

Beyond Today's Possibilities. Towards the Tomorrow of Our Dreams. No Limits.



WHL-55 horizontal wheel turning lathe

HIGH RIGIDITY, HEAVY-DUTY CUTTING PROFESSIONAL MODEL



WHL-55 SPECIFICATION and FEATURES

- Max swing over bed: Ø727mm.
- · Max turning diameter: Ø620mm.
- · X-axis travel: 340mm.
- Rapid X-axis traverse: 16m/min.
- Z-axis travel: 700mm.
- Rapid Z-axis traverse: 20m/min.
- FANUC α30i spindle motor .
- Powerful, high rigidity servo turret, precision positioning, quick tool switching, tool switching time: 12-tool (standard) 0.09 seconds, 8-tool (optional) 0.13 seconds.
- One-piece MEEHANITE cast iron base and square structure, thermal treated machine bed, reduced internal force, deformation testing, and grinding process etc.
- Casted X-slideway and machine body, high frequency thermal treatment, improved strength and resistance to wear for the slider, higher turning performance.
- Grooved belt (Poly V) for low vibrations, low noise, high loads, and improved lifespan.
- Main spindle specifically designed for wheels, improved stability unmatched by generic CNC machining spindles.







SLANT BED LATHE 45° bed design for improved of

45° bed design for improved chip removal during the wheel turning process.

HIGH SPEED, HIGH PRECISION

Powerful, high strength servo turret, precision positioning, fast tool switching; turret spins left and right to switch to the nearest tool; tool switching time 12-tool (standard) 0.09 seconds, 8-tools (optional) 0.13 seconds.

SPINDLE MOTOR

FANUC a series spindle motor and servo motor for fast acceleration and deceleration; improved processing efficiency and shortened program execution time.







PROFESSIONAL SCRAPING

Machine scraping technology by Far East Machinery provides uniform distribution on all flat contacting surfaces, excellent lubrication and low friction results; scraping precision is measured using a micrometer gauge that exceeds CNS standards.

HIGH FREQUENCY TREATMENT OF BOXWAY

Casted X-slideway and machine body, high frequency thermal treatment, improved strength and resistance to wear for the slideway, higher turning performance.

HIGH PRECISION TRANSMISSIO SYSTEM AND PRETENSION BALL SCREW

High performance AC servo motor drives the X/Z-axis, where the motor is directly connected to the ball screw for direct transmission system for synchronous axial transmission; beltless and gearless design to reduce backlash and vibration; pretension ball screw for minimum thermal deformation and high precision positioning of the working components.







HIGH RIGIDITY AND PRECISION MACHINE BED

One-piece MEEHANITE cast iron base and square structure, thermal treated machine tools, reduced internal force, deformation testing, and grinding process; unique design for minimum base area of the machine (excluding the chip conveyor) that maximizes the floor plan efficiency.

GRODVED BELT

Designed for high speed and stable turning of wheels, a grooved belt (Poly V) is used for low vibrations, low noise, high loads, and improved lifespan.

EXTRA WIDE SPINDLE

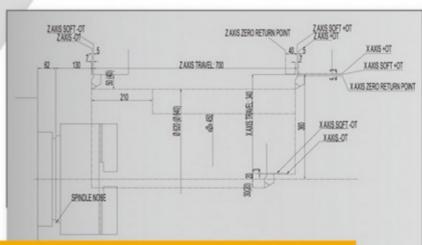
Main spindle specifically designed for wheels, improved stability unmatched by specific CNC machining spindles

MODEL SPECIFICALLY DESIGNED FOR WHEEL TURNING

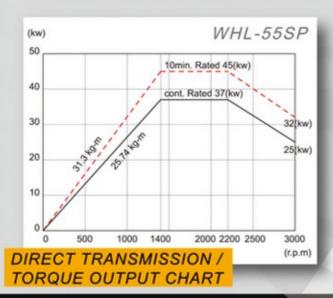
Larger swing over bed specification than generic models for up to 22" wheels.

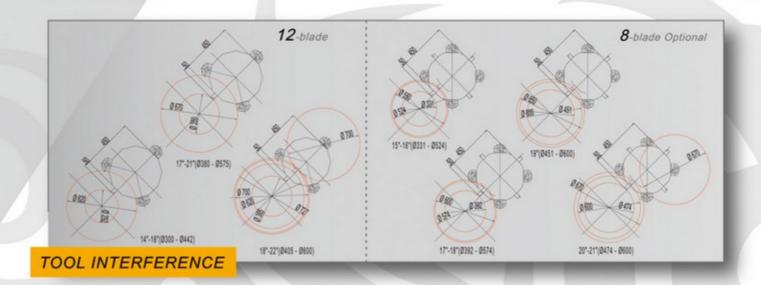
SPINDLE SPEED/TORQUE OUTPUT & TOOL MOVEMENT & TOOL INTERFERENCE



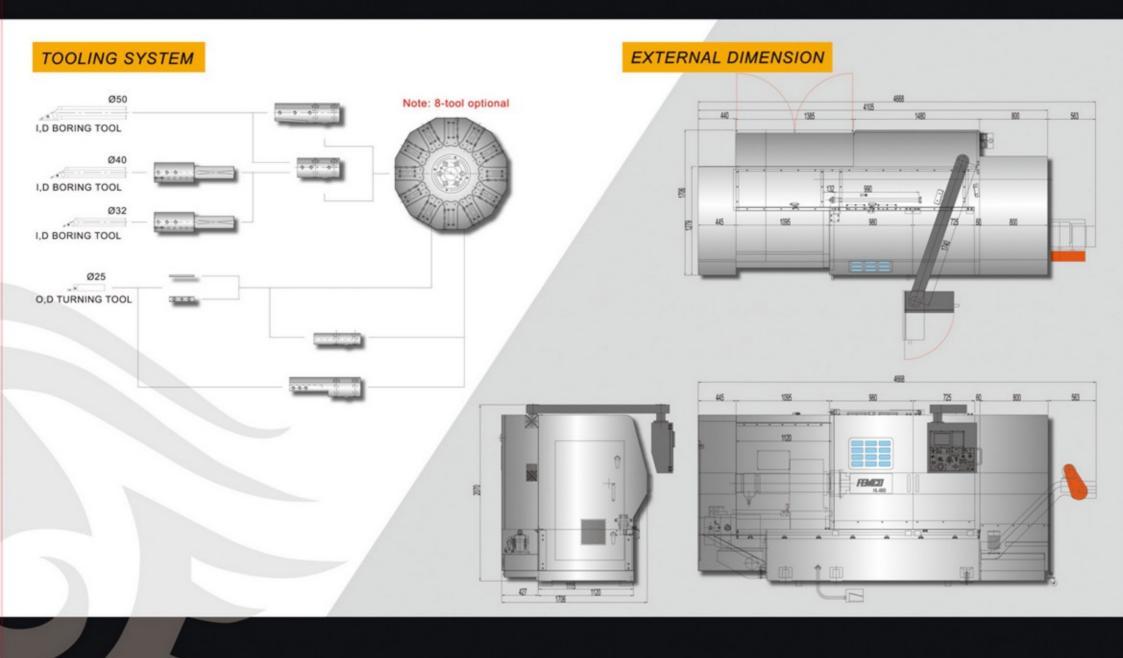


O.D. TOOL RANGE AND FACING TOOL MOVEMENT





TOOLING SYSTEM & EXTERNAL DIMENSION



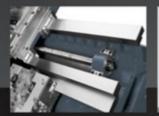
WHL-68 HORIZONTAL WHEEL TURNING LATHE

LARGE WHEELS TURNING



WHL-68 SPECIFICATION and FEATURES

- Max swing over bed: Ø800mm.
- · Max turning diameter : Ø680mm.
- · X-axis travel: 360mm.
- Rapid X-axis traverse : 16m/min.
- · Z-axis travel: 770mm.
- Z-axis traverse : 20m/min.
- · Larger turning capability up to 24" wheels.
- Ergonomic and usability design for easy access to the front of the headstock to change the wheels, thus reducing operator stress.
- · Larger bed area for improved stability during operation.
- Side window on the door to prevent flying chips injury while the operator monitors the wheel being turned; the offset window will not be damaged from flying chips.







