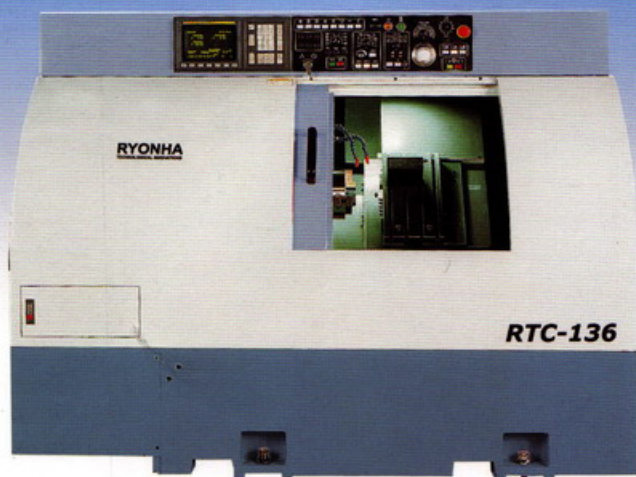




RYONHA MACHINERY J/V CORP.

korea@korea-dpr.com

CNC Turning Center Model RTC 136



Specifications **RTC 136**

Capacity

Max. swing	mm(inch)	330(12.99)
Max. turnig diameter	mm(inch)	136(5.35)
Max. turnig length	mm(inch)	150(5.9)
Bar capacity	mm(inch)	35(1.37)
Chuck size	mm(inch)	170(6)

Travel

X axis	mm (inch)	230 (9)
Z axis	mm (inch)	230(9)

Spindle

Spindle speed	rpm	45-4500
Spindle nose		A2-5

Control

FANUC 0TD

Turret

Number of tool positions(G/T)		6/8
Shank height for square tool	mm (inch)	16(0.63)
Shank diameter for boring bar	mm (inch)	25(1)

Feedrate

X,Z rapid traverse	m(inch)/min	24,24(944,944)
--------------------	-------------	----------------

Motor

Spindle motor	kw(Hp)	7.5(10)
X,Z feed motor	kw(Hp)	1.4,1.4(1.4,1.4)

Miscallaneous

Machine weight	kg	2500
Machine dimensions	mm(inch)	1993x1198x1538(78.46X47.17X60.55)
Power requirement	KVA	15

■Standard Accessories

- .Full guarding
- .3 jaws through hole chuck
- .Coolant system
- .Soft jaws x 1 set
- .Hard jaws x 1 set
- .Hydraulic unit
- .Heat exchanger
- .RS 232 interface

■Option

- .Chain type chip conveyor
- .Collect chuck
- .Parts catcher
- .Bar feeder
- .Bar feeder interface
- .Automatic door
- .Single point spindle orientation
- .Multi point spindle orientation
- .C-axis with power turret
- .Loading/unloding system
- .6000RPM spindle speed
- .Extra storage memory
- .RYONHA 900T CNC

CNC TURNING CENTER

CNC Turning Center Model RTC 210



Specifications **RTC 210**

Capacity

Max. swing	mm(inch)	450(17.7)
Max. turnig diameter	mm(inch)	210(8.3)
Max. turnig length	mm(inch)	420(16.5)
Bar capacity	mm(inch)	51(2)
Chuck size	mm(inch)	170(6)

Travel

X axis	mm (inch)	105+20(4.9)
Z axis	mm (inch)	460(18.1)

Spindle

Spindle speed	rpm	4500
Spindle nose		A2-5

Control

FANUC 0TD

Turret

Number of tool positions		12
Shank height for square tool	mm (inch)	20(0.78)
Shank diameter for boring bar	mm (inch)	32(1.25)

Feedrate

X,Z rapid traverse	m(inch)/min	20,24(787,945)
--------------------	-------------	----------------

Motor

Spindle motor	kw(Hp)	11(11.7)
X,Z feed motor	kw(Hp)	0.6,0.6(0.8,0.8)

Tailstock

Quill diameter	mm(inch)	75(3)
Quill inside taper	MT	4

Miscellaneous

Machine weight	kg	3750
Machine dimensions	mm(inch)	2340x1580x1595(92.13,62.20,62.80)
Power requirement	KVA	25

Standard Accessories

- . Full guarding
- . 3 jaws through hole chuck
- . Coolant system
- . Soft jaws x 1 set
- . Hard jaws x 1 set
- . Hydraulic unit
- . Heat exchanger
- . RS 232 interface

