



A Great fit for
Value Buyers who want
High performance

TM
ANTRED

ANTRED PRIVATE LIMITED

WWW.ANTREDPL.COM

WE ANTRED PRIVATE LIMITED, founded in 2017 at THAKURNAGAR, KOLKATA, WEST BENGAL, has rapidly grown to become a leading manufacturer and supplier of advanced machinery in the eastern part of India. Specializing in CNC router machines, CO2 lasers, fibre laser marking systems, channel bending machine and multifunctional CNC wooden turning lathe machines, we are committed to delivering high-quality and innovative solutions to meet the diverse needs of our clients. Our state-of-the-art equipment is designed to enhance productivity and precision, ensuring that we remain at the forefront of technological advancements in the industry.

Our commitment extends beyond providing top-notch products; we aim to empower our customers with the knowledge and skills needed to fully utilize these advanced technologies. By offering comprehensive training sessions, detailed manuals, and ongoing support, we ensure that our clients can maximize the potential of every machine and application we provide.

We believe that innovation is not just about the latest gadgets but also about creating meaningful solutions that address real-world challenges. Our team of experts is constantly researching and developing new applications that can transform industries and improve lives. From enhancing productivity in manufacturing to enabling groundbreaking discoveries in research, our technologies are designed to make a significant impact.

Moreover, we foster a community-driven approach where feedback and collaboration are highly valued. By listening to our customers and understanding their unique needs, we can tailor our solutions to better serve them. Together, we can drive progress and make technological advancements accessible to everyone.

Join us on this exciting journey of discovery and growth. Let's shape the future with innovative technologies and a shared passion for excellence.



ANTRED SERVO SERIES

CNC ENGRAVING & ROUTER MACHINE

2D/3D-HD

Model:ANT-1525 SS



Servo Alarm



Linear Guideways (HIWIN)



Automatic z Tool Calibration



Coupling



Temp Sensor



Air Cool Spindle (3.5KW/4.5KW/6KW)



Oil Tank With (8MM Pipe)



SHIMPO Gear BOX



Motor (Servo)



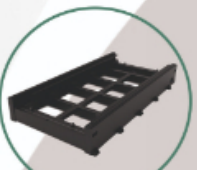
Side Column (8MM Tube)



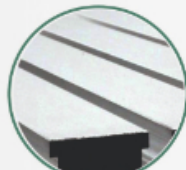
Hand Held Controller



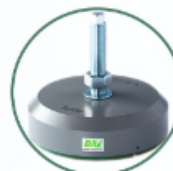
Rigid PVC Sheet



Heavy Duty Structure (8mm Tube)



Aluminum profile (2.2 mm)



Heavy Duty Anti Vibration Rubber Pad



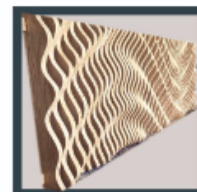
High precision Rack & Pinion YYC



FEATURES

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- This machine have best axis speed at all direction(X,Y,Z) for heavy duty welded frame and granty as know for unique design. .
- Taiwan make-25mm LM guideways for high positional accuracy & long life motion
- Best quality & High capacity HQD/HSD Italian spindle gives you less trouble free production .
- Famous servo drive system with efficiency and precision.
- An advance planetary gearbox for producing detailed and high quality carving with in a short time frame of 5-6hour.
- Periodic lubrication maintenance provided by lubrication system.
- Axis Drive system : X, Y - Rack, Z-Ball Screw.
- Working table is covered with rigid PVC sheet for long life of aluminum T slot table.



Specifications

Model	ANT-1325	ANT-1525	ANT-1530
Working Area (X, Y, Z)	1300x2500x250 mm - 1500 x 2500 x 250 mm - 1500 x 3000 x 250 mm		
Spindle power	1.5 KW/2.2 KW/3.5KW /4.5 KW/5.5KW /6KW /7KW/9KW/12 KW		
Spindle Speed	0-18000 RPM		0-24000 RPM
Cooling Type	Air Cooled/Water Cooled		
Drive System	Servo/Stepper-Leadshine/Yaskawa/Panasonic/Delta/Invtr/Fuji		
Gear Box	Planetary servo Gear Box-Ratio 1:5/1:7/1:10		
Inverter(VFD)	Delta/Best/Folinn/invtr/Freon		
Max. Rapid Speed	up to 25mm-40mm /min		
Max.walking speed	Up to 35mm-55mm/min		
Accuracy	0.05 mm		
Power Supply	AC 230V - Single-PH / AC 420v-Three PH 50-Hz		
Gross Weight	1050KG/1250KG/1650KG		

Specification are liable to change without prior notice.