SLANT BED LATHE

45° bed design for improved chip removal during the wheel turning

HIGH SPEED, HIGH PRECISION

Powerful, high strength servo turret, precision positioning, fast tool switching; turret spins left and right to switch to the nearest tool; tool switching time 6-tool (standard) 0.15 seconds, 12-tools (optional) 0.09 seconds.

FANUC α series spindle motor and servo motor for fast acceleration and deceleration; improved processing efficiency and shortened program execution time.









PROFESSIONAL SCRAPING

Machine scraping technology by Far East Machinery provides uniform distribution on all flat contacting surfaces, excellent lubrication and low friction results; scraping precision is measured using a micrometer gauge that exceeds CNS standards.

SIDE WINDOW

Side window on the door to prevent flying chips injury while the operator monitors the wheel being turned; the offset window will not be damaged from flying chips.

the X/Z-axis, where the motor drives the X/Z-axis, where the motor is directly connected to the ball screw for direct transmission system for synchronous axial transmission; beltless and gearless design to reduce backlash and vibration; pretension ball screw for minimum thermal deformation and high precision positioning of the working components.







CHIP CONVEYOR

Higher capacity chip conveyor to accommodate for the larger wheels, chips will not pile up on the machine bed and thus produce good turning quality; separated large capacity coolant tank for simple maintenance.

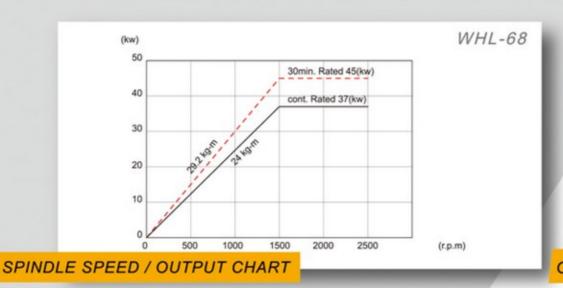
The control uses an absolute coordinates system and the CNC system doesn't need

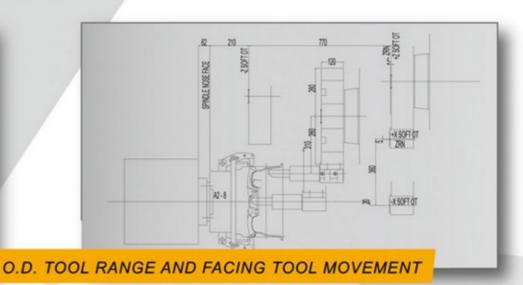
ATHE SPECIFICALLY DESIGNED

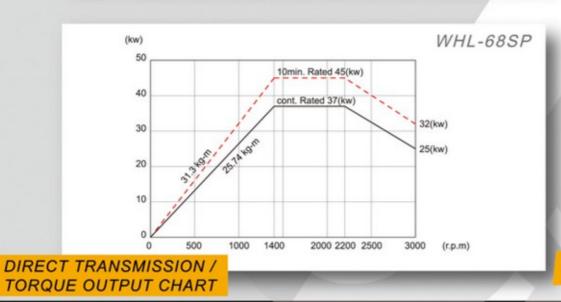
Heavy duty model with high stability for large wheels up to 24".

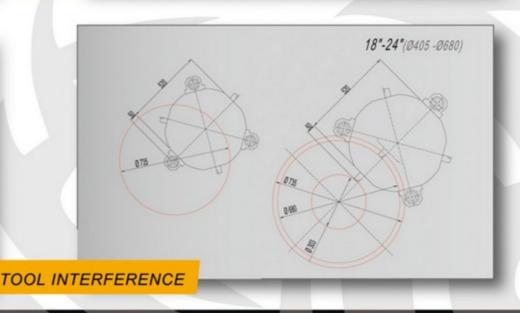


SPINDLE SPEED/TORQUE OUTPUT & TOOL MOVEMENT & TOOL INTERFERENCE

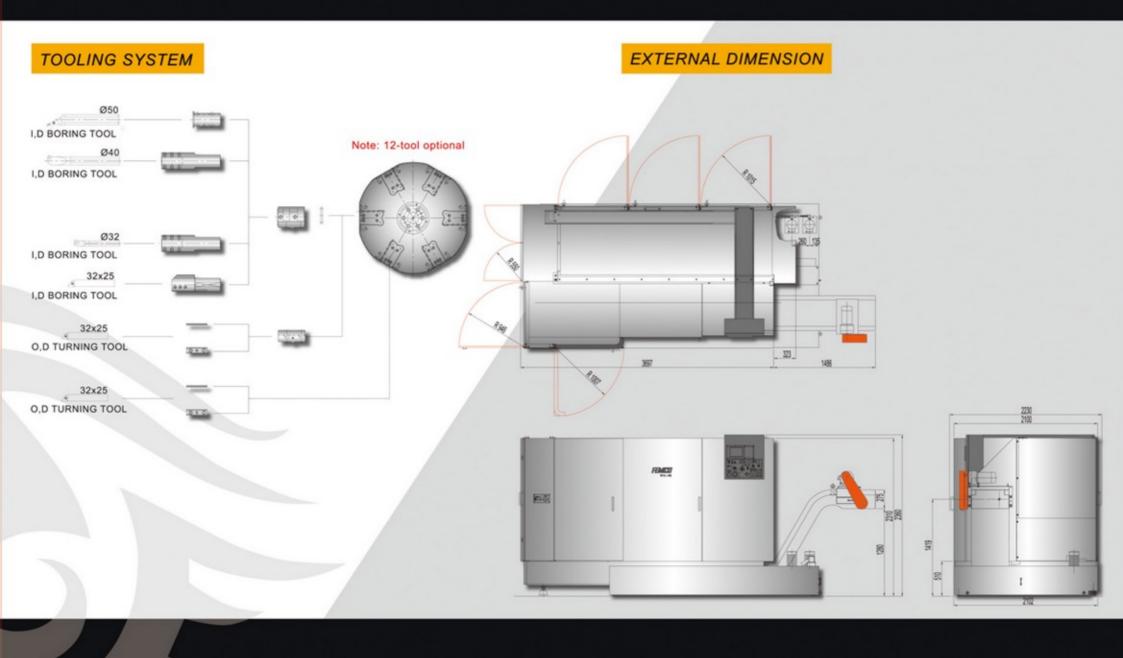








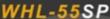
EXTERNAL DIMENSION & TOOLING SYSTEM



WHL-55SP/68SP MIRROR LIKE WHEEL TURNING LATHE

PROFESSIONAL MODEL FOR MIRROR LIKE WHEELS







WHL-55SP/68SP SPECIFICATION and FEATURES

- · C1 class ball screw for greatly improved precision.
- · Built-in spindle motor eliminates noise and vibrations from a belt .
- · Optional granite headstock to better absorb vibrations from the spindle and improve stability.
- · Powerful, high strength servo turret, precision positioning, fast tool switching; turret spins left and right to switch to the nearest tool.
- One-piece MEEHANITE cast iron base and square structure, thermal treated machine bed, reduced internal force, deformation testing, and grinding process etc.
- Casted X-slideway and machine body, high frequency thermal treatment, improved strength and resistance to wear for the slider, higher turning performance.







BUILT-IN SPINDLE MOTOR

Built-in spindle motor that eliminates noise and vibrations from a belt, and will not suffer from belt fatigue.

C1 CLASS BALL SCREW

X/Y-axis uses C1 class ball screws for improved precision.