Option

- . Chain type chip conveyor
- . Collect chuck
- . Parts catcher
- . Bar feeder
- . Bar feeder interface
- . Automatic door
- . Single point spindle orientation
- . Multi point spindle orientation
- . C-axis with power turret
- . Loading/unloding system
- . 6000RPM spindle speed
- . Extra storage memory
- . RYONHA 900T CNC

CNC TURNING CENTER

CNC Turning Center Model RTC 350



Specifications **RTC 350**

Capacity

Max. swing	mm(inch)	520(20.4)
Max. turnig diameter	mm(inch)	350(13.8)
Max. turnig length	mm(inch)	600(23.6)
Bar capacity	mm(inch)	51(2)
Chuck size	mm(inch)	210(8)

Travel

X axis	mm (inch)	175+25(7.9)
Z axis	mm (inch)	600(23.6)

Spindle

Spindle speed	rpm	4500
Spindle nose		A2-6

Control

FANUC OTD

Turret

Number of tool positions		12
Shank height for square tool	mm (inch)	25(1)
Shank diameter for boring bar	mm (inch)	40(1.5)

Feedrate

X,Z rapid traverse	m(inch)/min	20,24(787,944)
--------------------	-------------	----------------

Motor

Spindle motor	kw(Hp)	5(20.1)
X,Z feed motor	kw(Hp)	0.6,1.0(0.8,1.3)

Tailstock

Quill diameter	mm(inch)	100(3.9)
Quill inside taper	MT	5

Miscellaneous

Machine weight	kg	5700
Machine dimensions	mm(inch)	2800x1565x1945(110.24X61.61X76.57)
Power requirement	KVA	30

■Standard Accessories

- .Full guarding
- .3 jaws through hole chuck
- .Coolant system
- .Soft jaws x 1 set
- .Hard jaws x 1 set
- .Hydraulic unit
- .Heat exchanger
- .RS 232 interface

■Option

- .Chain type chip conveyor
- .Collect chuck
- .Parts catcher
- .Bar feeder
- .Bar feeder interface
- .Automatic door
- .Single point spindle orientation
- .Multi point spindle orientation
- .C-axis with power turret
- .Loading/unloading system
- .Extra storage memory
- .RYONHA 900T CNC

CNC TURNING CENTER

CNC Turning Center Model RTC 450



Specifications **RTC 450**

Capacity

Max. swing	mm(inch)	670(26.3)
Max. turnig diameter	mm(inch)	450(17.7)
Max. turnig length	mm(inch)	640(25.2)
Bar capacity	mm(inch)	78(3)
Chuck size	mm(inch)	254(10)

Travel

X axis	mm (inch)	250(9.8)
Z axis	mm (inch)	640(25.2)

Spindle

Spindle speed	rpm	3500
Spindle nose		A2-8

Control

FANUC 0TD

Turret

Number of tool positions		12
Shunk height for square tool	mm(inch)	25(1)
Shunk diameter for boring bar	mm(inch)	40(1.5)

Feedrate

X,Z rapid traverse	m(inch)/min	20,24(787,945)
--------------------	-------------	----------------

Motor

Spindle motor	kw(Hp)	18.5(24.7)
X,Z feed motor	kw(Hp)	1.8,1.8(2.4,2.4)

Tailstock

Quill diameter	mm(inch)	100(3.9)
Quill inside taper	MT	5

Miscellaneous

Machine weight	kg	5300
Machine dimensions	mm(inch)	3138x1730x1980(123.54x68.11x77.95)
Power requirement	KVA	40

