

RICH TECHNOLOGY

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RICH TECHNOLOGY

PROFESSIONAL WATERJET MACHINERY SUPPLIER

Client

China	Kenya	Singapore	Thailand	Saudi Arabia	Uzbekistan
Australia	U.S.A	Romania	Japan	Tai wan	Kazakhstan
Dubai	Syria	Canada	Mexico	Tajikistan	Morocco
Myanmar	Malaysia	Indonesia	South Africa	Brazil	India
Mali	Cambodia	Kuwait	Vietnam	Venezuela	Iran
Spain	Jordan	Egypt	Macedonia	Turkey	Libya



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COMPANY PROFILE

Foshan RICH Technology Co., Ltd. is a professional waterjet machinery manufacturer. With its own R&D team, RICH has a strong supply ability for accessories, full-set machine after-sales service and highly customized machinery.

As a leading manufacturer of premium quality both domestically and abroad, we export our products to various countries and regions such as: Europe, Middle East, Southeast Asia, Canada, America etc.

We value the feedback and suggestions from our clients and keep polishing our waterjet cutting technology to remain competitive on the worldwide stage.

RICH

WATERJET MACHINERY

DETAILED DESIGN

Perfected Manufacturing



AC 5-Axis Fashion Series

Final Product



Cutting Table



Intensifier System



CNC Main Controller



Abrasive Feeding system



Competitive in value, Stability and easy-maintenance.

RICH TECHNOLOGY

AC 5-AXIS SERIES

Cutting Table



8th-gen AC 5-Axis cutting head. C-Axis rotation angle:unlimited.



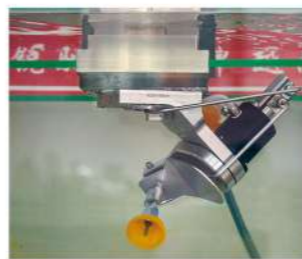
Laser altimeter assures high-accuracy bevel cutting.



Annealing&Grit Blast Treatment makes a better fundation for cutting process



Molten Beam provides high straightness accuracy



Waterproof Cutting Head solves abrasive wetting issue

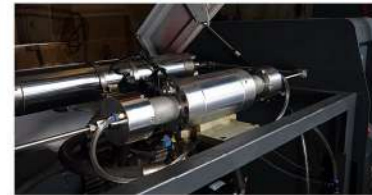
Waterjet Machine Parameter						
Cutting Table	Model	RC2515	RC3015	RC3020	RC4020	
	Table Size (mm, Length * Width)	2600*1600	3100*1600	3100*2100	4100*2100	
	Weight (kgs)	3650	3750	3850	4650	
	Cutting Stroke	X * Y-axis (mm)	2100*1400	2600*1400	2600*1900	3600*1900
		Z-axis (mm)	100			
		Rotation Angle (degrees)	A-axis ±75° C-Axis unlimited			
	Accuracy	Cutting Accuracy	±0.1mm (as per 200mm)			
		Repeatability Accuracy	±0.05mm			
	Traverse Speed	6500/15000 mm/min				
	Intensifier Unit	Size (L*W*H, mm)	1700*1100*1870			
Weight (kgs)		1108				
CNC Controller	Size (L*W*H, mm)	760*730*1680				
	Weight (kgs)	104				
Abrasive Feeding System	Size (L*W*H, mm)	800*800*1400				
	Weight (kgs)	100				
Power	220V/380V/440V/415V AC 50/60HZ					
Model	Fasion					
Maximum Pressure	450 MPa					
Normal Working Pressure	320~380 MPa					
Orifice Size (mm)	0.26 / 0.30 / 0.33 / 0.35					
Oil Pump Displacement (cc)	71/65					
Oil Cylinder Diameter (mm)	101.6					
Machine Appearance Design	Classic					

ITEM	Machine Layout	Remarks
Cutting Head Parts		
Cutting Head Material	<input type="radio"/> Aluminium <input checked="" type="radio"/> Stainless Steel	
Weight Balancing	<input checked="" type="radio"/> Not Required <input type="radio"/> Yes	Not needed for our machine because of high-quality speed reducer. Also the cutting head is easier for maintenance.
Cutting Head Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> IP68	
Cutting Head Fixing Method	<input type="radio"/> Column <input checked="" type="radio"/> Plate connection	
Joint Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> IP68	