GRANITE HEADSTOCK

Granite headstock to better absorb vibrations from the spindle and improve stability. (optional)







SLANT BED LATHE

45° bed design for improved chip removal during the wheel turning process.

HIGH SPEED, HIGH PRECISION TURRET

Powerful, high strength servo turret, precision positioning, fast tool switching; turret spins left and right to switch to the nearest tool.

PROFESSIONAL SCRAPING

Machine scraping technology by Far East Machinery provides uniform distribution on all flat contacting surfaces, excellent lubrication and low friction results; scraping precision is measured using a micrometer gauge that exceeds CNS standards.







HIGH FREQUENCY TREATMENT OF BOXWAY

Casted X-slideway and machine body, high frequency thermal treatment, improved strength and resistance to wear for the slideway, higher turning performance.

HIGH PRECISION TRANSMISSION SYSTEM AND PRETENSION BALL SCREW

High performance AC servo motor drives the X/Z-axis, where the motor is directly connected to the ball screw for direct transmission system for synchronous axial transmission; beltless and gearless design to reduce backlash and vibration; pretension ball screw for minimum thermal deformation and high precision positioning of the working components.

HIGH RIGIDITY AND PRECISION MACHINE BED

One-piece MEEHANITE cast iron base and square structure, thermal treated machine tools, reduced internal force, deformation testing, and grinding process; unique design for minimum base area of the machine (excluding the chip conveyor) that maximizes the floor plan efficiency.

SCRAPING PRECISION TO WITHIN Ra0.2!

Optional granite headstock with appropriate conditions using coolant and tools, real-world Ra0.139 turning performance achieved.

WVL-F24 VERTICAL WHEEL TURNING LATHE

ERGONOMIC EXCELLENCE



WVL-F24 SPECIFICATION and FEATURES

- Max wheel turning: 26".
- Max swing over bed: Ø850mm.
- · Max turning diameter: Ø660mm.
- · Max turning height: 335mm.
- Spindle is close to the operator that shortens the loading/unloading distance for a more ergonomic design.
- Lower chuck position for easy loading/unloading that reduces stress from prolonged operator shifts.
- Works with different finger chuck for turning 13"~26" wheels. (optional)
- Rapid X/Z-axis traverse: industry record of 36m/min.
- Servo motor turret for fast tool switching, short down time, and greatly improved efficiency.
- High horsepower spindle motor for improved efficiency and reduced working.
- Absolute coordinates for the control system that does not need to return to zero point.







ABSOLUTE COORDINATE CONTROL SYSTEM

The control uses an absolute coordinates system and the CNC system will not need to return to zero point before issuing the next processing command. .

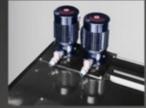
ONE-PIECE MACHINE BED

High strength one-piece design for the machine bed manufactured from a five face machine center; eliminates the errors and faults of typical one-piece machine beds during assembly

Free-access auto door with safety window made of reinforced anti-fog glass to greatly improve operator safety.









SERVO DRIVEN DUAL TURRETS

High efficiency dual turrets in pairs for shorter work time; parts are shared between left/right turrets for simplified maintenance and reduced backend management.

Conveyor can also be configured on the left side or from the rear to work with the production line and facilitate the layout. Separated large capacity coolant tank for simple maintenance.







HIGH HORSEPOWER SPINDLE MOTOR

High horsepower spindle motor (60/75kW) for improved efficiency, quick spindle acceleration/deceleration and reduced work time.

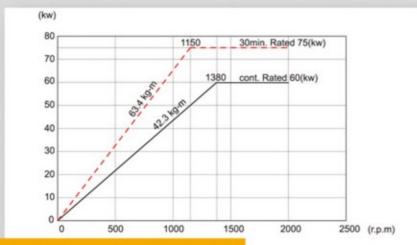
36m/min rapid X/Z-axis traverse is the fastest in the industry; servo driven turret for quick tool switching, down time, and greatly improved processing efficiency.

FULL SIZE PROCESSING CAPACITY

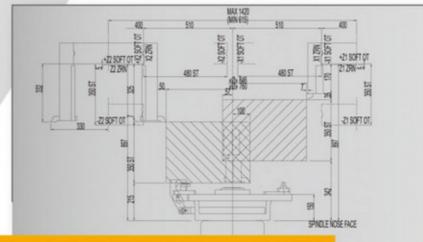
Excellent full size processing capacity with appropriate finger chuck, ranging from 13" to 26" (optional)



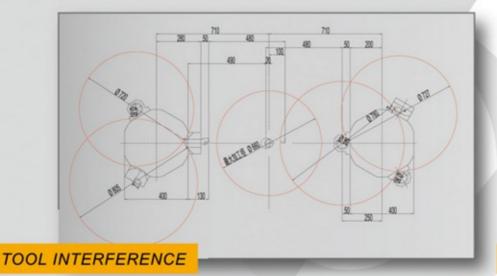
SPINDLE SPEED/TORQUE OUTPUT & TOOL MOVEMENT & TOOL INTERFERENCE

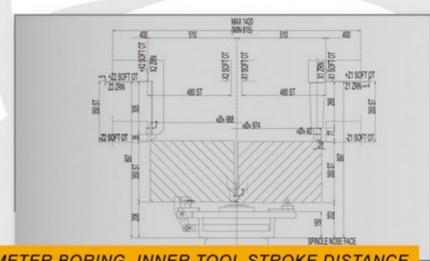


SPINDLE SPEED / OUTPUT CHART



O.D. TOOL RANGE AND FACING TOOL MOVEMENT



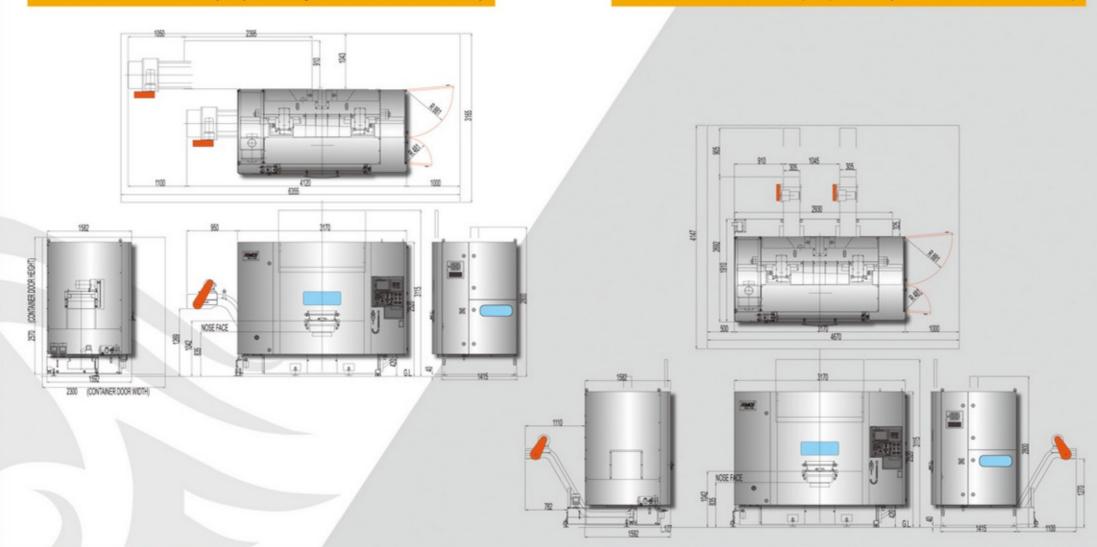


INNER DIAMETER BORING, INNER TOOL STROKE DISTANCE

EXTERNAL DIMENSION

EXTERIOR DIAGRAM (chip conveyor exits from left side)

EXTERIOR DIAGRAM (chip conveyor exits from rear side)



WVL-F24A VERTICAL WHEEL TURNING LATHE

INTEGRATED MODEL OF OP1 & OP2 FIRST AND SECOND PASS PROCESSING



WVL-F24A SPECIFICATION and FEATURES

- Max wheel turning: 26".
- · Max swing over bed: Ø830mm.
- · Max turning diameter: Ø660mm.
- High horsepower Z-axis servo motor, balancing device is not required for simple design and easy maintenance.
- Test run function controlled from the outside and the next piece can be calibrated for improved efficiency; wheels can be properly positioned to guarantee safety and prevent accidents.
- Patented wheel chuck with electrical controlled mechanism, safety detection system and mechanical headstock locking to eliminate possible hazardous situations during power off, e.g. chuck coming loose from pressure loss.
- APC switching system under 6 seconds fastest in the industry.
- Innovative chuck air-blow device to prevent chip pileup and improve work efficiency.
- Absolute coordinates for the control system that does not need to return to zero point.
- Smart control interface for easier loading/unloading by the operator and improved work efficiency.





