

GMT

Taiwan Cutting Expert



Goushin Machinery Tools

Taiwan Cutting Expert

Vertical CNC Machining Center

■ Linear Way ■ Box Way ■ Tapping Center

Horizontal CNC Turning Lathes



GMT

Taiwan Cutting Expert



合升精密機械股份有限公司
GOUSHIN MACHINERY TOOLS CO., LTD.

434 台灣臺中市龍井區龍門路 100-2 號
No. 100-2, Longmen Rd., Longjing Dist.,
Taichung City 434 Taiwan R.O.C.

TEL: 886-4-26380633 FAX: 886-4-26380733

E-mail: info@gmt-cnc.com

Website: www.gmt-cnc.com

www.gmt-cnc.com



Vertical CNC Machining Center, Linear Way

MCV 640, 740, 840

MCV model MCV 640, 740, 840, Series vertical machining center adopts the moving structure of cross sliding table and linear guide ways on three axis. Specially customized processing of small scale complicates parts. It is suitable for the parts processing with high precision, such as milling, drilling, tapping and mold finishing. Key facility in industries of general machinery and mold makers.



Model: MCV-640

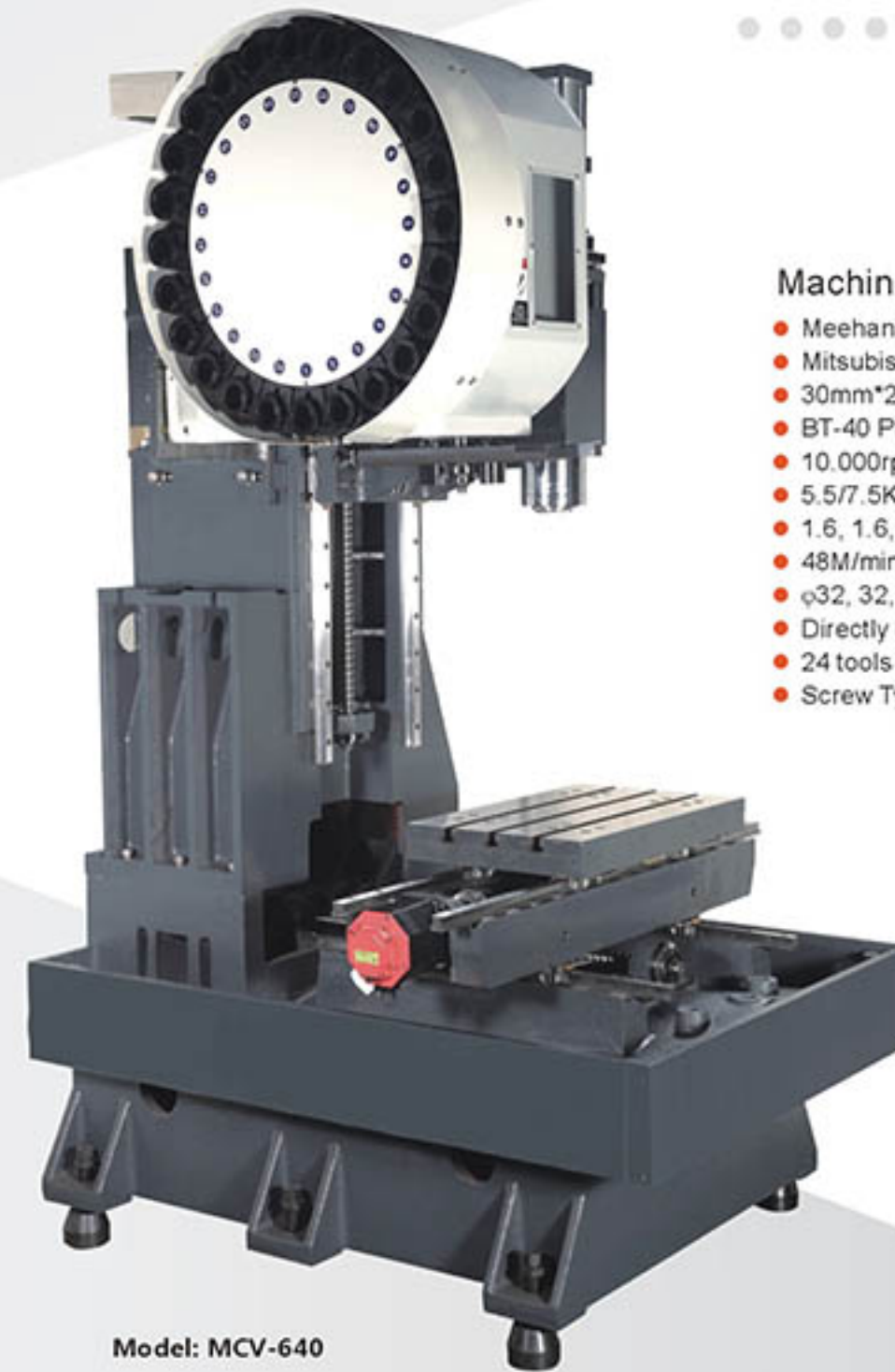
Model: MCV-640
 Table Size-650*400mm
 X Axis Travel-600mm
 Y Axis Travel-410mm
 Z Axis Travel-550mm

Model: MCV-740
 Table Size-800*400mm
 X Axis Travel-700mm
 Y Axis Travel-410mm
 Z Axis Travel-550mm

Model: MCV-840
 Table Size-900*400mm
 X Axis Travel-800mm
 Y Axis Travel-410mm
 Z Axis Travel-550mm



Model: MCV-740



Model: MCV-640

Machine Features

- Meehanite cast iron.
- Mitsubishi M 70A series Controller. 8.4" LCD screen.
- 30mm*2 linear guide ways base on three axes.
- BT-40 Precision spindle taper.
- 10.000rpm belt drive rigid spindle.
- 5.5/7.5KW Spindle Motor
- 1.6, 1.6, 3KW X, Y, Z Axis Servo Motors Rate
- 48M/min rapid travers on X, Y, Z axis.
- φ32, 32, 32 X, Y, Z Axis Ball Screw Diameter
- Directly connected ball screw and AC servo motors.
- 24 tools Arm type ATC.
- Screw Type Chip Conveyor

Optional Accessories

Controller;

Mitsubishi M720
 -10.4LCD Screen

Fanuc OIMF Alpha/ Beta
 -10.4 LCD Screen
 -Fanuc Manuel Guide
 -AICCII + Fast Ethernet + Data Server