ITEM	Machine Layout	Remarks
Cutting Mode	<input checked="" type="radio"/> 3-Axis <input type="radio"/> 5-Axis	
Level Checking Function	<input type="radio"/> N/A <input type="radio"/> Metal Bar <input checked="" type="radio"/> Laser	Ensures cutting flatness.
Level Checking Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> full-sealing	
Head Structure Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> IP67	
Abrasive Valve Structure	<input type="radio"/> Plastic <input checked="" type="radio"/> 304 stainless steel	With extra waterproof design.
Cutting Head Structure	<input type="radio"/> Split-type <input checked="" type="radio"/> Integrated	
Cutting Table		
Guide Rail/Screw Lubrication	<input type="radio"/> Drip lubrication <input checked="" type="radio"/> Oil bath lubrication	
Y-Axis Driving Mode	<input type="radio"/> Synchronous Belt <input checked="" type="radio"/> Dual-motor	For longterm & high-accuracy processing.
X-Axis Guide Screw	<input type="radio"/> 25mm <input type="radio"/> 32mm <input checked="" type="radio"/> 40mm	
Y-Axis Guide Screw	<input type="radio"/> 25mm <input type="radio"/> 32mm <input checked="" type="radio"/> 40mm	
Axis Slide Carriage	<input type="radio"/> No Process <input checked="" type="radio"/> Tow-face Milling	
X-beam Material/Processing	<input type="radio"/> Welding <input type="radio"/> Bending <input checked="" type="radio"/> Cast Iron	
Y-beam Material/Processing	<input type="radio"/> Welding <input type="radio"/> Bending <input checked="" type="radio"/> Cast Iron	
Guide Rail Structure	<input type="radio"/> Spherical Guide <input checked="" type="radio"/> Roller Guide	Much longer lifespan.
Guide Rail Accuracy Level	<input type="radio"/> Low <input type="radio"/> Mid <input checked="" type="radio"/> High	
Guide Straightness Process	<input type="radio"/> No Process <input checked="" type="radio"/> Marble Platform	For guide straightness calibration.
Guide Straightness	<input checked="" type="radio"/> <0.05mm <input type="radio"/> ≥0.05mm <input type="radio"/> ≥0.15mm	The smaller the better.
Water Tank Axis Support	<input type="radio"/> Simple Structure <input checked="" type="radio"/> Complex Structure	
Water Tank Structure	<input type="radio"/> Single Layer <input checked="" type="radio"/> Dual Layer	
Water Tank Process 1	<input type="radio"/> N/A <input checked="" type="radio"/> Annealed	
Water Tank Process 2	<input type="radio"/> N/A <input checked="" type="radio"/> Grit Blasted	
Fundamental Point Locating	<input type="radio"/> Painting <input checked="" type="radio"/> Positioning Piece	
Table Support Material	<input type="radio"/> Square Tube <input checked="" type="radio"/> Solid Flat Tube	
Support Bar Adjustable	<input type="radio"/> N/A <input checked="" type="radio"/> Yes	
Outer Cover Material	<input type="radio"/> 201 Stainless Steel <input checked="" type="radio"/> 304 Stainless Steel	
X-beam Dustproof Structure	<input type="radio"/> N/A <input checked="" type="radio"/> Baffle & Brush Fence	
Y-beam Dustproof Structure	<input type="radio"/> N/A <input checked="" type="radio"/> Maze Structure	
Power Cable	<input type="radio"/> Normal <input checked="" type="radio"/> Towline Cable	
Cable Skin Material	<input type="radio"/> Normal <input checked="" type="radio"/> PUR	
Compressed Air Drying	<input type="radio"/> N/A <input checked="" type="radio"/> Automatic	
Wire Casing Process	<input type="radio"/> N/A <input checked="" type="radio"/> Hole Punching	For waterdrainage purpose.



Air-con Cooling
Better cooling method, easier for daily maintenance.



Imported HP cylinder Material
Maintenance-free Water Accumulator



Oil-pressure Accumulator stabilizing oil pressure



Touch Screen and Pressure Monitor
Automatic leaking, over-heating, daily maintenance reminder and other related reminder.



Outer Oil-filter Design
much easier maintenance



Dual Oil-circuit, Dual Oil Pump
independent pump cooling oil-circuit

ITEM	Machine Layout			Remarks
Intensifier System				
Cooling Method	<input type="radio"/> Air	<input checked="" type="radio"/> Water	<input type="radio"/> Air-con	
Main Motor Power	<input type="radio"/> 30kW	<input checked="" type="radio"/> 37kW	<input type="radio"/> 45kW	
Oil Pump Type	<input checked="" type="radio"/> Vane Pump		<input type="radio"/> Variable Pump	
Oil Circuit Structure	<input type="radio"/> Single-circuit	<input checked="" type="radio"/> Dual-circuit		Separate oil cooling circuit
Oil Circuit Connect Method	<input type="radio"/> Rubber Sealing	<input checked="" type="radio"/> Metal Cone Structure		
Alarming System	<input type="radio"/> N/A	<input checked="" type="radio"/> Automatic		Self-diagnosis and auto alarming system.
Oil Cylinder Processing	<input type="radio"/> N/A	<input checked="" type="radio"/> inner chrome plating		Harden chrome plating for cylinder inner side.
Oil Cylinder Material	<input type="radio"/> Stainless Steel	<input checked="" type="radio"/> 40Cr Stainless Steel		
Oil Piston Material	<input type="radio"/> local product	<input checked="" type="radio"/> imported		Higher anti-pressure capacity.
Oil Piston Seal Kit	<input type="radio"/> local product	<input checked="" type="radio"/> Taiwan imported		
Overflow Valve Supplier	<input type="radio"/> Huade	<input checked="" type="radio"/> Taiwan Yuken		
Low/High pressure switching	<input type="radio"/> N/A	<input checked="" type="radio"/> Applicable		Low pressure penetration, high pressure cutting
Electro-hydraulic Reversing Valve	<input checked="" type="radio"/> US Sunny	<input type="radio"/> Others		
Oil-filter Position	<input type="radio"/> inside oil tank	<input checked="" type="radio"/> outside oil tank		

ITEM	Machine Layout		Remarks
High Pressure Measurement	<input type="radio"/> Oil Measurement	<input checked="" type="radio"/> Direct HP Water	Most accurate HP water working pressure status.
Pressure Sensor Supplier	<input checked="" type="radio"/> Firstrate	<input type="radio"/> Others	Best pressure sensor supplier in China.
Temperature Controller	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Temp. Ctrlr. Supplier	<input checked="" type="radio"/> Taiwan Imported	<input type="radio"/> Others	
Inlet Water Pressure Sensor	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Cooling Water Sensor	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Oil Level Sensor	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Electrical Fittings	<input checked="" type="radio"/> Schneider	<input type="radio"/> Others	
Wire Connection Method	<input type="radio"/> Circular Connector	<input checked="" type="radio"/> Plug-in Connector	
Water Pump	<input type="radio"/> Others	<input checked="" type="radio"/> Imported from Italy	
Water Filter	<input type="radio"/> 250mm	<input checked="" type="radio"/> 500mm	
HP-tube Connection Method	<input type="radio"/> HP-tube bending	<input checked="" type="radio"/> 2 or 3 way connector	
HP-tube supplier	<input type="radio"/> Others	<input checked="" type="radio"/> Imported	
Proximity Switch Connection	<input type="radio"/> Customized Socket	<input checked="" type="radio"/> Universal Socket	
Motor Shock Absorption	<input type="radio"/> N/A	<input checked="" type="radio"/> Shock Pad	
Extra Waterproof Material	<input type="radio"/> N/A	<input checked="" type="radio"/> Plastic Pad	