INDUSTRY FASTEST APC

Actual factory tested 6 seconds switching time fastest in the industry; APC switching system works with OP1, OP2, or single processing; mechanical action door that is safe, quick, and secure.



High strength one-piece design for the machine bed manufactured from a five face machine center; eliminates the errors and faults of typical one-piece machine beds during assembly.

CHUCK TESTING FROM OUTSIDE THE MACHINE

Chuck testing feature for OP1 & OP2 to prevent clash; Test run from outside the machine to ensure the correct and safe positioning of the wheel.







SERVO DRIVEN DUAL TURRETS

High efficiency dual turrets in pairs for shorter work time; parts are shared between left/right turrets for simplified maintenance and reduced backend management.

AWARD OF EXCELLENC

2007 Taipei International Machine Tool Show "Award of excellence for innovative machine tool research and development".

CHUCK AIR BLOW DEVICE

Innovative chuck air-blow device to prevent chip pileup, improve work efficiency, easy loading/unloading, and improved stability.







SMART LOADING/UNLOADING

Integrated buttons with the smart control interface for easier loading/ unloading by the operator and improved work efficiency.

LARGE ALUMINUM WHEEL PROCESSING

High strength V6 tools with smaller swing and largest 63mm boring set suitable for processing of large wheels; high strength large ID, OD tools for 10" wide wheels.

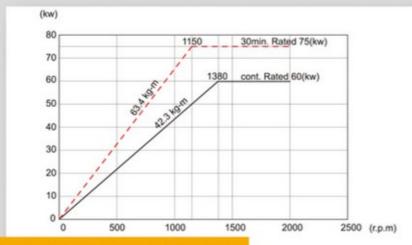
ELECTRICAL WHEEL CLAMP SYSTEM

Patented wheel chuck with electrical controlled mechanism, safety detection system and mechanical clamping system featured to eliminate possible hazardous situations during power loss, e.g. chuck coming loose from pressure loss.

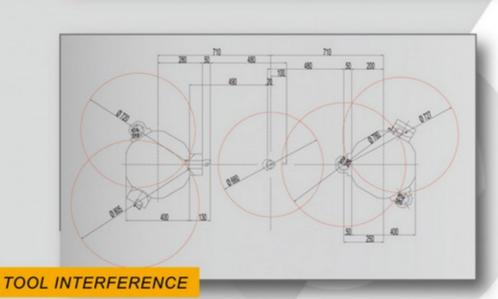
INNOVATIVE APC SWIVEL SYSTEM:

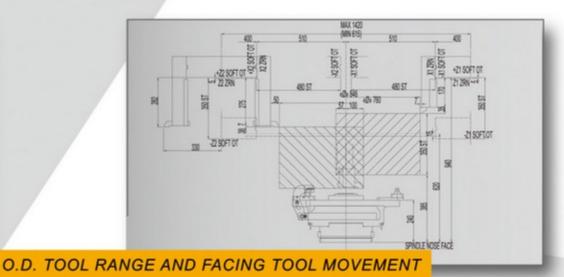
Wheel can be loaded on the outside while spindle is in operation for balance testing (patented), thereby saves the need for testing inside the machine; the quick chuck clamp system (patented) and door panel design (patented) can shorten door access time to just 6 seconds when switching pieces (fastest among world class models); this system works with OP1, OP2 or single processing works for significantly improved efficiency.

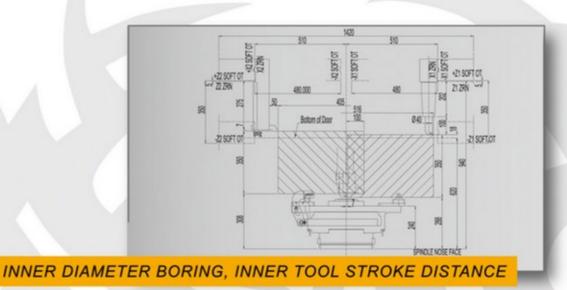
SPINDLE SPEED/TORQUE OUTPUT & TOOL MOVEMENT & TOOL INTERFERENCE



SPINDLE SPEED / OUTPUT CHART



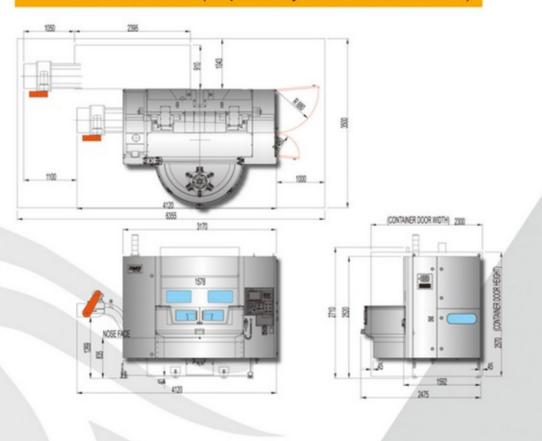


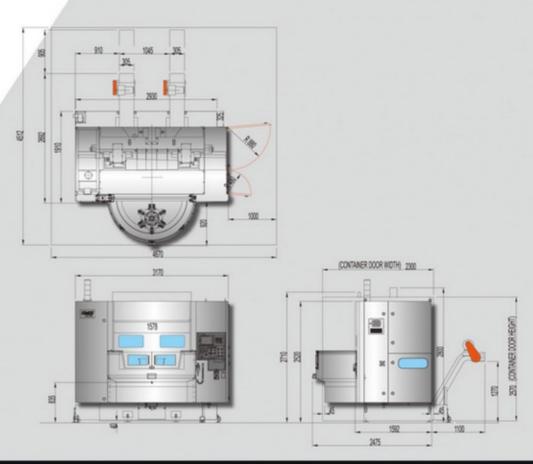


EXTERNAL DIMENSION

EXTERIOR DIAGRAM (chip conveyor exits from left side)

EXTERIOR DIAGRAM (chip conveyor exits from rear side)





WVD-24 VERTICAL WHEEL DRILLING LATHE

DESIGN OF EXCELLENCE IN THE INDUSTRY



WVD-24 SPECIFICATION and FEATURES

- Max wheel size: 26".
- Rapid X/Y/Z-axis traverse: 48m/min.
- All size wheel chuck without the need for additional accessories.
- Pneumatic turntable for manual configuration of the angle of air holes between 0 and 60 degrees.
- Installation of the fourth axis for tire pressure inspection and backside processing. (optional)
- Pneumatic system for environmental friendly and energy conservation operation.
- Coolant Through Spindle supply powerful washing capability during turning, lubricating and cooling to the tools for reduced wear. (optional)
- Lower working table for easy loading/unloading; can also be used with robot for automatic loading/ unloading.
- Spindle built-in pneumatic tool mechanism for high precision, long lifespan, and less stress to the bearing.
- Turret features a set arrangement for fast tool switching and simple maintenance.







ALL-SIZE PROCESSING CAPACITY

This machine works with all wheel sizes between 12" to 26".