Standard Accessories

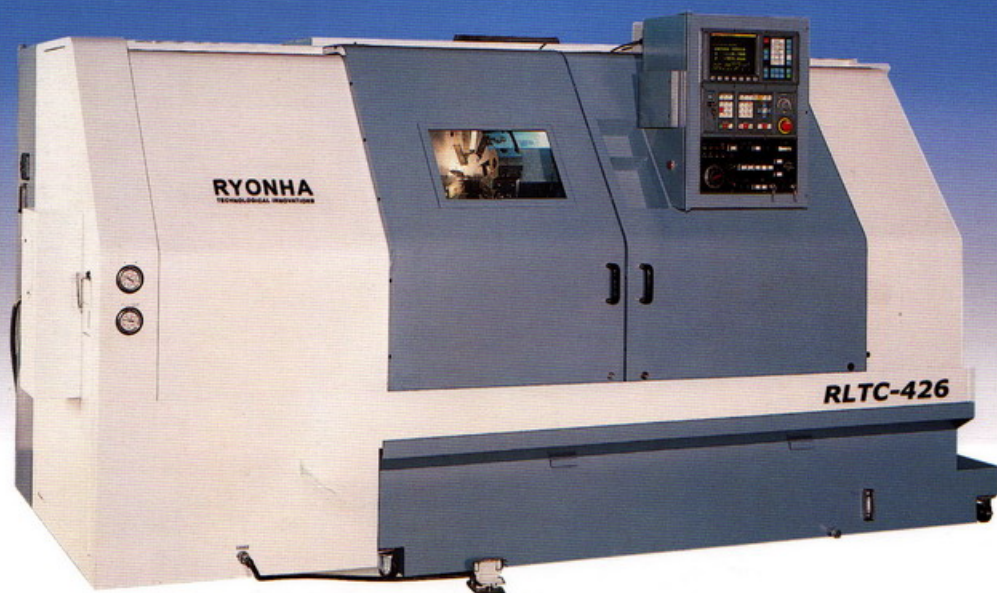
- .Full guarding
- .3 jaws through hole chuck
- .Tailstock
- .Coolant system
- .Soft jaws x 1 set
- .Hard jaws x 1 set
- .Hydraulic unit
- .Heat exchanger
- .Centralize lubrication system
- .RS 232 interface

Option

- .Chain type chip conveyor
- .Collect chuck
- .Parts catcher
- .Steady rest interface
- .Pneumatic door
- .Single point spindle orientation
- .Multi point spindle orientation
- .C-axis with power turret
- .Loading/unloading system
- .Extra storage memory
- .RYONHA 900T CNC

CNC TURNING CENTER

CNC Turning Center Model RLTC 426



Specifications **RLTC 426**

Capacity

Max. swing	mm(inch)	610(24)
Swing over cross slide	mm(inch)	426(16.7)
Max. turnig diameter	mm(inch)	426(16.7)
Max. turnig length	mm(inch)	520(20.5)
Bar capacity	mm(inch)	78(85)
Chuck size	mm(inch)	254(10)

Travel

X axis	mm (inch)	210+20(8.2+0.7)
Z axis	mm (inch)	560(22)

Spindle

Spindle speed	rpm	3200
Spindle nose		A2-8

Control

FANUC 18TC

Turret

Number of tool positions		12
Shank height for square tool	mm(inch)	25(1)
Shank diameter for boring tool	mm(inch)	40(1.5)
Turret indexing time	sec	0.4

Feedrate

X,Z rapid traverse	m(inch)/min	15,15(591,591)
--------------------	-------------	----------------

Tailstock

Quill diameter	mm(inch)	100(4)
Quill inside taper	MT	5

Motor

Spindle motor	kw(Hp)	18.5(24.7)
X,Z feed motor	kw(Hp)	1.8,1.8(2.4,2.4)

Miscellaneous

Machine weight	kg	4800
Machine dimensions	mm (inch)	3783x1851x1955(148.94x72.87x76.97)
Power requirement	KVA	40

Standard Accessories

- .Full guarding
- .3 jaws through hole chuck
- .Tailstock
- .Coolant system
- .Soft jaws x 3 set
- .Hard jaws x 1 set
- .Hydraulic unit
- .Heat exchange
- .Centralize lubrication system
- .Tools for set up
- .RS 232 interface

Option

- .Chain type chip conveyor
- .Collect chuck
- .Parts catcher
- .Bar feeder
- .Bar feeder interface
- .Pneumatic door
- .Steady rest
- .Single point spindle orientation
- .Multi point spindle orientation
- .C-axis with power turret
- .Loading/unloading system
- .Extra storage memory
- .RYONHA 900TC CNC

CNC TURNING CENTER

Vertical Machining Center Model RV 30



Specifications RV 30

Trave

X-axis travel	mm(inch)	760(30)
Y-axis travel	mm(inch)	410(16)
Z-axis travel	mm(inch)	510(20)

Table

Distance from table top to spindle end	mm (inch)	130-540(5.1-21.3)
Distance from column front to spindle center	mm (inch)	438(17)
Working surface(height x width)	mm (inch)	890x400(35x15.7)

Spindle

Spindle nose		#40
Spindle speed	rpm	8000
Spindle bearing inner diameter	mm (inch)	70 (2.76)

Feedrate

Rapid traverse X/Y/Z	m(inch)/min	20/20/15(787/787/591)
Max. cutting	m(inch)/min	5(197)

A.T.C.