AC 5-AXIS SERIES

CNC Main Controller



Product Features



19-inch industrial screen USB access in front panel



Heat Exhaust Window

ITEM	Machine Layout		Remarks
CNC Controller			
CNC Computer Setting	<input type="radio"/> Touch Screen	<input checked="" type="radio"/> Industrial PC	
Numerical Control (NC) System Supplier	<input type="radio"/> RICH Tech	<input checked="" type="radio"/> Weihong	
NC System Control Method	<input type="radio"/> Pulse Control	<input checked="" type="radio"/> BUS Master Control	
Servo Motor Type	<input type="radio"/> Incremental	<input checked="" type="radio"/> Absolute Value	Data preserved even shutdown, less controlling switches, lower failure rate, higher accuracy.
Extra Protection Screen Glass	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Dust-proof Seal Bar	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Water Guide Groove	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Corrugated Pipe	<input type="radio"/> N/A	<input checked="" type="radio"/> Waterproof	Our corrugated pipe has high weight bearing ability.
Alarming Light	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	

AC 5-AXIS SERIES

Abrasive Feeding System

Product Features



auto reminding of abrasive level



Stainless Steel Funnel avoids any painting pollution



Abrasive Filter with Drying Function

ITEM	Machine Layout		Remarks
Automatic Abrasive Feeding System			
Switch Controlling Method	<input type="radio"/> Manual	<input checked="" type="radio"/> Pneumatic Switch	
Stainless Steel Cover	<input checked="" type="radio"/> Dust-proof	<input checked="" type="radio"/> Waterproof	
Abrasive Feeder Power	<input checked="" type="radio"/> 24V	<input type="radio"/> 220V	
Feeder Enhancement	<input type="radio"/> N/A	<input checked="" type="radio"/> Stainless Steel	
Abrasive Level Checking	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	Auto alarming when abrasive level is low.



AC 5-AXIS ELITE SERIES



Cutting Table



CNC Controller System



Intensifier System



Abrasive Feeding System

RICH Waterjet helps you to win the market competition.

RICH TECHNOLOGY

AC 5-AXIS SERIES

Cutting Table



304 Stainless Steel Outer Cover

easier to clean up, smaller chance to pollute cut material

AC 5-AXIS SERIES

Product Features

Waterjet Machine Parameter					
Cutting Table	Model	RC2515	RC3015	RC3020	RC4020
	Table Size (mm, Length * Width)		2600*1600	3100*1600	3100*2100
Weight (kgs)		3650	3750	3850	4650
Cutting Stroke	X * Y-axis (mm)	2100*1400	2600*1400	2600*1900	3600*1900
	Z-axis (mm)	100			
	Rotation Angle (degrees)	±75°			
	A-axis / C-Axis	unlimited			
Accuracy	Cutting Accuracy	±0.1mm (as per 200mm)			
	Repeatability Accuracy	±0.05mm			
Intensifier Unit	Traverse Speed	6500/15000 mm/min			
	Size (L*W*H, mm)	1700*1100*1870			
CNC Controller	Weight (kgs)	1108			
	Size (L*W*H, mm)	760*730*1680			
Abrasive Feeding System	Weight (kgs)	104			
	Size (L*W*H, mm)	800*800*1400			
	Weight (kgs)	100			
	Power	220V/380V/440V/415V AC 50/60HZ			
	Model	Elite			
	Maximum Pressure	450 MPa			
	Normal Working Pressure	320~350 MPa			
	Orifice Size (mm)	0.26 / 0.30 / 0.33 / 0.35			
	Oil Pump Displacement (cc)	63 / 65 / 80			
	Oil Cylinder Diameter (mm)	101.6			
	Machine Appearance Design	Classic			

ITEM	Machine Layout	Remarks
Cutting Head Parts		
Cutting Head Material	<input type="radio"/> Aluminium <input checked="" type="radio"/> Stainless Steel	
Weight Balancing	<input checked="" type="radio"/> Not Required <input type="radio"/> Yes	Not needed for our machine because of high-quality speed reducer. Also the cutting head is easier for maintenance.
Cutting Head Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> IP68	
Cutting Head Fixing Method	<input type="radio"/> Column <input checked="" type="radio"/> Plate connection	
Joint Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> IP68	