Spindle;

- BT 30 20.000rpm, Buildin Motor
- BT 40 12.000rpm, Belt Type
- BT 40 10.000rpm, Direct Drive
- BT 40 12.000rpm, Direct Drive
- BT 40 15.000rpm, Direct Drive

AC for Electrical Cabinet

4th Axis Preparation

Full CE Regulation

ATC 16 tools

Coolant Through Spindle 20, 40, 50 Bar (CTS)

-Paper Filter and Water Tank

Air Through Spindle (ATS)

Inner Water Flushing System with Water Pressure Pump

Spindle Jet Coolant Around Spindle

Oil Skimmer

Link Type Chip Conveyor

Vertical CNC Machining Center, Linear Way

MCV 855, 960, 1060, 1160

MCV model MCV 855, 960, 1060, 1160 Series vertical machining center adopts the moving structure of cross sliding table and linear guide ways on three axis. Specially customized processing of small scale complicates parts. It is suitable for the parts processing with high precision, such as milling, drilling, tapping and mold finishing. Key facility in industries of general machinery and mold makers.



Model: MCV-855

Table Size-900*500mm
X Axis Travel-800mm
Y Axis Travel-550mm
Z Axis Travel-550mm

Model: MCV-960

Table Size-1000*600mm
X Axis Travel-900mm
Y Axis Travel-600mm
Z Axis Travel-600mm

Model: MCV-1060

Table Size-1100*600mm
X Axis Travel-1000mm
Y Axis Travel-600mm
Z Axis Travel-600mm

Model: MCV-1160

Table Size-1200*600mm
X Axis Travel-1100mm
Y Axis Travel-600mm
Z Axis Travel-600mm

Machine Features

- Meehanite cast iron.
- Mitsubishi M 70A series Controller. 8.4" LCD screen.
- 45mm*2 linear guide ways base on three axes.
- BT-40 Precision spindle taper.
- 10.000rpm belt drive rigid spindle.
- 7.5/11KW Spindle Motor
- 2, 2, 3.5 KW X, Y, Z Axis Servo Motors Rate
- 36,36,24M/min rapid travers on X, Y, Z axis.
- φ40,40,40 X, Y, Z Axis Ball Screw Diameter
- Directly connected ball screw and AC servo motors.
- 24 tools Arm type ATC.
- Screw Type Chip Conveyor

Optional Accessories

Controller;

Mitsubishi M720
-10.4LCD Screen

Fanuc OiMF Alpha/ Beta

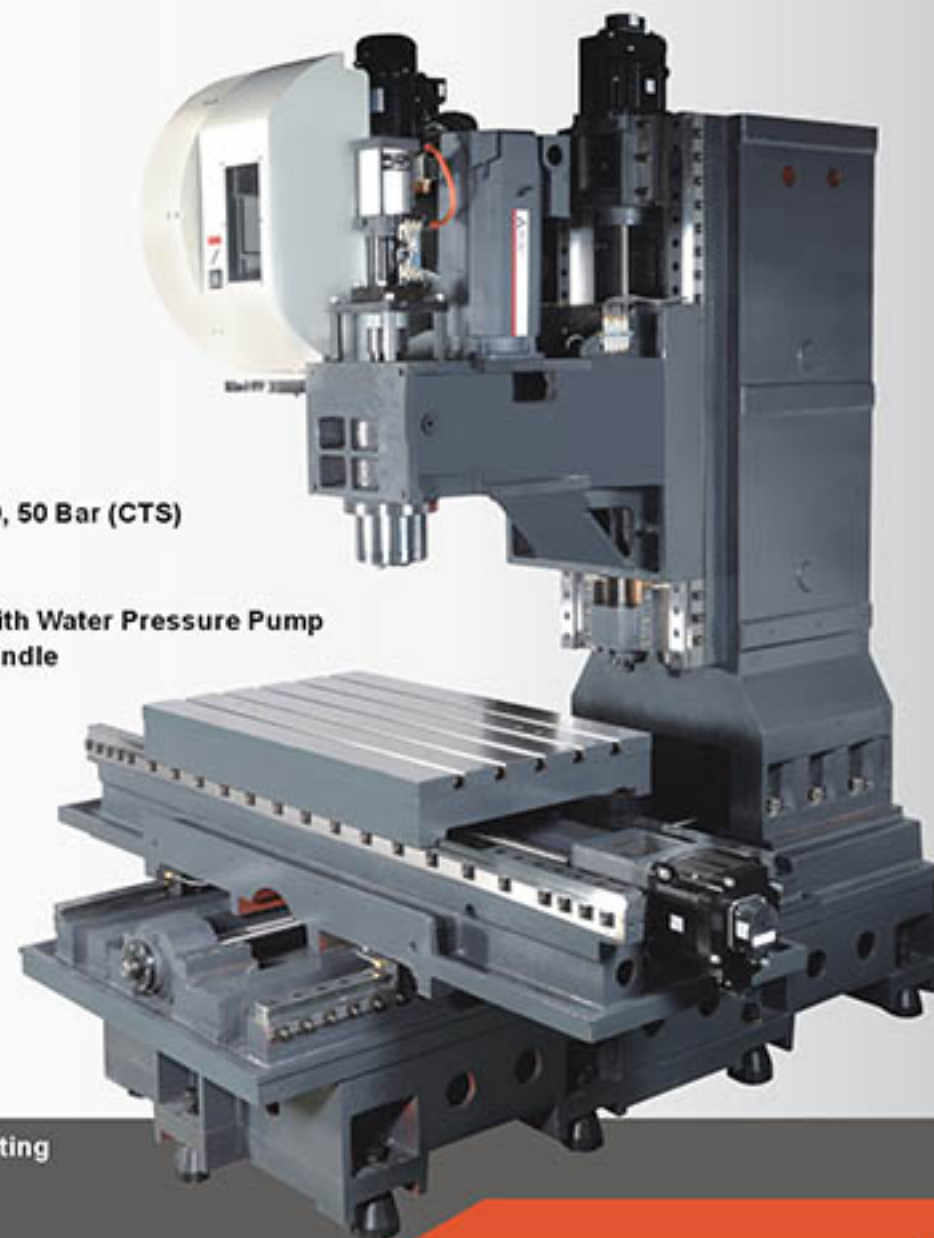
-10.4 LCD Screen
-Fanuc Manuel Guide
-AICCI + Fast Ethernet + Data Server