Note : AC420V power supply will be applicable for 6 KW spindle.

Optional Items

- Dust Collecting System
- Vacuum Bed System
- Double Head Spindle
- Automatic Oil Lubricating system
- Cnc Router Machine With Side Rotary
- Multi Spindle Router



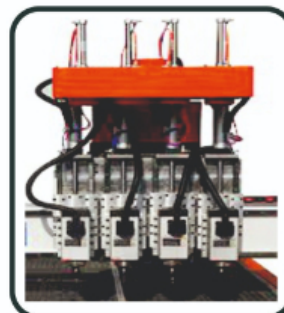
Dust Collecting System



Double Head Spindle



Automatic Oil Lubricating system



Multi Spindle Router



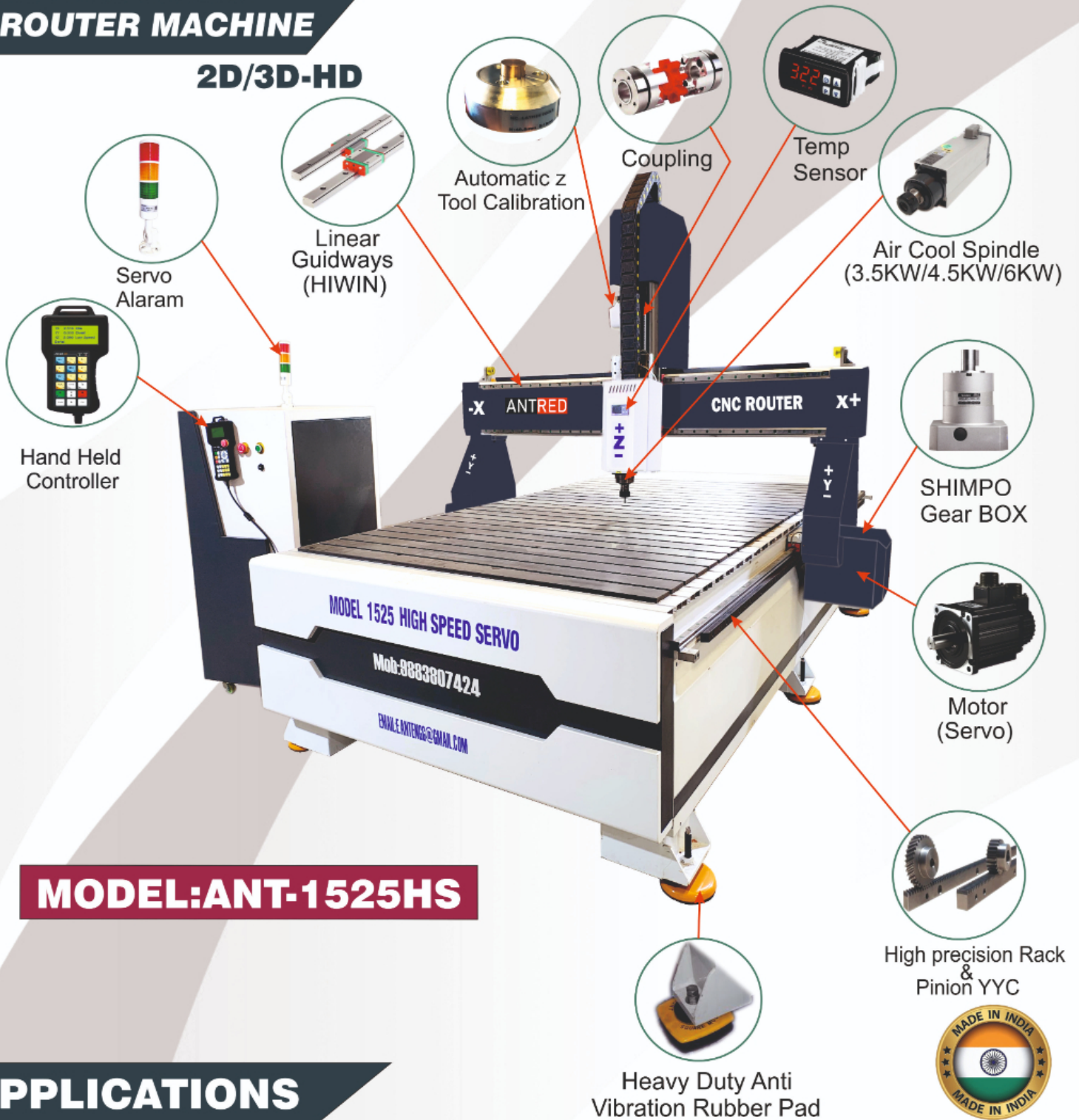
Vacuum Pump

ANTRED SERVO SERIES

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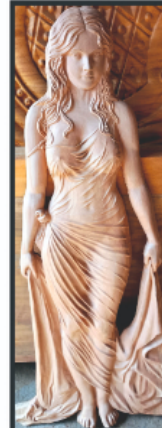
CNC ENGRAVING & ROUTER MACHINE