EASY LOADING/UNLOADING

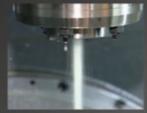
Uses lower working table for easy loading/ unloading by the operator or automatic operation with robot.

FAST TOOL SWITCHING TOOL CHANGER

Turret features a set arrangement for fast tool switching and simple maintenance.









SWIVEL TABLE

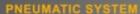
Pneumatic turntable for manual configuration of the angle of air holes between 0 and 60 degrees; Installation of the fourth axis for tire pressure inspection and backside processing. (optional)

SEPARATE CHIP-CONVEYOR

Two options of left or right output from chip conveyor to facilitate production line setup; separate design for coolant tank and chip conveyor for easy cleaning and maintenance.

COOLANT THROUGH SPINOL

Coolant from spindle to supply powerful washing capability during turning, lubricating and cooling to the tools for reduced wear. (optional)



Pneumatic system is used instead of hydraulics for an environmentally friendly and energy conservation operation.

HIGH-PRECISION SPINBLE MOTO

8,000RPM spindle, with 12,000RPM or 15,000RPM optional, suitable for various processing requirements; spindle built-in pneumatic tool mechanism for high precision, long lifespan, and less stress to the bearing.

MINIMUM FLOOR AREA

Small floor area and machine can be directly transported after assembly to prevent reassembly errors.

SWIVEL TABLE DESIGNED FOR WHEEL PROCESSING

Including "Swivel table", "Pneumatic chuck, and "Wheel size scale, designs.