Spindle;

-BT 40 12.000rpm, Belt Type
-BT 40 10.000rpm, Direct Drive
-BT 40 12.000rpm, Direct Drive
-BT 40 15.000rpm, Direct Drive

AC for Electrical Cabinet

- 4th Axis Preparation
- Full CE Regulation
- ATC 30, 40, 60 tools
- Coolant Through Spindle 20, 40, 50 Bar (CTS)
-Paper Filter and Water Tank
- Air Through Spindle (ATS)
- Inner Water Flushing System with Water Pressure Pump
- Spindle Jet Coolant Around Spindle
- Oil Skimmer
- Link Type Chip Conveyor



Model: MCV-1060, Meehanite Iron Casting

Vertical CNC Machining Center, Linear Way

MCV 1170, 1270, 1370, 1470, 1475

MCV model MCV 1170, 1270, 1370, 1470, 1475, Series vertical machining center; 45 mm four sliding table and linear guide ways on Y axis, providing heavy loading capability.

These models are specially customized processing of middle-large scale components and parts.

It is suitable for the parts processing with high precision, such as milling, drilling, tapping and mold finishing. Key facility in industries of general machinery, car parts, aviation and mold makers.

Model: MCV-1170

Table Size-1300*660mm
X Axis Travel-1100mm
Y Axis Travel-700(750)mm
Z Axis Travel-700mm

Model: MCV-1270

Table Size-1400*660mm
X Axis Travel-1200mm
Y Axis Travel-700(750)mm
Z Axis Travel-700mm

Model: MCV-1370

Table Size-1400*660mm
X Axis Travel-1300mm
Y Axis Travel-700(750)mm
Z Axis Travel-700mm

Model: MCV-1470

Table Size-1600*660mm
X Axis Travel-1400mm
Y Axis Travel-700mm
Z Axis Travel-700mm

Model: MCV-1475

Table Size-1600*660mm
X Axis Travel-1400mm
Y Axis Travel-750mm
Z Axis Travel-700mm



Model: MCV-1270



Model: MCV-1370

Optional Accessories

Controller;

Mitsubishi M720

-10.4LCD Screen

Fanuc OiMF Alpha/ Beta

-10.4 LCD Screen
-Fanuc Manual Guide
-AICCL + Fast Ethernet + Data Server

-Heidenhain ITNC 530

Spindle; (BT/BBT/ISO)

-BT 40, 12,000rpm, Belt Type
-BT 40 10,000rpm, Direct Drive
-BT 40 12,000rpm, Direct Drive
-BT 40 6,000rpm, Gear Head
-BT 50, 10,000rpm, Belt Type
-BT 50, 10,000rpm, Direct Drive
-BT 50, 6,000rpm, Gear Head

AC for Electrical Cabinet

4th Axis Preparation

Full CE Regulation

ATC 30, 40, 60 tools

Coolant Through Spindle 20, 40, 50 Bar (CTS)

-Paper Filter and Water Tank

Air Through Spindle (ATS)

Inner Water Flushing System with Water Pressure Pump

Spindle Jet Coolant Around Spindle

Oil Skimmer

Link Type Chip Conveyor

Linear Guide Way Z Axis

-Piston Supported Z axis

Counter- balance Weight System

Machine Features

- Meehanite cast iron.
- Mitsubishi M 70A series Controller. 8.4" LCD screen.
- 45mm*4 linear guide ways base on Y axis.
- BT-40 Precision spindle taper.
- 10,000rpm belt drive rigid spindle.
- 11/15KW Spindle Motor
- 3.5, 3.5, 4.5 KW X, Y, Z Axis Servo Motors Rate (MCV1370)
- 30,30,20M/min rapid travers on X, Y, Z axis.
- φ40,40 X, Y, Z Axis Ball Screw Diameter
- Directly connected ball screw and AC servo motors.
- 24 tools Arm type ATC.
- Screw Type Chip Conveyor



Model: MCV-1270, Meehanite Iron Casting

Vertical CNC Machining Center, Linear Way

MCV 1680, 1686, 2096

MCV 1680, 1686, 2096 Series vertical machining center structure of 55 mm four sliding table and linear guide ways on Y axis, providing heavy loading capability. These models are specially customized processing of middle-large scale components and parts. It is suitable for the parts processing with high precision, such as milling, drilling, tapping and mold finishing. Key facility in industries of general machinery, car parts, aviation and mold makers.

Model: MCV-1680

Table Size-1800*800mm
X Axis Travel-1600mm
Y Axis Travel-800mm
Z Axis Travel-750mm

Model: MCV-1686

Table Size-1800*830mm
X Axis Travel-1600mm
Y Axis Travel-860mm
Z Axis Travel-700mm

Model: MCV-2096

Table Size-2200*900mm
X Axis Travel-2000mm
Y Axis Travel-960mm
Z Axis Travel-750mm



Model: MCV-1680



Model: MCV-1680, Meehanite Iron Casting

Machine Features

- Meehanite cast iron.
- Mitsubishi M 70A series Controller. 8.4" LCD screen.
- 55mm*4 linear guide ways on Y-axis.
- Heavy-duty box way column on Z-axis.
- BT-50 Precision spindle taper.
- 6,000rpm, Two Step Gear Head.
- 15/18.5KW Spindle Motor
- Up to 7, 7, 4.5 KW X, Y, Z Axis Servo Motors Rate (model 2096)
- 24,24,15M/min rapid travers on X, Y, Z axis.
- Up to φ63, 63, 50 X, Y, Z Axis Ball Screw Diameter (model 2096)
- Directly connected ball screw and AC servomotors.
- 24 tools Arm type ATC.
- Screw Type Chip Conveyor

Optional Accessories

Controller;

Mitsubishi M720/730
-10.4LCD Screen

Fanuc OiMF / 31i/ 32i
-10.4 LCD Screen
-Fanuc Manuel Guide
-AICCI + Fast Ethernet + Data Server

-Heidenhain ITNC 530/630

Spindle; (BT/BBT/ISO)

- BT 40, 10,000rpm, Belt Type
- BT 40, 12,000rpm, Belt Type
- BT 40 10,000rpm, Direct Drive
- BT 40 12,000rpm, Direct Drive
- BT 50, 10,000rpm, Belt Type
- BT 50, 10,000rpm, Direct Drive
- BT 50, 6,000rpm, Gear Head

Renishaw Touch&Tool Probe

Heidenhain 3 axis Linear Scale

Spindle Head Options

AC for Electrical Cabinet

4th Axis Preparation

Full CE Regulation

ATC 30, 40, 60 tools

Coolant Through Spindle 20, 40, 50 Bar (CTS)

-Paper Filter and Water Tank

Air Through Spindle (ATS)

Inner Water Flushing System with

Water Pressure Pump

Spindle Jet Coolant Around Spindle

Oil Skimmer

Link Type Chip Conveyor

Linear Guide Way Z Axis

-Piston Supported Z axis

Counter- balance Weight System

Vertical CNC Machining Center, Box Way

Box Way Series MCV 1170, 1270, 1370, 1470, 1475

Box Way Series MCV 1170, 1270, 1370, 1470, 1475 vertical machining center designed for extra value and optimum performance for extra heavy-duty machining.