2D/3D-HD



MODEL: ANT-1525HS

APPLICATIONS



APPLICATIONS

3D CARVING



JALI CUTTING



2.5D CARVING



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CNC ENGRAVING AND ROUTER MACHINE 2D/3D-HD

OPTION ROUTER MODELS

MODEL:ANT 1525 HS CLASSIC



MODEL:ANT 1325 NS



MODEL:ANT 1525 NS



OPTION ROUTER MODELS

DOUBLE HEAD CNC ROUTER



ANT:1525 HS-DH

MULTI-HEAD CNC ROUTER



HEAVY DUTY CNC ROUTER WITH SAW BLADE

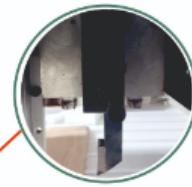


CNC SIDE ROTARY WITH LATHE ATTACHMNT

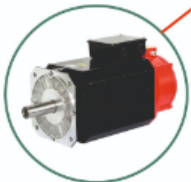
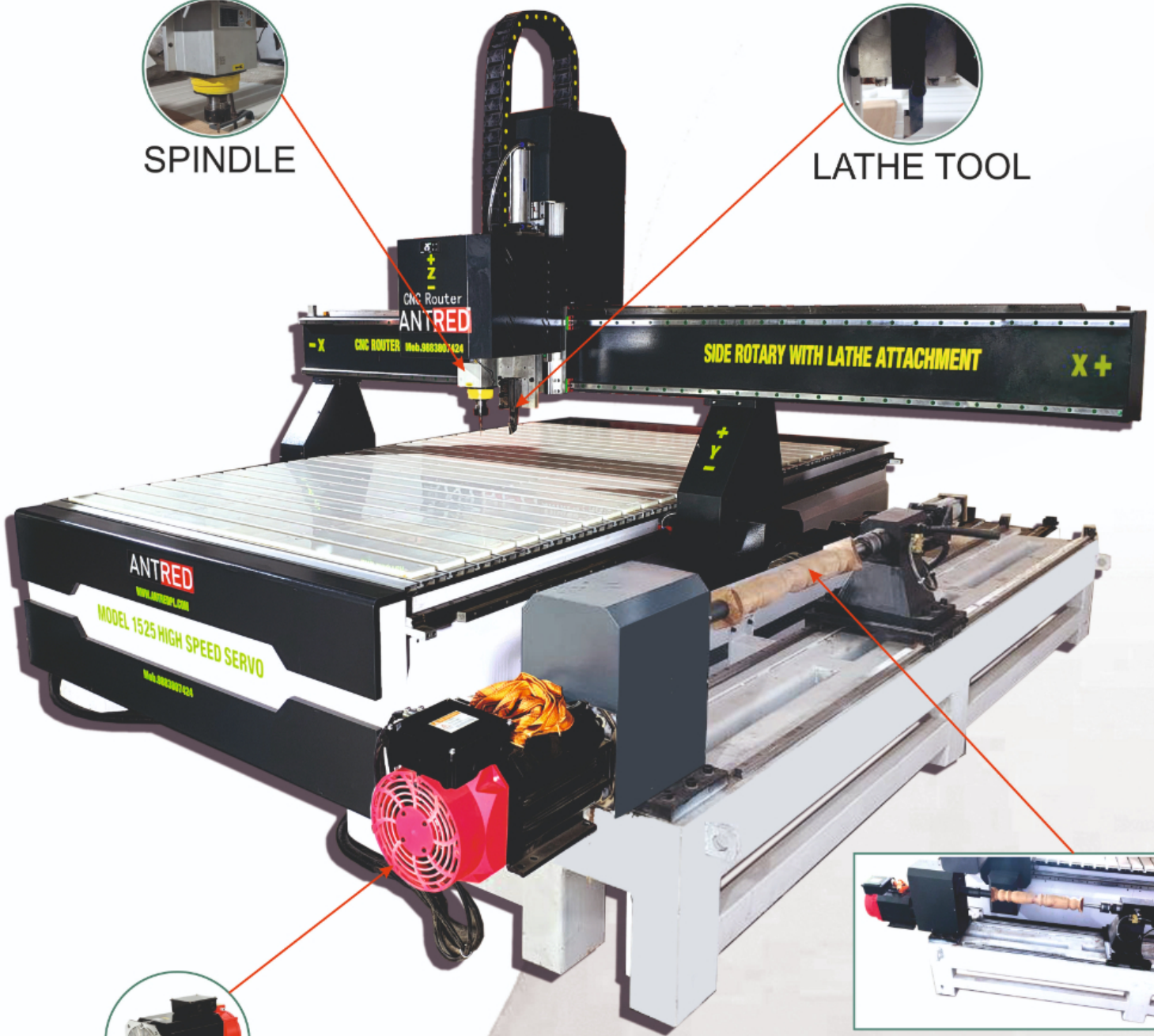
ANTRED™