ITEM	Machine Layout	Remarks
Cutting Mode	<input type="radio"/> 3-Axis <input checked="" type="radio"/> 5-Axis	
Level Checking Function	<input type="radio"/> N/A <input type="radio"/> Metal Bar <input checked="" type="radio"/> Laser	Ensures cutting flatness.
Level Checking Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> full-sealing	
Head Structure Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> IP67	
Abrasive Valve Structure	<input type="radio"/> Plastic <input checked="" type="radio"/> 304 stainless steel	With extra waterproof design.
Cutting Head Structure	<input type="radio"/> Split-type <input checked="" type="radio"/> Integrated	
Cutting Table		
Guide Rail/Screw Lubrication	<input type="radio"/> Drip lubrication <input checked="" type="radio"/> Oil bath lubrication	
Y-Axis Driving Mode	<input type="radio"/> Synchronous Belt <input checked="" type="radio"/> Dual-motor	For longterm & high-accuracy processing.
X-Axis Guide Screw	<input type="radio"/> 25mm <input type="radio"/> 32mm <input checked="" type="radio"/> 40mm	
Y-Axis Guide Screw	<input type="radio"/> 25mm <input type="radio"/> 32mm <input checked="" type="radio"/> 40mm	
Axis Slide Carriage	<input type="radio"/> No Process <input checked="" type="radio"/> Tow-face Milling	
X-beam Material/Processing	<input type="radio"/> Welding <input type="radio"/> Bending <input checked="" type="radio"/> Cast Iron	
Y-beam Material/Processing	<input type="radio"/> Welding <input type="radio"/> Bending <input checked="" type="radio"/> Cast Iron	
Guide Rail Structure	<input type="radio"/> Spherical Guide <input checked="" type="radio"/> Roller Guide	Much longer lifespan.
Guide Rail Accuracy Level	<input type="radio"/> Low <input type="radio"/> Mid <input checked="" type="radio"/> High	
Guide Straightness Process	<input type="radio"/> No Process <input checked="" type="radio"/> Marble Platform	For guide straightness calibration.
Guide Straightness	<input checked="" type="radio"/> <0.05mm <input type="radio"/> ≥0.05mm <input type="radio"/> ≥0.15mm	The smaller the better.
Water Tank Axis Support	<input type="radio"/> Simple Structure <input checked="" type="radio"/> Complex Structure	
Water Tank Structure	<input type="radio"/> Single Layer <input checked="" type="radio"/> Dual Layer	
Water Tank Process 1	<input type="radio"/> N/A <input checked="" type="radio"/> Annealed	
Water Tank Process 2	<input type="radio"/> N/A <input checked="" type="radio"/> Grit Blasted	
Fundamental Point Locating	<input type="radio"/> Painting <input checked="" type="radio"/> Positioning Piece	
Table Support Material	<input type="radio"/> Square Tube <input checked="" type="radio"/> Solid Flat Tube	
Support Bar Adjustable	<input type="radio"/> N/A <input checked="" type="radio"/> Yes	
Outer Cover Material	<input type="radio"/> 201 Stainless Steel <input checked="" type="radio"/> 304 Stainless Steel	
X-beam Dustproof Structure	<input type="radio"/> N/A <input checked="" type="radio"/> Baffle & Brush Fence	
Y-beam Dustproof Structure	<input type="radio"/> N/A <input checked="" type="radio"/> Maze Structure	
Power Cable	<input type="radio"/> Normal <input checked="" type="radio"/> Towline Cable	
Cable Skin Material	<input type="radio"/> Normal <input checked="" type="radio"/> PUR	
Compressed Air Drying	<input type="radio"/> N/A <input checked="" type="radio"/> Automatic	
Wire Casing Process	<input type="radio"/> N/A <input checked="" type="radio"/> Hole Punching	For waterdrainage purpose.

AC 5-AXIS SERIES

Intensifier Unit



Imported HP cylinder Material
Maintenance-free Water Accumulator



Imported Accumulator Material
Maintenance free with Metal Seal Structure



Oil-pressure Accumulator
stablizing oil pressure



High quality Wire Sleeve
avoids outer force damaging cables

ITEM	Machine Layout		Remarks
Intensifier System			
Cooling Method	<input checked="" type="radio"/> Air	<input type="radio"/> Water <input type="radio"/> Air-con	
Main Motor Power	30kW	37kW	
Oil Pump Type	Vane Pump	Variable Pump	
Oil Circuit Structure	<input type="radio"/> Single-circuit	<input checked="" type="radio"/> Dual-circuit	Separate oil cooling circuit
Oil Circuit Connect Method	<input type="radio"/> Rubber Sealing	<input checked="" type="radio"/> Metal Cone Structure	
Alarming System	<input type="radio"/> N/A	<input checked="" type="radio"/> Automatic	Self-diagnosis and auto alarming system.
Oil Cylinder Processing	<input type="radio"/> N/A	<input checked="" type="radio"/> inner chrome plating	Harden chrome plating for cylinder inner side.
Oil Cylinder Material	<input type="radio"/> Stainless Steel	<input checked="" type="radio"/> 40Cr Stainless Steel	
Oil Piston Material	<input type="radio"/> local product	<input checked="" type="radio"/> imported	Higher anti-pressure capacity.
Oil Piston Seal Kit	<input type="radio"/> local product	<input checked="" type="radio"/> Taiwan imported	
Overflow Valve Supplier	<input type="radio"/> Huade	<input checked="" type="radio"/> Taiwan Yuken	
Low/High pressure switching	<input type="radio"/> N/A	<input checked="" type="radio"/> Applicable	Low pressure penetration, high pressure cutting
Electro-hydraulic Reversing Valve	<input checked="" type="radio"/> US Sunny	<input type="radio"/> Others	
Oil-filter Position	<input type="radio"/> inside oil tank	<input checked="" type="radio"/> outside oil tank	

AC 5-AXIS SERIES

Product Features

ITEM	Machine Layout		Remarks
High Pressure Measurement	<input type="radio"/> Oil Measurement	<input checked="" type="radio"/> Direct HP Water	Most accurate HP water working pressure status.
Pressure Sensor Supplier	<input checked="" type="radio"/> Firstrate	<input type="radio"/> Others	Best pressure sensor supplier in China.
Temperature Controller	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Temp. Ctrlr. Supplier	<input checked="" type="radio"/> Taiwan Imported	<input type="radio"/> Others	
Inlet Water Pressure Sensor	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Cooling Water Sensor	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Oil Level Sensor	<input type="radio"/> N/A	<input checked="" type="radio"/> Attached	
Electrical Fittings	<input checked="" type="radio"/> Schneider	<input type="radio"/> Others	
Wire Connection Method	<input type="radio"/> Circular Connector	<input checked="" type="radio"/> Plug-in Connector	
Water Pump	<input type="radio"/> Others	<input checked="" type="radio"/> Imported from Italy	
Water Filter	<input type="radio"/> 250mm	<input checked="" type="radio"/> 500mm	
HP-tube Connection Method	<input type="radio"/> HP-tube bending	<input checked="" type="radio"/> 2 or 3 way connector	
HP-tube supplier	<input type="radio"/> Others	<input checked="" type="radio"/> Imported	
Proximity Switch Connection	<input type="radio"/> Customized Socket	<input checked="" type="radio"/> Universal Socket	
Motor Shock Absorption	<input type="radio"/> N/A	<input checked="" type="radio"/> Shock Pad	
Extra Waterproof Material	<input type="radio"/> N/A	<input checked="" type="radio"/> Plastic Pad	