Adopts the moving structure of box ways on three axis. Four sliding structure on Y axis provides heavy loading capability. It is suitable for the part processing with high precision, specially customized medium-large scale heavy-duty parts.

Model: Box Way, MCV-1170

Table Size-1300*660mm
X Axis Travel-1100mm
Y Axis Travel-700(750)mm
Z Axis Travel-700mm

Model: Box Way, MCV-1270

Table Size-1400*660mm
X Axis Travel-1200mm
Y Axis Travel-700(750)mm
Z Axis Travel-700mm

Model: Box Way, MCV-1370

Table Size-1400*660mm
X Axis Travel-1300mm
Y Axis Travel-700(750)mm
Z Axis Travel-700mm

Model: Box Way, MCV-1470

Table Size-1600*660mm
X Axis Travel-1400mm
Y Axis Travel-700mm
Z Axis Travel-700mm

Model: Box Way, MCV-1475

Table Size-1600*660mm
X Axis Travel-1400mm
Y Axis Travel-750mm
Z Axis Travel-700mm



Model: Box Way, MCV-1170



Model: Box Way, MCV-1270

Machine Features

- Meehanite cast iron.
- Mitsubishi M 70A series Controller. 8.4" LCD screen.
- 4 heavy-duty box ways on Y-axis.
- BT-40 Precision spindle taper.
- 8.000rpm belt drive rigid spindle.
- 11/15KW Spindle Motor
- Up to 3.5, 3.5, 4.5 KW X, Y, Z Axis Servo Motors Rate (model 1475)
- 24,24,18M/min rapid travers on X, Y, Z axis.
- Up to φ50,50,40 X, Y, Z Axis Ball Screw Diameter (model 1475)
- Directly connected ball screw and AC servo motors.
- 24 tools Arm type ATC.
- Screw Type Chip Conveyor

Optional Accessories

Controller;

Mitsubishi M720

-10.4LCD Screen

Fanuc OiMF Alpha/ Beta

-10.4 LCD Screen
-Fanuc Manuel Guide
-AICCII + Fast Ethernet + Data S

-Heidenhain ITNC 530

Spindle; (BT/BBT/ISO)

-BT 40, 10.000rpm, Belt Type
-BT 40, 12.000rpm, Belt Type

-BT 40 10.000rpm, Direct Drive
-BT 40 12.000rpm, Direct Drive
-BT 40, 6000ram, GearHead
-BT 50, 10.000rpm, Belt Type
-BT 50, 10.000rpm, Direct Drive
-BT 50, 6.000rpm, Gear Head



Model: Box Way, MCV-1270, Meehanite Iron Casting

AC for Electrical Cabinet

4th Axis Preparation

Full CE Regulation

ATC 30, 40, 60 tools

Coolant Through Spindle 20, 40, 50 Bar (CTS)

-Paper Filter and Water Tank

Air Through Spindle (ATS)

Inner Water Flushing System with Water Pressure Pump

Spindle Jet Coolant Around Spindle

Oil Skimmer

Link Type Chip Conveyor

Counter- balance Weight System

Vertical CNC Machining Center, Box Way

Box Way Series MCV 1690, 1698, 1898, 20100

Box Way Series MCV 1690, 1698, 1898, 20100 vertical machining center designed, extra value and optimum performance for extra heavy-duty machining. Up to 6 sliding structure on Y axis provides extra heavy loading capability. It is suitable for processing extra large scale heavy-duty parts and components.



Model: Box Way, MCV-1898

Model: Box Way, MCV-1690

Table Size-1700*815mm
X Axis Travel-1600mm
Y Axis Travel-900mm
Z Axis Travel-700mm

Model: Box Way, MCV-1698

Table Size-1800*830mm
X Axis Travel-1600mm
Y Axis Travel-980mm
Z Axis Travel-750 (900)mm

Model: Box Way, MCV-1898

Table Size-2000*900mm
X Axis Travel-1800mm
Y Axis Travel-980mm
Z Axis Travel-750 (900)mm

Model: Box Way, MCV-20100

Table Size-2200*900mm
X Axis Travel-2000mm
Y Axis Travel-1000mm
Z Axis Travel-750 (900)mm

Machine Features

- Meehanite cast iron.
- Mitsubishi M 70A series Controller. 8.4" LCD screen.
- 6 heavy-duty box ways on Y-axis.
- BT-50 Precision 6.000rpm, with Gear Head spindle taper.
- 15/18.5KW Spindle Motor.
- Up to 7, 7, 4.5 KW X, Y, Z Axis Servo Motors Rate (model 20100)
- 24,24,18M/min rapid travers on X, Y, Z axis.
- Up to φ63,63,50 X, Y, Z Axis Ball Screw Diameter (model 20100)
- Directly connected ball screw and AC servo motors.
- 24 tools Arm type ATC.
- Screw Type Chip Conveyor

Model: Box Way, MCV-1690, Meehanite Iron Casting



Model: Box Way, MCV-1698

Optional Accessories Controller;

Mitsubishi M720/730
-10.4LCD Screen

Fanuc OiMF / 31i/ 32i
-10.4 LCD Screen
-Fanuc Manuel Guide
-AICCI + Fast Ethernet + Data Server

-Heidenhain ITNC 530/630

Spindle; (BT/BBT/ISO)
-BT 50, 10.000rpm, Belt Type
-BT 50, 10.000rpm, Belt Type
-BT 50, 10.000rpm, Direct Drive
-BT 50, 6.000rpm, Gear Head

4th Axis Preparation
Full CE Regulation
ATC 30, 40, 60 tools
Coolant Through Spindle 20, 40, 50 Bar (CTS)
-Paper Filter and Water Tank
Air Through Spindle (ATS)
Inner Water Flushing System with Water Pressure Pump
Spindle Jet Coolant Around Spindle
Oil Skimmer
Link Type Chip Conveyor

Renishaw Touch&Tool Probe

Heidenhain 3 axis Linear Scale

Spindle Head Options

AC for Electrical Cabinet

Counter- balance Weight System

Vertical CNC Machining Center, Box Way

Box Way Series MCV 22110, 25110, 28110, 31110

Box Way Series Box Way Series MCV 22110, 25110, 28110, 31110 vertical machining center designed, extra value and optimum performance for extra heavy-duty machining. 8 sliding structure on Y axis provides extra heavy loading capability. It is suitable for processing extra large scale heavy-duty parts and components.