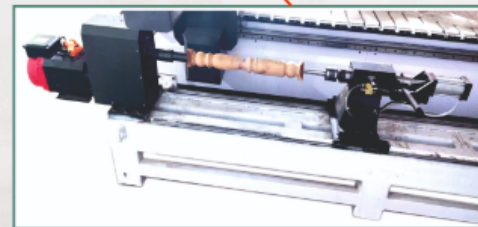
SPINDLE



LATHE TOOL



4kw Servo Motor



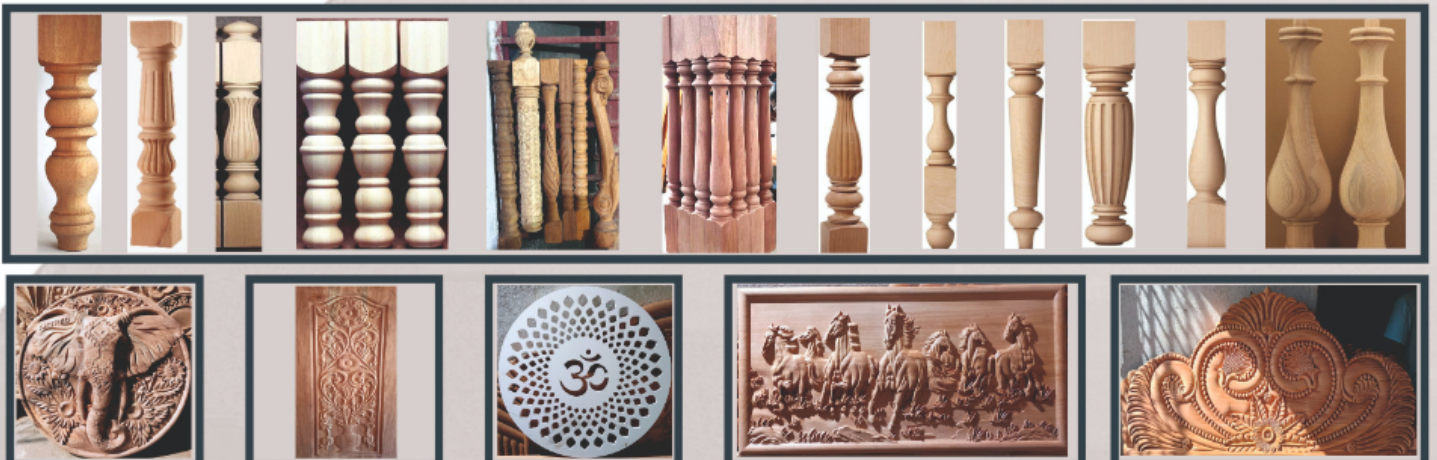
SIDE ROTARY ATTACHMNT

MODEL: ANT-1525 HS-R

APPLICATIONS

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APPLICATIONS

3D CARVING



APPLICATIONS

3D CARVING



CNC WOOD LATHE**ADVANTAGES**

- Whole machine is welded with seamless steel structure to make sure frame stabilized and never deformed.
- Special used for wood turning & wooden cylinder engraving for table leg & stair railing.
Adopt Germany ball screw and taiwan HIWIN helical square guide rail with precision and longevity
- Compatible with several CAD/CAM design software, e.g. type3, artcam, etc. CAD/CAM, type3, artcam.
- Rotating speed can be adjusted by inverter.
- With adding spindle could achieve turning, broaching and engraving all in one.
- One time tool setting to finish the whole work piece.
- Turning, broaching and engraving can be done with one machine by high speed.