V 5-AXIS + AC 5-AXIS DUAL-HEAD SERIES



AC 5-Axis Cutting Product



V 5-Axis Cutting Product



Dual-head solution for Bevel or Parquet cutting
higher efficiency, better finishing

RICH TECHNOLOGY

V 5-AXIS + AC 5-AXIS DUAL-HEAD SERIES

Product Features

Waterjet Machine Parameter				
Model	RC3020	RC4020	RC4025	
	Table Size (mm, Length * Width)	3100*2100	4100*2100	4100*2600
Weight (kgs)	3650	3750	3850	
Cutting Stroke	X * Y-axis (mm)	2200*1950	3200*1900	3200*2450
	Z-axis (mm)	100		
	Rotation Angle (degrees)	A-axis	±75°	
		C-Axis	unlimited	
Accuracy	Cutting Accuracy	±0.1mm (as per 200mm)		
	Repeatability Accuracy	±0.05mm		
Intensifier Unit	Traverse Speed	6500/15000 mm/min		
	Size (L*W*H, mm)	1700*1100*1870		
CNC Controller	Weight (kgs)	1108		
	Size (L*W*H, mm)	760*730*1680		
Abrasive Feeding System	Weight (kgs)	104		
	Size (L*W*H, mm)	800*800*1400		
Power	Weight (kgs)	100		
	Power	220V/380V/440V/415V AC 50/60HZ		
Model	Elite			
Maximum Pressure	450 MPa			
Normal Working Pressure	320~350 MPa			
Orifice Size (mm)	0.26 / 0.30 / 0.33 / 0.35			
Oil Pump Displacement (cc)	63 / 65 / 80			
Oil Cylinder Diameter (mm)	101.6			
Machine Appearance Design	Classic			

ITEM	Machine Layout		Remarks
Cutting Head Parts			
Cutting Head Material	<input type="radio"/> Aluminium	<input checked="" type="radio"/> Stainless Steel	
Weight Balancing	<input checked="" type="radio"/> Not Required	<input type="radio"/> Yes	Not needed for our machine because of high-quality speed reducer. Also the cutting head is easier for maintenance.
Cutting Head Waterproof	<input type="radio"/> N/A	<input checked="" type="radio"/> IP68	
Cutting Head Fixing Method	<input type="radio"/> Column	<input checked="" type="radio"/> Plate connection	
Joint Waterproof	<input type="radio"/> N/A	<input checked="" type="radio"/> IP68	

ITEM	Machine Layout		Remarks
Cutting Mode	<input type="radio"/> 3-Axis	<input checked="" type="radio"/> 5-Axis	
Level Checking Function	<input type="radio"/> N/A	<input type="radio"/> Metal Bar	<input checked="" type="radio"/> Laser
Level Checking Waterproof	<input type="radio"/> N/A	<input checked="" type="radio"/> full-sealing	
Head Structure Waterproof	<input type="radio"/> N/A	<input checked="" type="radio"/> IP67	
Abrasive Valve Structure	<input type="radio"/> Plastic	<input checked="" type="radio"/> 304 stainless steel	
Cutting Head Structure	<input type="radio"/> Split-type	<input checked="" type="radio"/> Integrated	
Cutting Table			
Guide Rail/Screw Lubrication	<input type="radio"/> Drip lubrication	<input checked="" type="radio"/> Oil bath lubrication	
Y-Axis Driving Mode	<input type="radio"/> Synchronous Belt	<input checked="" type="radio"/> Dual-motor	
X-Axis Guide Screw	<input type="radio"/> 25mm	<input type="radio"/> 32mm	<input checked="" type="radio"/> 40mm
Y-Axis Guide Screw	<input type="radio"/> 25mm	<input type="radio"/> 32mm	<input checked="" type="radio"/> 40mm
Axis Slide Carriage	<input type="radio"/> No Process		<input checked="" type="radio"/> Tow-face Milling
X-beam Material/Processing	<input type="radio"/> Welding	<input type="radio"/> Bending	<input checked="" type="radio"/> Cast Iron
Y-beam Material/Processing	<input type="radio"/> Welding	<input type="radio"/> Bending	<input checked="" type="radio"/> Cast Iron
Guide Rail Structure	<input type="radio"/> Spherical Guide		<input checked="" type="radio"/> Roller Guide
Guide Rail Accuracy Level	<input type="radio"/> Low	<input type="radio"/> Mid	<input checked="" type="radio"/> High
Guide Straightness Process	<input type="radio"/> No Process		<input checked="" type="radio"/> Marble Platform
Guide Straightness	<input checked="" type="radio"/> <0.05mm	<input type="radio"/> ≥0.05mm	<input type="radio"/> ≥0.15mm
Water Tank Axis Support	<input type="radio"/> Simple Structure		<input checked="" type="radio"/> Complex Structure
Water Tank Structure	<input type="radio"/> Single Layer		<input checked="" type="radio"/> Dual Layer
Water Tank Process 1	<input type="radio"/> N/A		<input checked="" type="radio"/> Annealed
Water Tank Process 2	<input type="radio"/> N/A		<input checked="" type="radio"/> Grit Blasted
Fundamental Point Locating	<input type="radio"/> Painting		<input checked="" type="radio"/> Positioning Piece
Table Support Material	<input type="radio"/> Square Tube		<input checked="" type="radio"/> Solid Flat Tube
Support Bar Adjustable	<input type="radio"/> N/A		<input checked="" type="radio"/> Yes
Outer Cover Material	<input type="radio"/> 201 Stainless Steel		<input checked="" type="radio"/> 304 Stainless Steel
X-beam Dustproof Structure	<input type="radio"/> N/A		<input checked="" type="radio"/> Baffle & Brush Fence
Y-beam Dustproof Structure	<input type="radio"/> N/A		<input checked="" type="radio"/> Maze Structure
Power Cable	<input type="radio"/> Normal		<input checked="" type="radio"/> Towline Cable
Cable Skin Material	<input type="radio"/> Normal		<input checked="" type="radio"/> PUR
Compressed Air Drying	<input type="radio"/> N/A		<input checked="" type="radio"/> Automatic
Wire Casing Process	<input type="radio"/> N/A		<input checked="" type="radio"/> Hole Punching
			For waterdrainage purpose.