Swival tabla



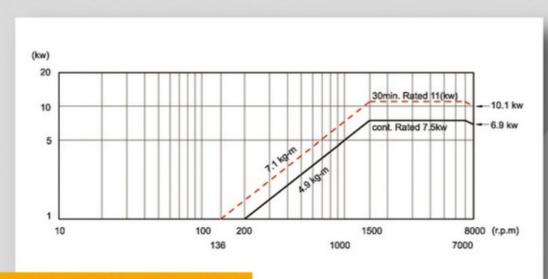


Wheel size scale



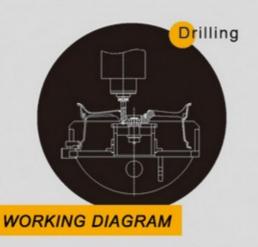
SPINDLE SPEED/TORQUE OUTPUT

& WORKING DIAGRAM

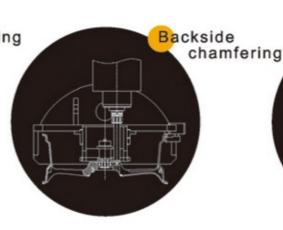


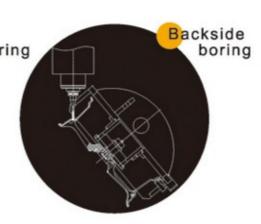


SPINDLE SPEED/OUTPUT CHART

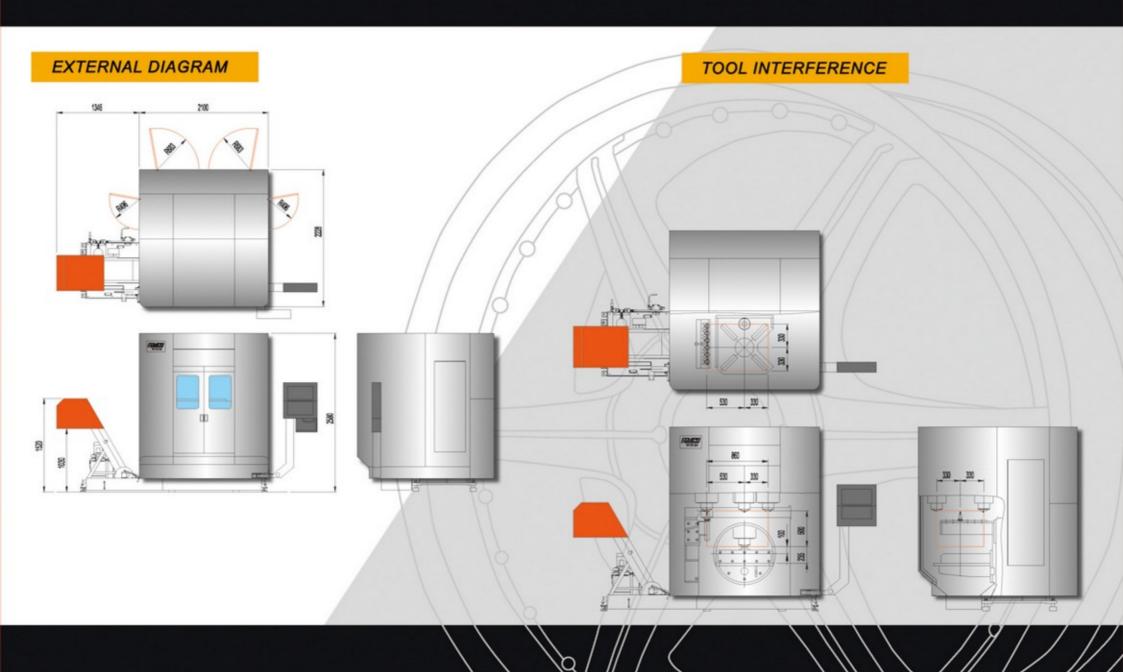


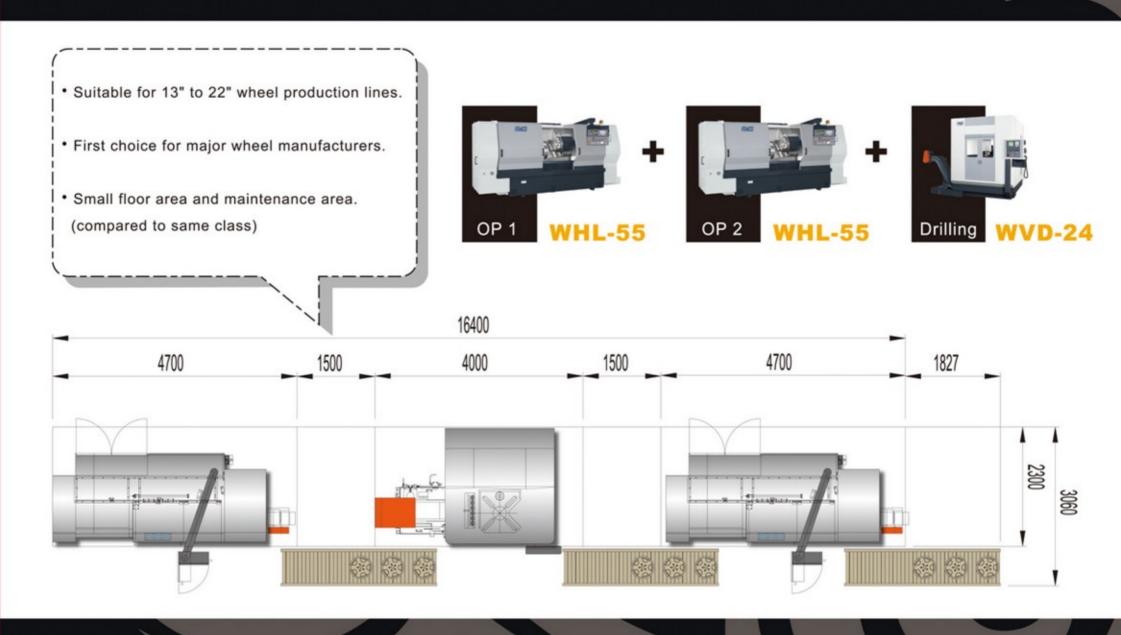


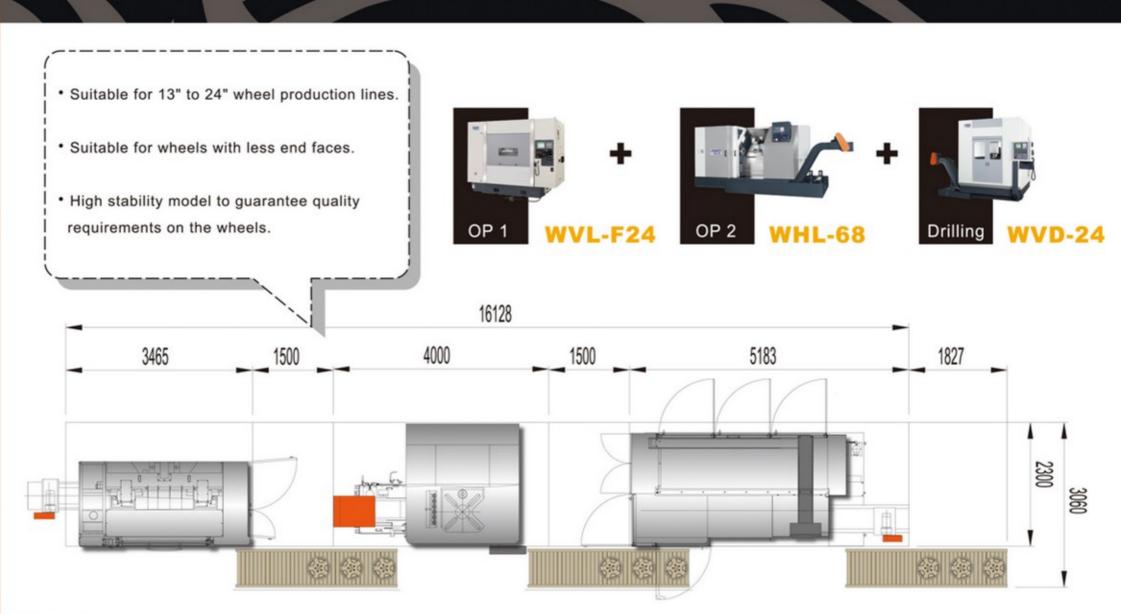


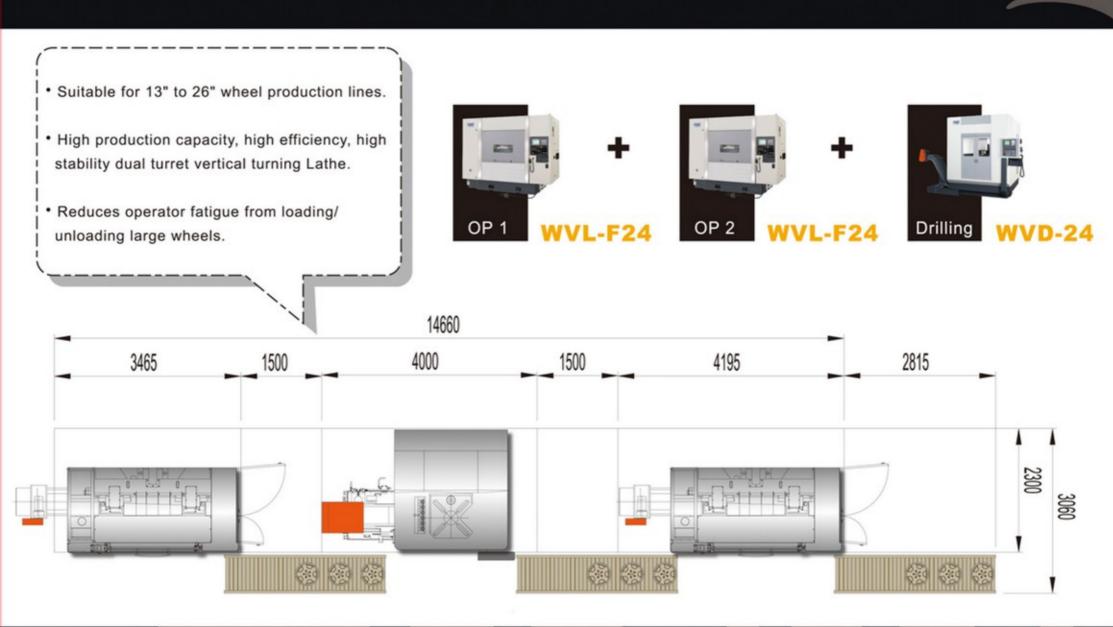


EXTERNAL DIMENSION & TOOL INTERFERENCE





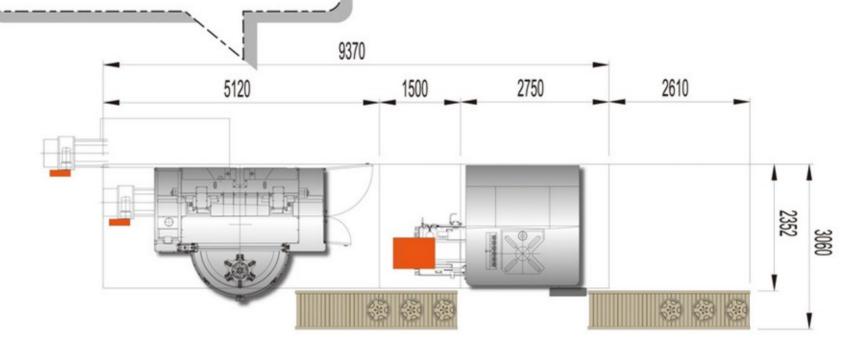


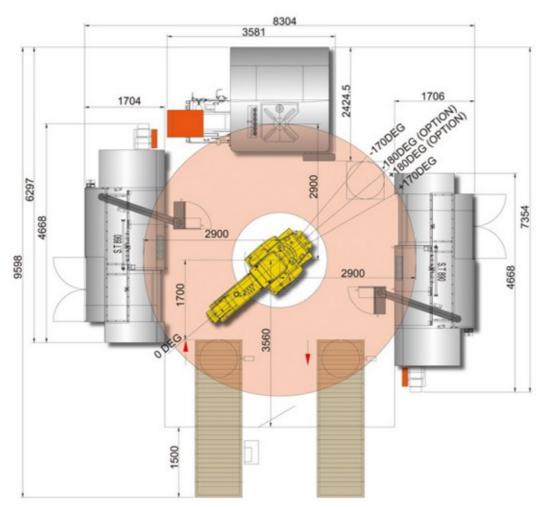


- All wheel sizes double-turret high efficiency wheel turning Lathe.
- Suitable for 13" to 26" large wheels with appropriate chuck.
- Minimum floor area; suitable for production of high variety and low quantity wheels.







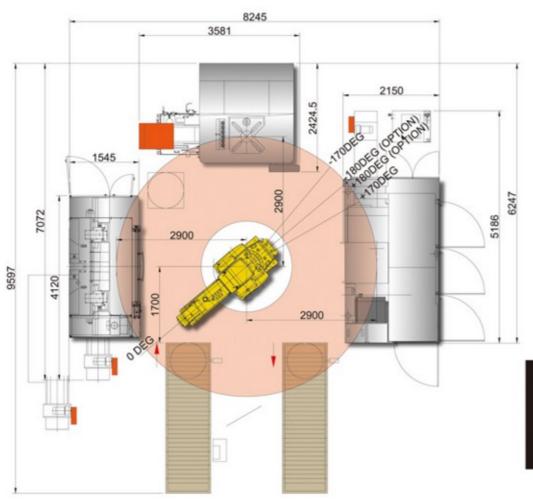


- . Suitable for 13" to 22" wheel production lines.
- First choice for major wheel manufacturers.
- Small floor area and maintenance area. (compared to same class)
- · Fully automated wheel production line.
- High capacity, high quality, high efficiency performance.







