktable	550 mm
Max centre of wheel to table	500 mm
Maximum load	600 kg
T slot of worktable	14 mm x 1
Grinding wheel size (max)	300 x 30 x 127 mm
Grinding wheel speed	1450 rpm

Full data sheet: www.wuktech.com/downloads/my3060-hydraulic-surface-grinding-machine-datasheet.pdf

3060AHD High Precision Surface Grinding Machine (3060AHD)

Servo vertical feed and hydraulic table traverse on a 300 x 600 mm table.

Table size (X by Y)	300 x 600 mm
X axis travel	720 mm
Y axis travel	360 mm
Max centre of wheel to table	520 mm
Maximum load	600 kg
Table T slot specification	14 mm x 1
Table speed	5 to 25 m/min
Hand wheel feed graduation	0.02 mm per division over 5 mm

Full data sheet: www.wuktech.com/downloads/3060ahd-high-precision-surface-grinding-machine-datasheet.pdf

4080AHD High Precision Surface Grinding Machine (4080AHD)

The largest table in the WUK surface grinding range, at 400 x 800 mm with 950 mm of X travel.

Table size (X by Y)	400 x 800 mm
X axis travel	950 mm
Y axis travel	460 mm
Max centre of wheel to table	510 mm
Maximum load	600 kg
Table T slot specification	14 mm x 3



Table speed	5 to 25 m/min
Hand wheel feed graduation	0.02 mm per division over 5 mm

Full data sheet: www.wuktech.com/downloads/4080ahd-high-precision-surface-grinding-machine-datasheet.pdf

Cylindrical Grinder

Round, straight and concentric on the same setup.

Cylindrical grinding is where concentricity is either won or lost. Our universal machines carry both an outside diameter wheel head and a high speed internal spindle, so a bush can be ground on the bore and the outside without leaving the chuck and without stacking two setup errors on top of each other.

WK1420x500 Universal Cylindrical Grinding Machine (WK1420x500)

OD and ID grinding on one machine, for shafts, bushes, needle valves and plungers.

Max grinding diameter OD / ID	200 mm / 30 to 100 mm
Max grinding length OD / ID	500 mm
Centre height	135 mm
Max workpiece weight	50 kg
Workbench speed	0.1 to 4 m/min
Grinding wheel line speed	35 m/s
Max travel of workbench	650 mm
Workbench rotation range	-5 to +9 degrees

Full data sheet: www.wuktech.com/downloads/wk1420-500-universal-cylindrical-grinding-machine-datasheet.pdf

WK22 High Precision Internal and External CNC Punch Grinder (WK22)

CNC punch and pin grinding from 1 mm up to 150 mm, internal and external.

Clamping working diameter (ID and OD)	1 to 150 mm
Horizontal travel of worktable	150 mm
Longitudinal stroke of worktable	150 mm
Work head rotation speed	0 to 1000 rpm
Working head rotation angle	+/- 45 degrees
T slot of worktable	14 mm x 1
Internal spindle speed	10000 to 20000 rpm
Internal spindle collets	ER11

Full data sheet: www.wuktech.com/downloads/wk22-cnc-internal-external-punch-grinder-datasheet.pdf

FX-18S High Precision Centerless Grinding Machine (FX-18S)

The larger centerless machine in the range, covering 0.5 to 60 mm diameter.

Grinding range (diameter)	0.5 to 60 mm
Grinding wheel size (dia x width x hole)	455 x 205 x 228.6 mm
Regulating wheel size (dia x width x hole)	255 x 205 x 111.2 mm
Grinding wheel speed	1520 rpm
Regulating wheel speed	0 to 250 rpm
Grinding wheel motor	15 HP

Regulating wheel motor	3.0 kW
Hydraulic pump motor	2.0 HP

Full data sheet: www.wuktech.com/downloads/fx-18s-centerless-grinding-machine-datasheet.pdf

FX-12S High Precision Centerless Grinding Machine (FX-12S)

Built for small parts, where high volume and tight size control meet.

Grinding range (diameter)	0.5 to 40 mm
Grinding wheel size (dia x width x hole)	305 x 150 x 120 mm
Regulating wheel size (dia x width x hole)	205 x 150 x 90 mm
Grinding wheel speed	1950 rpm
Regulating wheel speed	0 to 320 rpm
Grinding wheel motor	7.5 HP
Regulating wheel motor	2.0 kW
Hydraulic pump motor	1.0 HP

Full data sheet: www.wuktech.com/downloads/fx-12s-centerless-grinding-machine-datasheet.pdf

Centerless Grinder

No chucking, no centres, no part to part setup time.

Centerless grinding wins on volume. Once the blade height and regulating wheel angle are set, parts feed through continuously and every one leaves the same size. WUK supplies two frame sizes, the FX-12S for small parts to 40 mm and the FX-18S for work up to 60 mm diameter.

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Hydraulic pump motor	1.0 HP

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Punch Grinder

Punch pins ground to size without losing the shoulder.