Model: Box Way, MCV-31110

Model: Box Way, MCV-22110

Table Size-2400*1000mm
X Axis Travel-2200mm
Y Axis Travel-1100mm
Z Axis Travel-900mm

Model: Box Way, MCV-25110

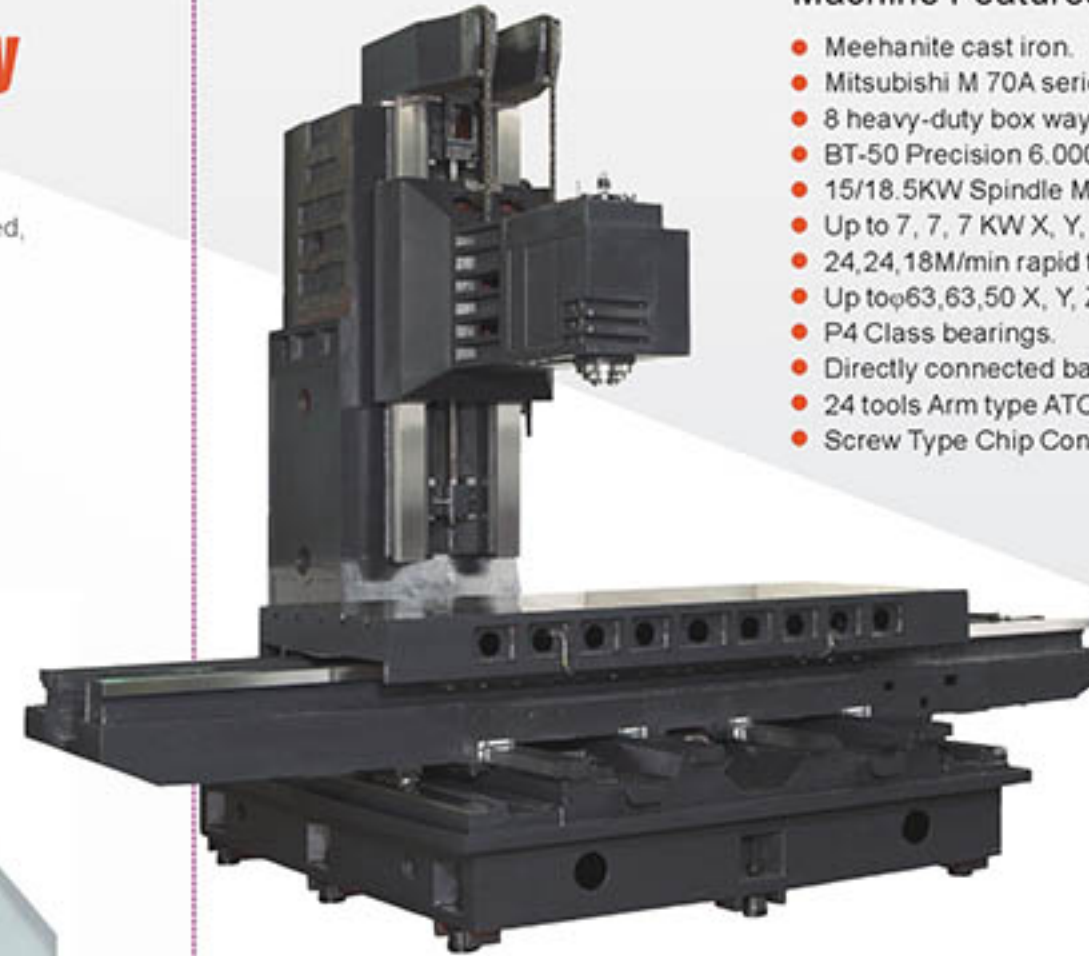
Table Size-2700*1000mm
X Axis Travel-2500mm
Y Axis Travel-1100mm
Z Axis Travel-900mm

Model: Box Way, MCV- 28110

Table Size-3000*1000mm
X Axis Travel-2800mm
Y Axis Travel-1100mm
Z Axis Travel-900mm

Model: Box Way, MCV-31110

Table Size-3200*1000mm
X Axis Travel-3100mm
Y Axis Travel-1100mm
Z Axis Travel-910mm



Model: Box Way, MCV-22110, Meehanite Iron Casting

Spindle; (BT/BBT/ISO)
-BT 40 10.000rpm, Direct Drive
-BT 40 12.000rpm Direct Drive
-BT 40 15.000rpm Direct Drive
-BT 50, 10.000rpm Belt Type
-BT 50, 10.000rpm Direct Drive

Renishaw Touch&Tool Probe

Heidenhain 3 axis Linear Scale

Spindle Head Options

AC for Electrical Cabinet

4th Axis Preparation
Full CE Regulation
ATC 30, 40, 60 tools
Coolant Through Spindle 20, 40, 50 Bar (CTS)
-Paper Filter and Water Tank
Air Through Spindle (ATS)
Inner Water Flushing System with Water Pressure Pump
Spindle Jet Coolant Around Spindle
Oil Skimmer
Link Type Chip Conveyor

Counter- balance Weight System

Machine Features

- Meehanite cast iron.
- Mitsubishi M 70A series Controller. 8.4" LCD screen.
- 8 heavy-duty box ways on Y-axis.
- BT-50 Precision 6.000rpm, with Gear Head spindle taper.
- 15/18.5KW Spindle Motor
- Up to 7, 7, 7 KW X, Y, Z Axis Servo Motors Rate (model 31110)
- 24,24,18M/min rapid travers on X, Y, Z axis.
- Up to φ63,63,50 X, Y, Z Axis Ball Screw Diameter (model 31110)
- P4 Class bearings.
- Directly connected ball screw and AC servo motors.
- 24 tools Arm type ATC.
- Screw Type Chip Conveyor