**TECHNICAL PARAMETER**

Model	ANTRED WL-1020/WL-1530
Max processing length	1000/1500mm(can custom 2000/2500/3000mm)
Max turning diameter	200/300mm
Air pressure	0.6-0.8Mpa
Power supply	AC 220/380V Single/3phase 50HZ/60HZ
Main shaft rotating speed	0-3000r/min
Motor power	4kw
Optional	3.5kw Air Cooling Spindle



OPTION MODELS



ANTRED-1550 CNC Wood Lathe with Spindle



ANTRED-1545 Auto Feeding CNC Wood Lathe

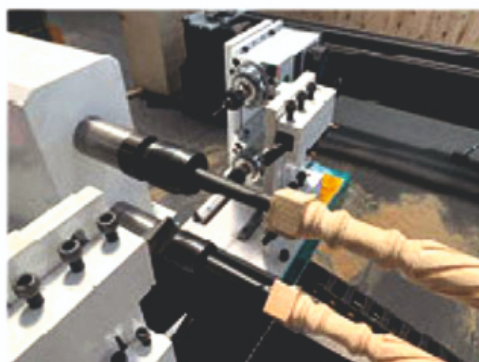


ANTRED-1560 CNC Wood Lathe with Spindles



ANTRED-1555 Auto Feeding CNC Wood Lathe

DETAILS



AUTO FEEDING MINI CNC WOOD LATHE



ADVANTAGES

- Special for Small wood craft making
- Advanced LCD system with USB port, easy for operating without a computer USB
- One time tool setting to finish the whole work piece with auto feeding



TECHNICAL PARAMETER

Model	ANTRED-50	ANTRED-70
max process Length	150mm	150mm
Process Diameter	3-50mm	3-70mm
Machine Size	1800*1000*1100mm	
Transmission Way	Ball screw with imported bearings	
Orbit	Square guide orbit	
System	LCD Control panel	
Power	3KW	
Working Voltage	AC220V 50/60Hz	
Drawing Software	AUTOCAD	
Drawing Format	*.PNG/DXF	

CARVING SAMPLES



4 AXIS 8 HEAD CNC ROUTER**APPLICABLE INDUSTRIES**

Besides working on flat materials, the machine is widely used in carving cubic and column work piece such as wooden table legs, the human body, figure of buddha, the goddess of mercy, sculpture, handi crafts, stair handrail, cylinder musical instruments.

**TECHNICAL PARAMETER**

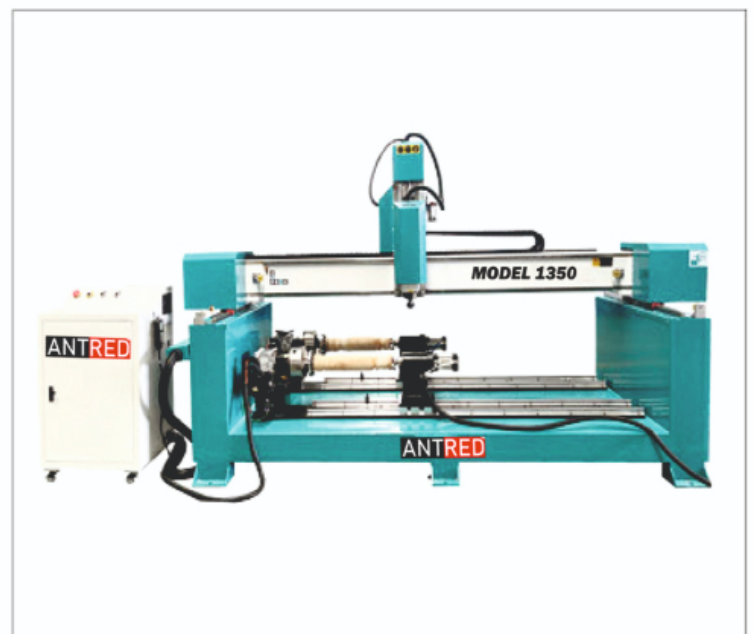
Model	ANTRED-1225
XY Working Area	1200x250mm
Spindle	8*2.2KW water cooling spindle
Speed of spindle	0-24000 rpm/min
Max. speed	60 m/min
Max.Working Speed	30 m/min
Working Delicacy	0.05 mm
Table	movable table
Command	G code *u00* mmg*plt
Surrounding For Software	Windows98/2000/xp/win7
Power	Ac380 3 phases
Work Mode	Servo motor
Structure	Steel structure, square orbit, ball screw
Control Software	RichAuto 4 axis A18 DSP handheld