Product Features



V 5-Axis Waterproof Cutting Head(IP68)



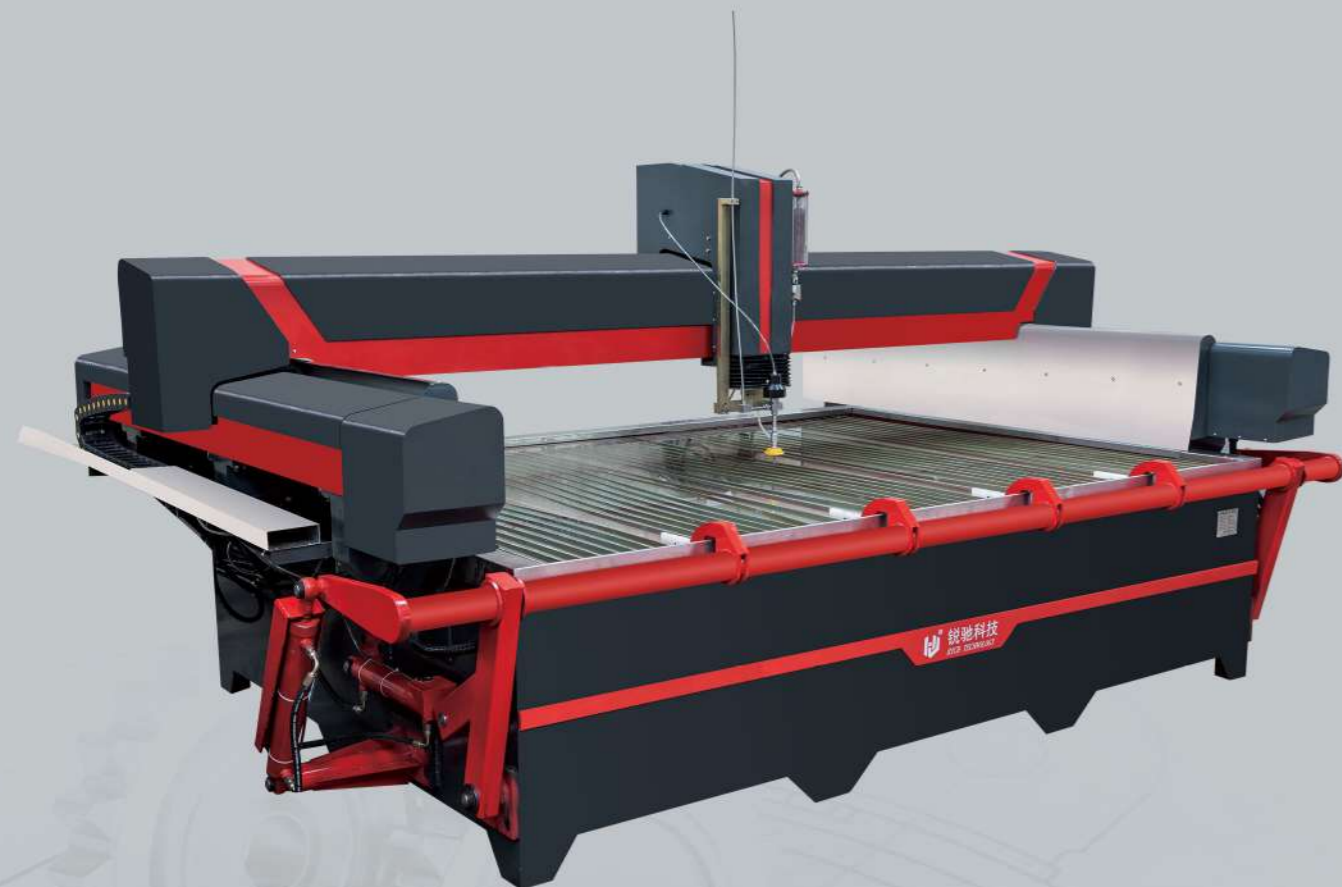
Stainless Steel Material Auto Level Measurement Structure

RICH TECHNOLOGY

Waterjet Machine Parameter						
Cutting Table	Model	RC2015	RC2515	RC3015	RC3020	RC4020
	Table Size (mm, Length * Width)		2100*1600	2600*1600	3100*1600	3100*2100
Weight (kgs)		2390	3650	3750	3850	4650
Cutting Stroke	X * Y-axis (mm)	1800*1500	2300*1500	2800*1500	2800*2000	3800*2000
	Z-axis (mm)	100				
	Rotation Angle (degrees)	normal	±5°			
Accuracy	Max.	±15°				
	Cutting Accuracy	±0.1mm (as per 200mm)				
	Repeatability Accuracy	±0.05mm				
	Traverse Speed	6500/15000 mm/min				
Intensifier Unit	Size (L*W*H, mm)	2390*1430*1500				
	Weight (kgs)	1108				
CNC Controller	Size (L*W*H, mm)	840*740*1700				
	Weight (kgs)	104				
Abrasive Feeding System	Size (L*W*H, mm)	800*800*1400				
	Weight (kgs)	100				
Power		220V/380V/440V/415V AC 50/60HZ				
Model		Fashion				
Maximum Pressure		450 MPa				
Normal Working Pressure		320-380 MPa				
Orifice Size (mm)		0.26 / 0.30 / 0.33 / 0.35				
Oil Pump Displacement (cc)		71 / 63				
Oil Cylinder Diameter (mm)		101.6 / 114.3				
Machine Appearance Design		New Fashion				