Optional Accessories

Controller;

Mitsubishi M720/730/ 800
-10.4LCD Screen

Fanuc OiMF / 31i/ 32i
-10.4 LCD Screen
-Fanuc Manuel Guide
-AICCII + Fast Ethernet + Data Server

-Heidenhain ITNC 530/630



Model: Box Way, MCV-22110



CNC Turning Center

Standard Accessories:

- Mitsubishi M70 A
- Hydraulic turret
- Hydraulic System
- Auto Lubrication System
- Transformer
- Link Type Chip Conveyor
- Fully Enclosed Splash Guard
- Foot Switch for Spindle
- Head Exchange for Control System
- Leveling Pads and Blocks for Base
- Work Lamp
- Lubrication Monitoring System
- Water tank & Pump
- Soft jaw 1 set
- Hard jaw 1 set
- Tool box 1 set
- 1 Year Mechanical Warranty
- 2 years Controller Warranty

Optional Accessories:

- Fanuc OIMF Controller
- Bar Feeder
- Collect Chuck
- High Pressure Coolant Through Turret
- Manual Tool Presetter
- Parts Cather



Model: Box Way, Meehanite Iron Casting



Model: TC-25

CNC TURNING CENTER

Technical Specifications	Unit	TC-20	TC-25	TC-30	TC-35
Capacities					
Max Swig Over Bed	mm	450	470	600	650
Max Cover Cross Slide	mm	280	360	400	450
Max Cutting Diameter	mm	240	240	400	450
Max Cutting Length	mm	330	462	600(1000opt)	600(1000opt)
Chuck Size for Main Spindle	inch	6"	8"	8"/10"OPT	10"/12"OPT
Bore Diameter	mm	45	52	65	78
Main Spindle					
Max Speed	rpm	6000	5000	4500	3500
Spindle Motor	kw	7.5/11KW	11/15KW	15/18.5KW	22/26KW
Spindle Nose		A2-5	A2-6	A2-6	A2-8
Axis Travel					
X Axis Travel	mm	150+10	195+15	220+20	235+20
Z Axis Travel	mm	350	435	610/1010	630/1025
C Axis Min. Increment	deg.	±0.001	±0.001	±0.001	±0.001
Rapid Feeds Rade X/Z	m/min	36	36	36	36
Cutting Feeds Rade X/Z	m/min	10	10	10	10
Turret					
Tools Capacity		10	12	12	12
OD Tool Size	mm	20	20	25	25
Boring Bar Shank	mm	25	32	40	40
Tool Changing Time	sec.	0,5	0,35	0,35	0,35
Tailstock					
Quill Travel	mm	80	80/100OPT	100	100
Tailstock Travel	mm	210	350	610/1010	630/1025
Quill Taper	mm	MT3	MT4	MT4	MT4
Accuracy					
Positioning	mm	±0.004	±0.004	±0.004	±0.004
Repeatability	mm	±0.002	±0.002	±0.002	±0.002
C Axis Indexing Accuracy	arc.sec.	10	10	10	10
General Spec					
Tank Capacity	lt	120	160	250	250
Chip Disposal		Link Type Chip Conveyor			
Power Requirement	kva	22	25	28	30
Floor Space	mm2	2140*1300	2400*1500	3300*1750	3650*1750
Net Weight	kg	2600	4000	5200	5600

Vertical CNC Machining Center, Linear Way

Technical Specifications	Unit	MCV-640	MCV-740	MCV-840	MCV-855	MCV-960	MCV-1060	MCV-1160
Table								
Table Size	mm	650*400	800*400	900*400	900*500	1000*600	1100*600	1200*600
Table T-slot	mm	18*5*80	18*5*80	18*5*80	18*5*100	18*5*100	18*5*100	18*5*125
Loading Weight	kg	350	400	550	700	800	1000	1100
Travel								
X Axis Travel	mm	600	700	800	800	900	1000	1100
Y Axis Travel	mm	410	410	410	550	600	600	600
Z Axis Travel	mm	550	550	550	550	600	600	600
Spindle								
Spindle Nose End to Table	mm	150-650	150-650	150-650	150-750	150-750	150-750	150-750
Spindle Center to Column	mm	575	575	575	600	625	625	625
Spindle Motor	kw	5.5/7.5KW	5.5/7.5KW	5.5/7.5KW	7.5/11KW	7.5/11KW	7.5/11KW	7.5/11KW
Spindle Diameter	mm	φ60	φ60	φ60	φ70	φ70	φ70	φ70
Spindle Speed	rpm	10000	10000	10000	10000	10000	10000	10000
Spindle Taper		BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40
Spindle Driver		Belt	Belt	Belt	Belt Type	Belt Type	Belt Type	Belt Type
X, Y, Z Axis Servo Motors								
X, Y, Z Motor Rate (Mitsubishi)	kw	1.6, 1.6, 3	1.6, 1.6, 3	1.6, 1.6, 3	2,2,3.5	2,2,3.5	2,2,3.5	3,3,3.5
Guide Way								
X Axis Rail Type	mm	30mm*2 Linear way	30mm*2 Linear way	30mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way
Y Axis Rail Type	mm	30mm*2 Linear way	30mm*2 Linear way	30mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way
Z Axis Rail Type	mm	30mm*2 Linear way	30mm*2 Linear way	30mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way
Feeding Speed								
Rapid Travers (X, Y, Z)	m/min	48,48,48	36,36,30	36,36,30	36,36,24	36,36,24	36,36,24	36,36,24
Cutting Feed Rate(X, Y, Z)	m/min	12	12	12	12	12	12	12
Ball Screw Diameter								
Axis Diameter X, Y, Z	mm	φ32,32,32	φ32,32,32	φ32,32,32	φ40,40,40	φ40,40,40	φ40,40,40	φ40,40,40
ATC								
Tool Change	type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type
Tool Storage Capacity		24	24	24	24	24	24	24
Max. Tool Length	mm	300	300	300	300	300	300	300
Max. Tool Diameter	mm	φ80	φ80	φ80	φ80	φ80	φ80	φ80
Max. Tool Weight	kg	7	7	7	8	8	8	8
Tool Changing Time	sec.	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Accuracy								
Full Travel Positional Accuracy	mm	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Repeated Precision Accuracy	mm	0.002	0.002	0.002	0.002	0.002	0.002	0.002
General Spec								
Machine Net Weight	Ton	3.7	3.9	4.1	5.2	5.8	6.1	6.4