Tool storage capacity/arm type ATC(opt.)		20/24
Max.tool diameter	mm(inch)	95(3.7)
Max.tool length	mm(inch)	250(9.8)
ATC time T/T(Drum/Arm)	sec	7.5/2.8
ATC time C/C(Drum/Arm)	sec	13/7

Control

RYONHA 900M

Motor

Spindle motor(30min/cont)	kw(Hp)	7.5(10)
X,Y,Z-axis feed motor	kw(Hp)	0.6/0.6/1(0.8/0.8/1.34)

Miscellaneous

Height of machine	mm(inch)	2430(95.6)
Floor space	mm(inch)	2100x2721(82.6x107)
Machine weight	kg	4500
Power requirement	KVA	25

Standard accessories

- .Full guarding
- .Coolant system
- .8000rpm spindle
- .Rigid tapping
- .Spindle internal air blow system
- .Centralize lubrication system
- .Inside screw type chip conveyor
- .Umbrella type ATC
- .T-slot table
- .Heat exchanger
- .Tools for set up
- .RS 232 interface
- .Air purge system

Option

- .Coolant through spindle preparation
- .High pressure filter system
- .Arm type ATC
- .1000rpm spindle
- .12000rpm spindle
- .Spindle oil cooler system
- .External air blow system
- .Chain type chip conveyor
- .2 speed gear box
- .Automatic tool length measurement
- .Automatic tool breakage detection
- .Extra storage memory
- .4th axis package
- .Advance preview control

VERTICAL MACHINING CENTER

Vertical Machining Center Model RV 40



Specifications RV 40

Trave

X-axis travel	mm(inch)	1020(40.2)
Y-axis travel	mm(inch)	510(20)
Z-axis travel	mm(inch)	610(24)

Table

Distance from table top to spindle end	mm (inch)	160-670(6.3-26.4)
Distance from column front to spindle center	mm (inch)	515(20)
Working surface(height x width)	mm (inch)	1200x510(47.21x19.7)

Spindle

Spindle nose		#40
Spindle speed	rpm	8000
Spindle bearing inner diameter	mm (inch)	70(2.76)

Feedrate

Rapid traverse X/Y/Z	m/min	20/20/15(787/787/591)
Max. cutting	m(in)/min	10(394)

A.T.C.

Tool storage capacity/arm type ATC(opt.)		20/24
Max.tool diameter	mm(in)	95(3.7)
Max.tool length	mm(in)	250(9.8)
ATC time T/T(Drum/Arm)	sec	7.5/2.8
ATC time C/C(Drum/Arm)	sec	13/7

Control

RYONHA 900M

Motor

Spindle motor(30min/cont)	kw(Hp)	9(12)
X,Y,Z-axis feed motor	kw(Hp)	0.6/0.6/1(0.8/0.8/1.34)

Miscellaneous

Height of machine	mm(in)	2585(101)
Floor space	mm(in)	2990x2929(117.7x115)
Machine weight	kg(lb)	5400(11880)
Power requirement	KVA	25

Standard accessories

- .Full guarding
- .Coolant system
- .8000rpm spindle
- .Rigid tapping
- .Spindle internal air blow system
- .Centralize lubrication system
- .Inside screw type chip conveyor
- .Umbrella type ATC
- .T-slot table
- .Heat exchanger
- .Tools for set up
- .RS 232 interface
- .Air purge system

Option

- .Coolant through spindle preparation
- .High pressure filter system
- .Arm type ATC
- .1000rpm spindle
- .12000rpm spindle
- .Spindle oil cooler system
- .External air blow system
- .Chain type chip conveyor
- .2 speed gear box
- .Automatic tool length measurement
- .Automatic tool breakage detection
- .Extra storage memory
- .4th axis package
- .Advance preview control

VERTICAL MACHINING CENTER

Vertical Machining Center Model RV 50



Specifications **RV 50**

Trave

X-axis travel	mm(inch)	1270(50)
Y-axis travel	mm(inch)	510(20)
Z-axis travel	mm(inch)	610(24)

Table

Distance from table top to spindle end	mm (inch)	115-640(4.5-25.2)
Distance from column front to spindle center	mm (inch)	550(21.7)
Working surface(height x width)	mm (inch)	1420x500(56x19.7)

Spindle

Spindle nose		#40
Spindle speed	rpm	8000
Spindle bearing inner diameter	mm (inch)	70(2.76)

Feedrate

rapid traverse X/Y/Z	m(inch)/min	24/24/18(945/945/709)
Max. cutting	m(inch)/min	10(394)

A.T.C.