ITEM	Machine Layout	Remarks
Cutting Head Parts		
Cutting Head Material	<input type="radio"/> Aluminium <input checked="" type="radio"/> Stainless Steel	
Weight Balancing	<input checked="" type="radio"/> Not Required <input type="radio"/> Yes	Not needed for our machine because of high-quality speed reducer. Also the cutting head is easier for maintenance.
Cutting Head Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> IP68	
Cutting Head Fixing Method	<input type="radio"/> Column <input checked="" type="radio"/> Plate connection	
Joint Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> IP68	

ITEM	Machine Layout	Remarks
Cutting Mode	<input checked="" type="radio"/> 3-Axis <input checked="" type="radio"/> 5-Axis	
Level Checking Function	<input type="radio"/> N/A <input checked="" type="radio"/> Metal Bar <input type="radio"/> Laser	Lower the risk of mixing tube damage.
Level Checking Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> full-sealing	
Head Structure Waterproof	<input type="radio"/> N/A <input checked="" type="radio"/> IP67	
Abrasive Valve Structure	<input type="radio"/> Plastic <input checked="" type="radio"/> 304 stainless steel	With extra waterproof design.
Cutting Head Structure	<input type="radio"/> Split-type <input checked="" type="radio"/> Integrated	
Cutting Table		
Guide Rail/Screw Lubrication	<input type="radio"/> Drip lubrication <input checked="" type="radio"/> Oil bath lubrication	
Y-Axis Driving Mode	<input type="radio"/> Synchronous Belt <input checked="" type="radio"/> Dual-motor	For longterm & high-accuracy processing.
X-Axis Guide Screw	<input type="radio"/> 25mm <input type="radio"/> 32mm <input checked="" type="radio"/> 40mm	
Y-Axis Guide Screw	<input type="radio"/> 25mm <input type="radio"/> 32mm <input checked="" type="radio"/> 40mm	
Axis Slide Carriage	<input type="radio"/> No Process <input checked="" type="radio"/> Tow-face Milling	
X-beam Material/Processing	<input type="radio"/> Welding <input type="radio"/> Bending <input checked="" type="radio"/> Cast Iron	
Y-beam Material/Processing	<input type="radio"/> Welding <input type="radio"/> Bending <input checked="" type="radio"/> Cast Iron	
Guide Rail Structure	<input type="radio"/> Spherical Guide <input checked="" type="radio"/> Roller Guide	Much longer lifespan.
Guide Rail Accuracy Level	<input type="radio"/> Low <input type="radio"/> Mid <input checked="" type="radio"/> High	
Guide Straightness Process	<input type="radio"/> No Process <input checked="" type="radio"/> Marble Platform	For guide straightness calibration.
Guide Straightness	<input checked="" type="radio"/> <0.05mm <input type="radio"/> ≥0.05mm <input type="radio"/> ≥0.15mm	The smaller the better.
Water Tank Axis Support	<input type="radio"/> Simple Structure <input checked="" type="radio"/> Complex Structure	
Water Tank Structure	<input type="radio"/> Single Layer <input checked="" type="radio"/> Dual Layer	
Water Tank Process 1	<input type="radio"/> N/A <input checked="" type="radio"/> Annealed	
Water Tank Process 2	<input type="radio"/> N/A <input checked="" type="radio"/> Grit Blasted	
Fundamental Point Locating	<input type="radio"/> Painting <input checked="" type="radio"/> Positioning Piece	
Table Support Material	<input type="radio"/> Square Tube <input checked="" type="radio"/> Solid Flat Tube	
Support Bar Adjustable	<input type="radio"/> N/A <input checked="" type="radio"/> Yes	
Outer Cover Material	<input type="radio"/> 201 Stainless Steel <input checked="" type="radio"/> 304 Stainless Steel	
X-beam Dustproof Structure	<input type="radio"/> N/A <input checked="" type="radio"/> Baffle & Brush Fence	
Y-beam Dustproof Structure	<input type="radio"/> N/A <input checked="" type="radio"/> Maze Structure	
Power Cable	<input type="radio"/> Normal <input checked="" type="radio"/> Towline Cable	
Cable Skin Material	<input type="radio"/> Normal <input checked="" type="radio"/> PUR	
Compressed Air Drying	<input type="radio"/> N/A <input checked="" type="radio"/> Automatic	
Wire Casing Process	<input type="radio"/> N/A <input checked="" type="radio"/> Hole Punching	For waterdrainage purpose.



Product Features



Baffle & Brush Fence stop dust entering X-beam



3-Axis Cutting Head easy to operate

RICH TECHNOLOGY

Waterjet Machine Parameter					
Model	RC2015	RC2515	RC3015	RC3020	RC4020
Table Size (mm, Length * Width)	2100*1600	2600*1600	3100*1600	3100*2100	4100*2100
Weight (kgs)	2390	3650	3750	3850	4650
Cutting Stroke	X * Y-axis (mm)	2000*1500	2500*1500	3000*1500	4000*2000
	Z-axis (mm)	100			
Accuracy	Cutting Accuracy	±0.1mm (as per 200mm)			
	Repeatability Accuracy	±0.05mm			
Traverse Speed	6500/15000 mm/min				
Intensifier Unit	Size (L*W*H, mm)	1700*1100*1870			
	Weight (kgs)	1108			
CNC Controller	Size (L*W*H, mm)	760*730*1680			
	Weight (kgs)	104			
Abrasive Feeding System	Size (L*W*H, mm)	800*800*1400			
	Weight (kgs)	100			
Power	220V/380V/440V/415V AC 50/60HZ				
Model	Fashion				
Maximum Pressure	450 MPa				
Normal Working Pressure	320~380 MPa				
Orifice Size (mm)	0.26 / 0.30 / 0.33 / 0.35				
Oil Pump Displacement (cc)	71 / 65				
Oil Cylinder Diameter (mm)	101.6				
Machine Appearance Design	Classic				