Vertical CNC Machining Center, Linear Way

Technical Specifications	Unit	MCV-1170	MCV-1270	MCV-1370	MCV-1470	MCV-1475	MCV-1680	MCV-1686	MCV-2098
Table									
Table Size	mm	1300*660	1400*660	1400*660	1600*660	1600*660	1800*800	1800*830	2200*900
Table T-slot	mm	18*5*120	18*5*125	18*5*125	18*5*125	18*5*125	18*5*150	18*5*150	18*5*150
Loading Weight	kg	1100	1200	1300	1600	1600	2,100	2,100	3,000
Travel									
X Axis Travel	mm	1100	1200	1300	1400	1400	1,600	1,600	2,000
Y Axis Travel	mm	700 (750)	700 (750)	700 (750)	700	750	800	860	960
Z Axis Travel	mm	700	700	700	700	700	750	700	750
Spindle									
Spindle Nose End to Table	mm	150-850	150-850	150-850	150-850	150-850	150-900	200-900	200-950
Spindle Center to Column	mm	730	730	730	730	780	855	910	1030
Spindle Motor	kw	11/15KW	11/15KW	11/15(15/18.5)	11/15(15/18.5)	11/15(15/18.5)	15/18.5KW	15/18.5KW	15/18.5KW
Spindle Diameter	mm	φ70	φ70	φ70	φ70	φ70	φ100	φ100	φ100
Spindle Speed	rpm	10000	10000	10000	10000	10000	6,000	6,000	6,000
Spindle Taper		BT-40	BT-40	BT-40	BT-40	BT-40	BT-50	BT-50	BT-50
Spindle Driver		Belt Type	Belt Type	Belt Type	Belt Type	Belt Type	Belt Type	Gear Head	Gear Head
X, Y, Z Axis Servo Motors									
X, Y, Z Motor Rate (Mitsubishi)	kw	3, 3, 3.5	3, 3, 3.5	3.5, 3.5, 4.5	3.5, 3.5, 4.5	3.5, 3.5, 4.5	4.5, 4.5, 4.5	4.5, 4.5, 4.5	7, 7, 4.5
Guide Way									
X Axis Rail Type	mm	45mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way	45mm*2 Linear way	55mm*2 Linear way	55mm*2 Linear way	55mm*2 Linear way
Y Axis Rail Type	mm	45mm*4 Linear way	45mm*4 Linear way	45mm*4 Linear way	45mm*4 Linear way	45mm*4 Linear way	55mm*4 Linear way	55mm*4 Linear way	55mm*4 Linear way
Z Axis Rail Type	mm	Box Way	Box Way	Box Way	Box Way	Box Way	Box Way	Box Way	Box Way
Feeding Speed									
Rapid Travers (X, Y, Z)	m/min	30, 30, 20	30, 30, 20	30, 30, 20	30, 30, 20	30, 30, 20	24, 24, 18	24, 24, 15	24, 24, 15
Cutting Feed Rate(X, Y, Z)	m/min	12	12	12	12	12	10	10	10
Ball Screw Diameter									
Axis Diameter X, Y, Z	mm	φ40,40,40	φ40,40,40	φ40,40,40	φ50,50,40	φ50,50,40	50, 50, 50	50, 50, 50	63, 63, 50
ATC									
Tool Change	type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type
Tool Storage Capacity		24	24	24	24	24			
Max. Tool Length	mm	300	300	300	300	300	350	350	350
Max. Tool Diameter	mm	φ80	φ80	φ80	φ80	φ80	φ125	φ125	φ125
Max. Tool Weight	kg	8	8	8	8	8	15	15	15
Tool Changing Time	sec.	1.8	1.8	1.8	1.8	1.8	3	3	3
Accuracy									
Full Travel Positional Accuracy	mm	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Repeated Precision Accuracy	mm	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
General Spec									
Machine Net Weight	Ton	7.3	8.7	9.2	9.7	10.5	12	14	17

Vertical CNC Machining Center, Box Way

Technical Specifications	Unit	MCV-960	MCV-1060	MCV-1170	MCV-1270	MCV-1370	MCV-1470	MCV-1475	MCV-1690	MCV-1698	MCV-1898	MCV-20100
Table												
Table Size	mm	1000*600	1100*600	1300*660	1400*660	1400*660	1550*660	1550*660	1700*815	1800*830	2000*900	2200*900
Table T-slot	mm	18*5*100	18*5*100	18*5*125	18*5*125	18*5*125	18*5*125	18*5*125	18*5*150	18*5*150	18*6*150	18*6*150
Loading Weight	kg	800	1000	1100	1200	1300	1600	1600	2,100	2,200	2,500	3,000
Travel												
X Axis Travel	mm	900	1000	1100	1200	1300	1400	1400	1,600	1,600	1,800	2,000
Y Axis Travel	mm	600	600	700	700	700	700	750	900	980	980	1,000
Z Axis Travel	mm	625	625	700	700	700	700	700	700	750/(900)	750/(900)	750/(900)
Spindle												
Spindle Nose End to Table	mm	150-750	150-750	150-850	150-850	150-850	150-850	150-850	200-900	200-950	200-950	200-950
Spindle Center to Column	mm	625	625	730	730	730	730	780	910	1,030	1,030	1,030
Spindle Motor	kw	7.5/11KW	7.5/11KW	11/15KW	11/15KW	11/15KW	11/15KW	11/15KW	15/18.5KW	15/18.5KW	15/18.5KW	15/18.5KW
Spindle Diameter	mm	φ70	φ70	φ70	φ70	φ70	φ70	φ70	φ100	φ100	φ100	φ100
Spindle Speed	rpm	8000	8000	8000	8000	8000	8000	8000	6,000	6,000	6,000	6,000
Spindle Taper		BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-40	BT-50	BT-50	BT-50	BT-50
Spindle Driver		Belt Type	Belt Type	Belt Type	Belt Type	Belt Type	Belt Type	Belt Type	Gear Head	Gear Head	Gear Head	Gear Head
X, Y, Z Axis Servo Motors												
X, Y, Z Motor Rate (Mitsubishi)	kw	2,2,3.5	2,2,3.5	3, 3, 3.5	3, 3, 3.5	3.5, 3.5, 4.5	3.5, 3.5, 4.5	3.5, 3.5, 4.5	4.5, 4.5, 4.5	4.5, 4.5, 4.5	7, 7, 4.5	7, 7, 4.5
Guide Way												
X Axis Rail Type	mm	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way
Y Axis Rail Type	mm	4*Box Way	4*Box Way	4*Box Way	4*Box Way	4*Box Way	4*Box Way	4*Box Way	4*Box Way	4*Box Way	4*Box Way	4*Box Way
Z Axis Rail Type	mm	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way	2*Box Way
Feeding Speed												
Rapid Travers (X, Y, Z)	m/min	24,24,18	24,24,18	24, 24, 18	24, 24, 18	24, 24, 18	20, 20, 15	20, 20, 15	15, 15, 12	15, 15, 12	15, 15, 12	15, 15, 12
Cutting Feed Rate(X, Y, Z)	m/min	10	10	12	12	12	12	12	10	10	10	10
Ball Screw Diameter												
Axis Diameter X, Y, Z	mm	φ40,40,40	φ40,40,40	φ40,40,40	φ40,40,40	φ40,40,40	φ50,50,40	φ50,50,40	φ50, 50, 50	φ50, 50, 50	φ63, 63, 50	φ63, 63, 50
ATC												
Tool Change	type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type
Tool Storage Capacity		24	24	24	24	24	24	24	24	24	24	24
Max. Tool Length	mm	300	300	300	300	300	300	300	350	350	350	350
Max. Tool Diameter	mm	φ80	φ80	φ80	φ80	φ80	φ80	φ80	φ125	φ125	φ125	φ125
Max. Tool Weight	kg	8	8	8	8	8	8	8	18	18	18	18
Tool Changing Time	sec.	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.5	2.5	2.5
Accuracy												
Full Travel Positional Accuracy	mm	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Repeated Precision Accuracy	mm	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
General Spec												
Machine Net Weight	Ton	5.8	6.1	7.3	8.7	9.2	9.7	10.5	14.2	15.5	16	19