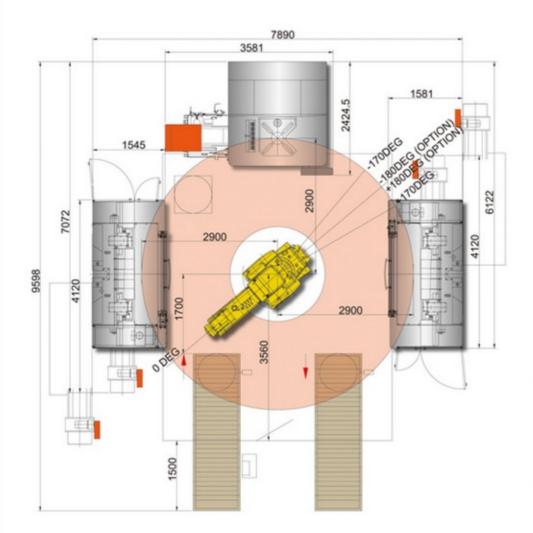


- . Suitable for 13" to 24" wheel production lines.
- · Suitable for wheels with less end faces.
- High stability model to guarantee quality requirements on the wheels.
- · Fully automated wheel production line.
- High capacity, high quality, high efficiency performance.







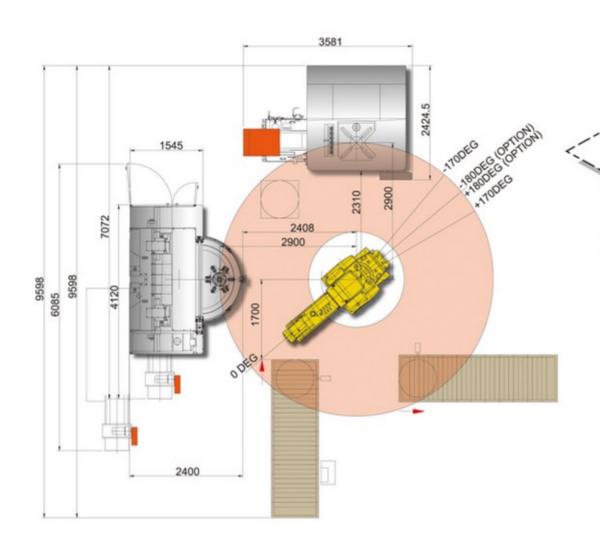


- Suitable for 13" to 26" wheel production lines.
- High production capacity, high efficiency, high stability dual turret vertical turning lathe.
- Reduces operator fatigue from loading/ unloading large wheels.
- Fully automated wheel production line.
- High capacity, high quality, high efficiency performance.









- All wheel sizes double-stuff high efficiency wheel turning lathe.
- Suitable for 13" to 26" large wheels with appropriate headstock.
- Minimum floor area; suitable for production of high variety and low quantity wheels.
- · Fully automated wheel production line.
- High capacity, high quality, high efficiency performance.





SPECIFICATIONS

| | ITEM | WHL-55 | WHL-55SP | WHL-68 | WHL-68SP |
|---|---|--|--------------|--------------|--------------|
| TAY DIED AND A | Max turning diameter mm | Ø620 | Ø620 | Ø680 | Ø680 |
| | Max turning height mm | - | - | - | _ |
| | Max swing over bed mm | Ø727 | Ø727 | Ø800 | Ø800 |
| PROCESSING CAPACITY | Standard wheel turning inch | 22 | 22 | 24 | 24 |
| | Max wheel turning (optional) inch | _ | - | _ | _ |
| | Max wheel width inch | 12 | 12 | 12 | 12 |
| | Workstation size mm | 20 00 00 00 00 00 00 00 00 00 00 00 00 0 | | - | |
| | Max load kg | _ | _ | _ | _ |
| | X-axis mm | 340 | 340 | 360 | 360 |
| STROKE | Y-axis mm | _ | - | - | _ |
| STROKE | Z-axis mm | 700 | 700 | 770 | 770 |
| | Distance from spindle nose to workstation | - | _ | _ | _ |
| THE WHOLE WHE | RPM rpm | 2500 | 2500 | 2500 | 2500 |
| | Nose type | A2-8 | A2-8 | A2-8 | A2-8 |
| | Front end ID/OD mm | Ø130/Ø200 | Ø130/Ø200 | Ø130/Ø200 | Ø130/Ø200 |
| SPINDLE | Rear end ID/OD mm | Ø120/Ø180 | Ø120/Ø180 | Ø120/Ø180 | Ø120/Ø180 |
| | Motor type FANUC | a30/6000i | B200M/3000i | a40/6000i | B200M/3000i |
| | Motor power (continuous/30min) kW | 30/37 | 37/45 | 37/45 | 37/45 |
| | Max torque Nm | 303 | 306 | 286 | 306 |
| | Tool number POS | 12/*option 8 | 12/*option 8 | 6/*option 12 | 6/*option 12 |
| | OD turning tool size mm | p25 | □25 | 25x32 | 25x32 |
| | ID boring tool size mm | Ø50 | Ø50 | Ø63 | Ø63 |
| | Tool angle | _ | | | |
| TURRET | Tighten screw | - | - | - | _ |
| | Max length mm | - | | - | |
| | Max size mm | | | - | _ |
| | Max load kg | | - | _ | |
| | Tool switching time sec | 0.09 | 0.09 | 0.15/0.09 | 0.15/0.09 |
| SERVO MOTOR | X-axis kW | 4 | 4 | 4 | 4 |
| | Y-axis kW | | | | = |
| | Z-axis kW | 4 | 4 | 4 | 4 |
| RAPID TRAVERSES | X-axis mm/min | 16000 | 16000 | 16000 | 16000 |
| | Y-axis mm/min | _ | | | _ |
| | Z-axis mm/min | 20000 | 20000 | 20000 | 20000 |
| | X-axis mm | Ø36xP8 | Ø36xP8 | Ø36xP8 | Ø36xP8 |
| BALLSCREW OD AND THREAD | Y-axis mm | _ | | | |
| | Z-axis mm | Ø50xP10 | Ø50xP10 | Ø50xP10 | Ø50xP10 |
| TRAVERSE RATE | Max turning traverse rate (X/Y/Z) m/min | | _ | | |
| THE RESIDENCE OF THE PERSON NAMED IN COLUMN 1 | Pump Tool cooling kW | 1.1 | 1.1 | 1.27 | 1.27 |
| TURNING FLUID UNIT | (submersion type) Turning washing kW | 0.55 | 0.55 | 1.1 | 1.1 |
| TORRING FEOID CHIT | Water tank volume Liters | 315 | 315 | 800 | 800 |
| | Pump kW | 1.5 | 1.5 | 2.2 | 2.2 |
| HYDRAULIC UNIT | Oil tank volume Liters | 44 | 44 | 44 | 44 |
| | Pump W | 25 | 25 | 25 | 25 |
| LUBRICATION UNIT | Oil tank volume Liters | 2 | 2 | 4 | 4 |
| | Width mm | 4105 | 4105 | 3697 | 3697 |
| MACHINE EXTERIOR | Depth mm | 2150 | 2150 | 2230 | 2230 |
| (EXCLUDING CHIP CONVEYOR) | Height mm | 2130 | 2130 | 2360 | 2360 |
| MACHINE WEIGHT | Weight kg | 8500 | 8500 | 10000 | 10000 |
| POWER CAPACITY | kVA | 55 | 55 | 70 | 70 |
| CONTROL SYSTEM | KVA | FANUC 0I-TC | FANUC 01-TC | FANUC 0i-TC | FANUC 01-TC |
| CONTROLSTSTEM | | TARGO DI-TO | TARGO 01-10 | TANOC 01-1C | TANGO 01-10 |