ITEM	Machine Layout	Remarks
Cutting Table		
Guide Rail/Screw Lubrication	<input type="radio"/> Drip lubrication <input checked="" type="radio"/> Oil bath lubrication	
Y-Axis Driving Mode	<input type="radio"/> Synchronous Belt <input checked="" type="radio"/> Dual-motor	For longterm & high-accuracy processing.
X-Axis Guide Screw	<input type="radio"/> 25mm <input type="radio"/> 32mm <input checked="" type="radio"/> 40mm	
Y-Axis Guide Screw	<input type="radio"/> 25mm <input type="radio"/> 32mm <input checked="" type="radio"/> 40mm	
Axis Slide Carriage	<input type="radio"/> No Process <input checked="" type="radio"/> Tow-face Milling	
X-beam Material/Processing	<input type="radio"/> Welding <input type="radio"/> Bending <input checked="" type="radio"/> Cast Iron	
Y-beam Material/Processing	<input type="radio"/> Welding <input type="radio"/> Bending <input checked="" type="radio"/> Cast Iron	
Guide Rail Structure	<input type="radio"/> Spherical Guide <input checked="" type="radio"/> Roller Guide	Much longer lifespan.
Guide Rail Accuracy Level	<input type="radio"/> Low <input type="radio"/> Mid <input checked="" type="radio"/> High	
Guide Straightness Process	<input type="radio"/> No Process <input checked="" type="radio"/> Marble Platform	For guide straightness calibration.
Guide Straightness	<input checked="" type="radio"/> <0.05mm <input type="radio"/> ≥0.05mm <input type="radio"/> ≥0.15mm	The smaller the better.
Water Tank Axis Support	<input type="radio"/> Simple Structure <input checked="" type="radio"/> Complex Structure	
Water Tank Structure	<input type="radio"/> Single Layer <input checked="" type="radio"/> Dual Layer	
Water Tank Process 1	<input type="radio"/> N/A <input checked="" type="radio"/> Annealed	
Water Tank Process 2	<input type="radio"/> N/A <input checked="" type="radio"/> Grit Blasted	
Fundamental Point Locating	<input type="radio"/> Painting <input checked="" type="radio"/> Positioning Piece	
Table Support Material	<input type="radio"/> Square Tube <input checked="" type="radio"/> Solid Flat Tube	
Support Bar Adjustable	<input type="radio"/> N/A <input checked="" type="radio"/> Yes	
Outer Cover Material	<input type="radio"/> 201 Stainless Steel <input checked="" type="radio"/> 304 Stainless Steel	
X-beam Dustproof Structure	<input type="radio"/> N/A <input checked="" type="radio"/> Baffle & Brush Fence	
Y-beam Dustproof Structure	<input type="radio"/> N/A <input checked="" type="radio"/> Maze Structure	
Power Cable	<input type="radio"/> Normal <input checked="" type="radio"/> Towline Cable	
Cable Skin Material	<input type="radio"/> Normal <input checked="" type="radio"/> PUR	
Compressed Air Drying	<input type="radio"/> N/A <input checked="" type="radio"/> Automatic	
Wire Casing Process	<input type="radio"/> N/A <input checked="" type="radio"/> Hole Punching	For waterdrainage purpose.

3-AXIS DUAL-HEAD SERIES



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3-AXIS DUAL-HEAD SERIES

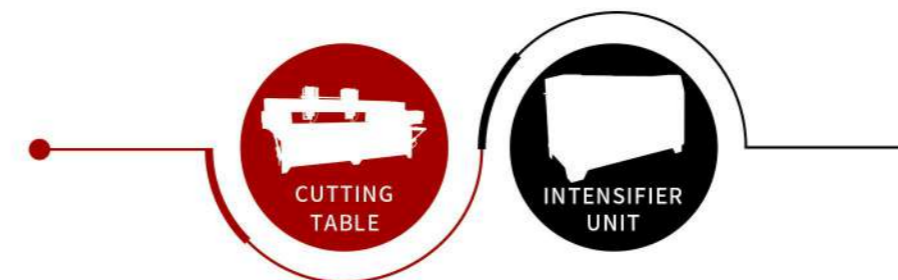
Product Features



Cutting Table List

Size Code	Nominal Cutting Range (NCR) /mm		Structure	
	X-Axis	Y-Axis		
RC1212	1200	1200	cantilever	integrated axis
RC2015	2000	1500	bridge	integrated axis
RC2515	2500	1500	bridge	integrated axis
RC3015	3000	1500	bridge	integrated axis
RC3020	3000	2000	bridge	integrated axis
RC3220	3200	2000	bridge	integrated axis
RC4020	4000	2000	bridge	integrated axis
RC4020S	4000	2000	bridge	split-type axis
RC4025	4000	2500	bridge	integrated axis
RC4025S	4000	2500	bridge	split-type axis
RC6025S	2500	6000	bridge	split-type axis
RC6030S	3000	6000	bridge	split-type axis

XY-Axis Effective Cutting Range Loss (ECRL) (approximate data)			Remarks
Cutting Head	X-Axis /mm	Y-Axis /mm	
3-Axis Single Head	0	0	Effective Cutting Range(ECR) is calculated as below: $ECR(X)=NCR(X)-ECRL(X)$ $ECR(Y)=NCR(Y)-ECRL(Y)$ <i>NCR: Nominal Cutting Range</i>
3-Axis Dual Head	450	0	
AB 5-Axis	200	0	
V-shape 5-Axis	200	0	
AC 5-Axis	400	200	



Intensifier Product Features









Dual Oil Circuit, Dual Oil Pump



Double Intensifier, Double Speed

CUTTING SAMPLE

Cutting material	Glass	Ceramic	Marble	Steel	Aluminum	Porceline Slab
Max cutting thickness	120mm	80mm	100mm	80mm	150mm	30mm
Sample picture						

RICH TECHNOLOGY

600 MPA INTENSIFIER UNIT

Product Features



Built-in Water Soften System double filter system for longer HP parts lifespan



600MPa Ultra HP Intensifier working pressure could reach 460 MPa



Air-con Oil Cooling System strong cooling method protects the oil circuit



Oil Circuit Buffer



Integrated Touchscreen Monitor auto alarming system for maintenance