CARVING SAMPLES

4 AXIS ROTARY CNC ROUTER



WORKING TABLE FOR FLAT SHAPE



DOUBLE ROTARY SYSTEM

Laser Engraving & Cutting Maching

Model-ANTRED-ENG

ANTRED™

Application



MODEL:ANT-1390 CL

Features & Technical Specifications

- Type - CO₂ Laser Engraving & Cutting Machine
- Structure - Precision belt system.
- X-Y optical path system ensures consistency in cutting.
- Aluminum strip working table has wide application working options and field can engrave all kinds of non-metal within working area (optional honeycomb available on demand)
- Smart curve controller with USB2.0 high speed interface, safer and faster data transmission

Model NO	ANT-6090	ANT-1390	ANT-1313	ANT-1410
Laser Type	Co2 DC Glass Laser Tube			
Laser Power	60/80/100/130/150 Watt			
Wave Length	10.6 um			
Supply Voltage	AC 220V±10%			
Reposition Accuracy	± 0.05 mm			
Cutting Speed	0 ~ 30000 mm/min			
Engraving Speed	0 ~ 64000 mm/min			
Cooling Method	Water Cooled			
Work Environment	Temp: 0 C ~ 45 c. Humidity: 5% ~ 95%			
Acceleration Speed	1G			
Working Area	600x900	1300x900	1300x1300	1400x1000
Graphic File Support	.plt, .cdr, .ai, .dwg, .dxf, .bmp, .jpeg, .tiff, gif, etc.			

CNC Router Machine Spares Parts

• SPINDLES



Water Cooled



HSD Air Cooled



HSD Air Cooled



HITECO Air Cooled

• VFD



BEST VFD



FOLINN VFD



DELTA VFD



FRECON VFD

• MOTION CONTROLLERS



DSP RICHAUTO



DSP Nk105 G2



DSP Nk105 G3



DISPLAY CONTROLLER



BELT PULLEY GEARBOX



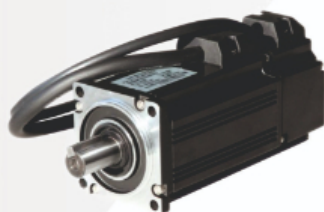
SHIMPO GEARBOX

• TRANSMISSION SYSTEMS

• SERVO DRIVES&MOTORS



HYBRID AC SERVO DRIVE



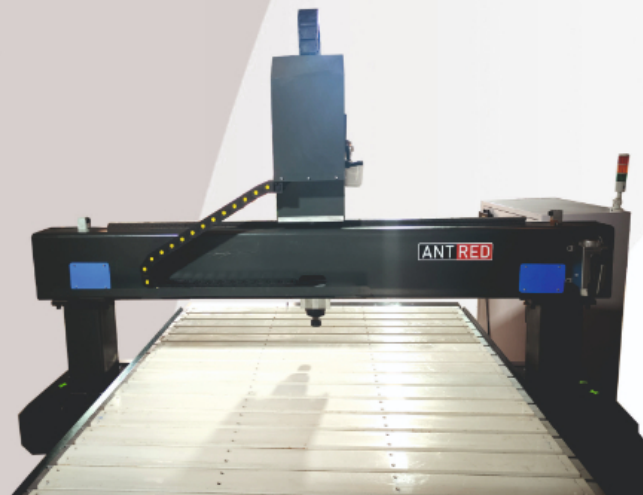
HYBRID AC SERVO MOTOR



AC SERVO DRIVE



AC SERVO MOTOR

CNC Router Machine Spares Parts**AC DC INPUT
LINE FILTER****DYNAMIC BREAKING
RESISTOR****EMI FILTER****AIR BREAKER
(SCHNEIDER)****AC SERVO
DRIVER
(1kW)****AC SERVO
MOTOR (1kW)****VPR****CNC ENGRAVING
& ROUTER MACHINE****2D/3D-HD**

MASTER COLLECTION



CNC Router bits for cutting Challenges for all Types of Material



ANTRED PRIVATE LIMITED

Solution for CNC Machines

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