SPECIFICATIONS

| | ITEM | WVL-F24 | WVL-F24A | WVD-24 |
|--|---|------------------|------------------|--------------|
| | Max turning diameter mm | Ø660 | Ø660 | _ |
| | Max turning height mm | 335 | 300 | _ |
| | Max swing over bed mm | Ø850 | Ø830 | _ |
| PROCESSING CAPACITY | Standard wheel turning inch | 24 | 24 | 24 |
| | Max wheel turning (optional) inch | 26 | 335 300 | |
| | Max wheel width inch | 12 | 10 | 12 |
| | Workstation size mm | - | _ | 712 |
| | Max load kg | | - | |
| | X-axis mm | 480(X1/X2) | 480(X1/X2) | |
| STROKE | Y-axis mm | _ | _ | 660 |
| o mone | Z-axis mm | 350(Z1/Z2) | 350(Z1/Z2) | 500 |
| | Distance from spindle nose to workstation | _ | ## See | |
| | RPM rpm | | | |
| | Nose type | A2-11 | A2-11 | ISO.40 |
| TAXABLE DE LA CONTRACTOR DE LA CONTRACTO | Front end ID/OD mm | | | |
| SPINDLE | Rear end ID/OD mm | | Ø140/Ø210 | |
| | Motor type FANUC | a60/4500HVi | a60/4500HVi | aT8/12000iT |
| | Motor power (continuous/30min) kW | 60/75 | 60/75 | 7.5/11 |
| | Max torque Nm | | | 70 |
| | Tool number POS | | | 6 |
| | OD turning tool size mm | 32x25*option =25 | 32x25*option p25 | - |
| | ID boring tool size mm | Ø63 | Ø63 | |
| | Tool angle | _ | _ | |
| TURRET | Tighten screw | _ | | |
| | Max length mm | _ | _ | |
| | Max size mm | = | _ | 72 |
| | Max load kg | _ | _ | 8 |
| | Tool switching time sec | _ | | |
| | X-axis kW | 4 | 4 | |
| SERVO MOTOR | Y-axis kW | | · | |
| | Z-axis kW | 100000 | | |
| | X-axis mm/min | 36000 | 36000 | |
| RAPID TRAVERSES | Y-axis mm/min | _ | | |
| | Z-axis mm/min | | | |
| BALL COREW OR AND THREAD | X-axis mm | | | |
| BALLSCREW OD AND THREAD | Y-axis mm | | | |
| | Z-axis mm | | | |
| TRAVERSE RATE | Max turning traverse rate (X/Y/Z) mm/min | | | |
| THE WING ST. 1100 | Pump Tool cooling kW | | | |
| TURNING FLUID UNIT | (submersion type) Turning washing kW | | | |
| | Water tank volume Liters | | | |
| HYDRAULIC UNIT | Pump kW | | | - |
| | Oil tank volume Liters | | | |
| LUBRICATION UNIT | Pump W | | | 12 |
| | Oil tank volume Liters | | | 4 |
| MACHINE EXTERIOR | Width mm | | | 2100 |
| (EXCLUDING CHIP CONVEYOR) | Depth mm | | | 2500 |
| NAME AND ADDRESS OF THE PARTY O | Height mm | | 10,000 | 2580 |
| MACHINE WEIGHT | Weight kg | | | 6000 |
| POWER CAPACITY | kVA | | 120 | 25 |
| CONTROL SYSTEM | | FANUC 01-TTC | FANUC 0i-TTC | FANUC 0i-MD |

選購附件



專業生產線規劃

可依各輪圈廠之不同產量需求、成本考量與生產條件等,提供生產線專業諮詢 與規劃。



花崗岩頭座

採用花崗岩材質,能有效吸收主軸本身 運轉中所產生的振動,使機器運作穩定 度大幅提昇。



電動夾頭(WVL-F24A)

自行研發輪圈加工專用電動夾頭。



電氣箱空調

高性能冷卻系統,提供電控箱內部之恆 溫運作。(依廠牌不同,價格有所變動)



變壓器

220V/380V/415V/440V



機械手臂

機械手臂與機台連線,建立自動化系統。



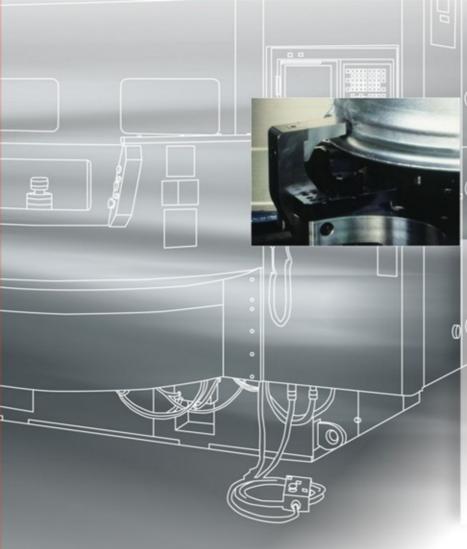
€安全護欄

選配附件、

| | 電動夾頭(WVL-F24A) | 安全自動門 |
|---|----------------|--------|
| | 指爪夾頭(WHL) | 電氣箱空調 |
| l | 工件計數器(外部) | 三色警示燈 |
| ı | 油水分離裝置 | 冷卻系統 |
| l | 加裝第4軸 | 機械手臂 |
| | 變壓器 | CE安全護欄 |

標準附件 & 選配附件

| ITEM | WHL-55 | WHL-55SP | WHL68 | WHL68SP | WVL-F24 | WVL-F24A | WVD-24 |
|------------------------------|--------|----------|-------|---------|---------|----------|----------|
| 6刀(刀塔) | | | • | • | ● X2 | ● X2 | • |
| 8刀(刀塔) | • | | | | | | |
| 12刀(刀塔) | • | | • | | | | |
| 油壓動力單元 | • | • | • | • | • | • | |
| 自動潤滑系統 | | • | • | • | | • | • |
| | • | 0 | • | • | • | • | |
| 外徑刀座 | • | • | • | • | | | |
| 工作燈 | • | 0 | • | • | • | | • |
| 水平調整螺栓及墊片 | • | • | • | • | • | 0 | |
| 操作/保養/電控/零件手冊 | | 0 | • | • | • | • | • |
| 夾頭吹清裝置 | | | | | | 0 | |
| 工件計數器(內建) | | | • | • | | | • |
| 冷熱交換機 | • | • | • | • | • | | • |
| 切屑輸送機及集屑車 | | | • | • | | • | • |
| FANUC操作說明書 | | • | • | • | • | • | • |
| 安全自動門 | | • | • | • | | 0 | • |
| 內藏式主軸馬達 | | • | | • | | | |
| 機外試轉裝置 | | | | | | 0 | |
| 自動交換工作台(APC) | | | | | | 0 | |
| C1級球導桿 | • | • | • | • | • | • | |
| 冷卻系統 | • | • | • | • | 0 | 0 | • |
| 變壓器 | • | • | • | • | • | • | • |
| 指爪夾頭(WHL) | • | • | • | • | | | |
| 花崗岩頭座 | | 0 | | • | | | |
| 水平調整治具 | • | 0 | 0 | | • | • | • |
| 油水分離裝置 | • | | | • | • | 0 | • |
| 工件計數器(外部) | • | | • | • | 0 | 0 | • |
| 三色警示燈 | | • | • | • | • | 0 | • |
| 電動夾頭(WVL-F24A) | | | | | | • | () () |
| 電氣箱空調 | • | • | • | • | • | • | • |
| 加裝第4軸(加工氣孔或加工胎壓檢測安裝孔及背面加工作業) | | | | | | | • |
| 無人化自動機械手臂 | • | • | • | • | • | | • |
| CE安全護欄 | • | • | • | • | • | • | 0 |
| 專業生產線規劃 | • | 0 | • | • | 0 | • | • |



Quality & Productivity Specialist

QUALITY ASSURANCE

Far East Machinery has standardized the processing and testing procedures for each specific model based on the machine characteristics, in order to guarantee quality and operational reliability. Assembly operators will use the fully featured auto-inspection function to test and record the system.

All machines manufactured by Far East Machinery conform to international testing standards.

All machines are QA tested with precision instruments before shipment to guarantee quality.

Toll Free Service Line:

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