Punch grinding is fine work on small diameters, and the machine has to hold the pin without marking it while the wheel takes microns off a shoulder. Our punch grinders clamp from 1 mm right up to 150 mm and swivel the workhead plus or minus 45 degrees so angled forms are ground rather than filed.

WK22 High Precision Internal and External CNC Punch Grinder (WK22)

CNC punch and pin grinding from 1 mm up to 150 mm, internal and external.

Clamping working diameter (ID and OD)	1 to 150 mm
Horizontal travel of worktable	150 mm
Longitudinal stroke of worktable	150 mm
Work head rotation speed	0 to 1000 rpm
Working head rotation angle	+/- 45 degrees
T slot of worktable	14 mm x 1
Internal spindle speed	10000 to 20000 rpm
Internal spindle collets	ER11

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Max grinding diameter OD / ID	200 mm / 30 to 100 mm
Max grinding length OD / ID	500 mm
Centre height	135 mm
Max workpiece weight	50 kg
Workbench speed	0.1 to 4 m/min
Grinding wheel line speed	35 m/s
Max travel of workbench	650 mm
Workbench rotation range	-5 to +9 degrees

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Saw Blade Resharpener

Bring resharpener in house and stop shipping blades out.

A dull blade costs more than a sharp one in every way that matters: feed rate, finish, motor load and blade life. WUK builds three resharpeners covering the range most shops actually run, from a 32 kg bench band saw grinder up to a hydraulic 800 mm circular blade machine with PLC control.

WK026 Automatic Saw Blade Grinding Machine (WK026)

PLC controlled resharpener for circular blades from 80 mm up to 800 mm.

Grinding diameter range	80 to 800 mm
Teeth distance (pitch)	7 to 100 mm
Thickness of blade	1 to 7 mm
Hole size	10 to 200 mm
Feed speed	under 20 teeth/min
Outer diameter of grinding wheel	125 mm
Front and back grinding angle range	5 to 30 degrees
Hydraulic working pressure	4.0 MPa

Full data sheet: www.wuktech.com/downloads/wk026-automatic-saw-blade-grinding-machine-datasheet.pdf

WK450 Automatic Circular Saw Blade Grinder (WK450)

A 130 kg workshop machine that resharpens blades up to 450 mm in minutes.

Grinding diameter range	50 to 450 mm
Teeth pitch (max)	25 mm
Max thickness of blade	8 mm
Feed speed	45 to 180 teeth/min
Outer diameter of grinding wheel	70 to 150 mm
Range of cutting angle	0 to 30 degrees
Motor power	1/2 HP
Voltage of motor	3 phase, 380 V, 50 Hz

Full data sheet: www.wuktech.com/downloads/wk450-automatic-circular-saw-blade-grinder-datasheet.pdf

WK1170 Band Saw Blade Grinder (WK1170)

A 32 kg bench machine that puts band blade sharpening next to the saw.

Grinding range of width	15 to 50 mm
Blade pitch	2 to 25 mm
Max thickness	8 mm
Grinding wheel size	150 x 32 x 2 to 10 mm
Grinding wheel speed	2800 rpm
Power	250 W



Voltage	220 V
Packaging size	650 x 480 x 450 mm

Full data sheet: www.wuktech.com/downloads/wk1170-band-saw-blade-grinder-datasheet.pdf

Customized Grinding Machine

When the part will not fit a catalogue machine we design the machine.

Straight knives from paper converting, plastics recycling, food processing and woodworking are long, thin and impossible to hold on a general purpose grinder. Our linear sharpening machines were built for exactly that geometry, and the same engineering approach is how we answer any part a standard grinder cannot take.

WK2000 Automatic Linear Sharpening Machine (WK2000)

Grinds straight knife cutters up to 2000 mm long in a single reference.

Max grinding length	2000 mm
Adjust angle of grinding head	-90 to +90 degrees
Grinding wheel rotate speed	2800 rpm
Grinding wheel moving speed	0 to 20 m/min, variable
Grinding wheel size (OD x T x ID)	200 x 110 x 100 mm
Magnetic table size	180 x 2000 mm
Grinding head moving speed	1 to 20 m/min
Grinding head rotate speed	1400 rpm

Full data sheet: www.wuktech.com/downloads/wk2000-automatic-linear-sharpening-machine-datasheet.pdf

WK700 Linear Sharpening Machine (WK700)

The compact linear sharpener, for straight blades up to 700 mm long.

Max grinding length	700 mm
Max effective grinding length	650 mm
Max grinding thickness of cutter	20 mm
Max grinding width of cutter	150 mm
Adjust angle of grinding head	0 to 90 degrees
Grinding wheel rotate speed	2840 rpm
Grinding wheel size (OD x T x ID)	150 x 50 x 32 mm
Grinding head moving speed	1 to 20 m/min

Full data sheet: www.wuktech.com/downloads/wk700-linear-sharpening-machine-datasheet.pdf