Vertical CNC Machining Center, Box Way

Technical Specifications	Unit	MCV-22110	MCV-25110	MCV-28110	MCV-31110
Table					
Table Size	mm	2400*1000	2700*1000	3000*1000	3200*1000
Table T-slot	mm	22*5*150	22*5*150	22*5*150	22*5*150
Loading Weight	kg	4000	5000	5800	6,600
Travel					
X Axis Travel		2,200	2,500	2,800	3100
Y Axis Travel		1,100	1,100	1,100	1,100
Z Axis Travel	mm	900	900	900	910
Spindle					
Spindle Nose End to Table	mm	200-1,100	200-1,100	200-1,100	200-1,100
Spindle Center to Column	mm	1,160	1,160	1,160	1,160
Spindle Motor	kw	15/18.5KW	15/18.5KW	15/18.5KW	15/18.5KW
Spindle Diameter	mm	φ100	φ100	φ100	φ100
Spindle Speed	rpm	6,000	6,000	6,000	6,000
Spindle Taper		BT-50	BT-50	BT-50	BT-50
Spindle Driver		Gear Head	Gear Head	Gear Head	Gear Head
X, Y, Z Axis Servo Motors					
X, Y, Z Motor Rate (Mitsubishi)	kw	7, 7, 7	7, 7, 7	7, 7, 7	7, 7, 7
Guide Way					
X Axis Rail Type	mm	2*Box Way	2*Box Way	2*Box Way	2*Box Way
Y Axis Rail Type	mm	6*Box Way	8*Box Way	8*Box Way	8*Box Way
Z Axis Rail Type	mm	2*Box Way	2*Box Way	2*Box Way	2*Box Way
Feeding Speed					
Rapid Travers (X, Y, Z)	m/min	15, 15, 12	15, 15, 12	15, 15, 12	15, 15, 12
Cutting Feed Rate(X, Y, Z)	m/min	10	10	10	10
Ball Screw Diameter					
Axis Diameter X, Y, Z	mm	φ63, 63, 50	φ63, 63, 50	φ63, 63, 50	φ63, 63, 50
ATC					
Tool Change	type	Arm Type	Arm Type	Arm Type	Arm Type
Tool Storage Capacity		24	24	24	24
Max. Tool Length	mm	350	350	350	350
Max. Tool Diameter	mm	φ125	φ125	φ125	φ125
Max. Tool Weight	kg	18	18	18	18
Tool Changing Time	sec.	2.8	2.8	2.8	2.8
Accuracy					
Full Travel Positional Accuracy	mm	0.005	0.005	0.005	0.005
Repeated Precision Accuracy	mm	0.002	0.002	0.002	0.002
General Spec					
Machine Net Weight	Ton	21	23	25	27

ROTARY TABLE



Model: GUH-255N



Model: GUH-320N

MODEL	Unit	GUA-170	GUA-210	GUA-250	GUH-255	GUH-320
Table diameter	mm	φ 170	φ 210	φ 250	φ 255	φ 320
Center hole diameter	mm	φ 40H7	φ 40H7	φ 40H7	φ 80H7	φ 120H7
Through-hole diameter	mm	φ 40	φ 40	φ 40	Large hole φ 80	Large hole φ 120
Height of center(vertical)	mm	135	160	160	160	210
Height of table(horizontal)	mm	153	153	153	200	235
T-slot width of table	mm	12H7	12H7	12H7	12H7	14H7
Width of guide block	mm	18h7	18h7	18h7	18h7	18h7
Min. increment	deg	0.001	0.001	0.001	0.001	0.001
Indexing accuracy	arc.sec	20	20	20	15	15
Repeatability	arc.sec	4	4	4	4	4
Clamping method(air pressure)	Kg/cm ²	5~7	5~7	5~7	35	35
Clamping torque	Kg-m	20	20	20	60	115

MODEL	Unit	GUH-400	GUH-500	GUH-630
Table diameter	mm	φ 400	φ 500	φ 630
Center hole diameter	mm	φ 120H7	φ 220H7	φ 280H7
Through-hole diameter	mm	Large hole φ 120	Large hole φ 220	Large hole φ 280
Height of center(vertical)	mm	255	310	400
Height of table(horizontal)	mm	250	290	325
T-slot width of table	mm	14H7	18H7	18H7
Width of guide block	mm	18h7	18h7	18h7
Min. increment	deg	0.001	0.001	0.001
Indexing accuracy	arc.sec	15	15	15
Repeatability	arc.sec	4	4	4
Clamping method(hyd. pressure)	Kg/cm ²	35	35	35
Clamping torque	Kg-m	200	370	600