Tool storage capacity/arm type ATC(opt.)		20/24
Max.tool diameter	mm(inch)	95(3.7)
Max.tool length	mm(inch)	250(9.8)
ATC time T/T(Drum/Arm)	sec	7.5/2.8
ATC time C/C(Drum/Arm)	sec	13/7

Control

RYONHA 900M

Motor

Spindle motor(30min/cont)	kw(Hp)	15(20)
X,Y,Z-axis feed motor	kw(Hp)	1/1/1.5(1.3/1.3/2)

Miscellaneous

Height of machine	mm(inch)	2725(107.3)
Floor space	mm(inch)	3300x2620(130x103)
Machine weight	kg	7000
Power requirement	KVA	30

■ Standard accessories

- .Full guarding
- .Coolant system
- .8000rpm spindle
- .Rigid tapping
- .Spindle internal air blow system
- .Centralize lubrication system
- .Inside screw type chip conveyor
- .Umbrella type ATC
- .T-slot table
- .Heat exchanger
- .Tools for set up
- .RS 232 interface
- .Air purge system

■ Option

- .Coolant through spindle preparation
- .High pressure filter system
- .Arm type ATC
- .1000rpm spindle
- .12000rpm spindle
- .Spindle oil cooler system
- .External air blow system
- .Chain type chip conveyor
- .2 speed gear box
- .Automatic tool length measurement
- .Automatic tool breakage detection
- .Extra storage memory
- .4th axis package
- .Advance preview control

VERTICAL MACHINING CENTER

Electrical Discharge Machine Model RE 60



Specifications RE 60

Work Tank Dimention	mm(inch)	850x500x300(33.46x19.68x11.81)
Table Dimention	mm(inch)	600x360(23.62x14.17)
X Axis Travel	mm(inch)	300(11.81)
Y Axis Travel	mm(inch)	250(9.84)
Z Axis Travel	mm(inch)	300(11.81)
Distance from Quill to Table	mm(inch)	450(17.71)
Nominal Current	Amp	45
Max. Stock Removal Rate	ml/min	400
Best Surface Roughness		Ra0.16
Best Electrode wear Rate		<0.1%
Max. Electrode Loading	Kg	50
Max. Workpiece Loading	Kg	500
Dielectric Tank Capacity	L	300
Machine Wight	Kg	1600
Space Plan	mm(inch)	1600x1700(62.99x66.93)

■Standard accessories

- .Precise electrode chuck
- .Adjustable electrode holder
- .Auto fire extinguisher
- .Workpiece clamping set
- .VDI surface finish scale
- .Operation manual

■Option

- .Auto Electrode Changer
- .Dielectric Cooling system
- .Workpiece Magnetic Chuck

Wire-Cut Electrical discharge Machine

RWC 600



Specifications **RWC 600**

Max. size workpiece(LxWxH)	mm(inch)	600x540x220(23.62x21.26x8.66)
Max. Weight of workpiece	Kg	300
Min. Increment	mm	0.001
Travel of table (X x Y)	mm(inch)	400x350(15.74x13.78)
Z axis travel	mm(inch)	220(8.66)
U and V axis travel	mm(inch)	70x70(2.75x2.75)
Taper angle		± 15°
Wire diameter	mm	0.1-0.3
Wire tension	Kgf	0.2-2.8
Wire feed speed(Max.)	mm(inch)/sec	250(9.84)
Distance from floor table top	mm(inch)	1000(39.37)
Machine tool dimensions	mm(inch)	1500x2340x2060(59.06x92.13x81.10)
Machine weight	Kg	3000

■Standard accessories

- .Automatically Programmed Tools(APT)
- .Taper Cut Unit
- .Deionizer
- .Tool Kit
- .Vertical Alignment Block
- .RS 232C Interface
- .Electric Brush
- .Paper Filter(6pcs/1set)
- .Dielectric Cooling Unit
- .Diamond Guide(0.25mm, 2pcs/1set)
- .User diskette(5pcs)
- .System diskette(5pcs)
- .User's Manual

RYONHA
TECHNOLOGICAL INNOVATIONS



RYONHA MACHINERY J/V CORP.