

Always Deliver More
Than Expected



ABOUT US

The foundation of the Mahek's growth over the 25 years is a deep understanding of economic stimuli and customer needs and the ability to translate them into customer - desired offerings through leading edge R & D . With engineers and technicians Mahek SPM Automation , established in 2007 and has enabled pioneering technologies and products .

The Mahek's range of technologies offer energy - efficient , cost - effective solutions to new era and are manufactured to suit today's requirements of the industry . Widespread experience in the field of Pipe Milling , Automotive parts , Machine Tools , Bearing industries , Textile parts , etc. and closer look at end - user's requirement have inspired us a lot to create sophisticated machines by linking process expertise , technology and analytical capabilities with operational insight .

Unlike the conventional machines , Mahek machines are equipped with the state - of - the - art electronics & controls to offer hi - standard quality with operating ease . Mahek offers one of the comprehensive product portfolios in Special Purpose Machines (SPM) like Turn Mill Machines , Boring Machine , Drilling Machine , Tapping Machine , Multi Operation Machine , Non - Metal Cutting Machines , etc.

Customers ' of Mahek are evidence to its persistent assurance towards excellent performance & supported by rarely required after - sales services and consequently it enjoys repeat business from the previous customers .

Looking to the future , Mahek will continue to develop and drive onwards with an aim to consolidate a clear brand identity encompassing technology , product value and service . Despite an increasingly competitive business milieu , we vow to create the added value that will deliver true satisfaction to our customers .

For achieving this milestone in Mahek portfolio , a long and deep rooted association of Widia & Kennametal has played a vital role to enhance engineering with innovation and excellence





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Technical Specification

BT-50

Capacity

Max. Swing Over Bed	mm	160
Maximum Turning Length	mm	50
Max. Job Swing Dia.	mm	100
Std. Turning Dia.	mm	50

Tooling

No. of Tools for Std. job Dia Range	nos.	4
Max. Boring Bar Capacity	mm	20
Tool Size (Cross Sectional)	mm	20 * 20

Main Spindle

Spindle Motor Power	kw	2.2/3.7
Spindle Bore	mm	28
Spindle Nose		A2-4
Max Bar Capacity	mm	16
Spindle Speed Range	rpm	100/3000

Accuracy

Positioning	mm	0.010
Repeatability	mm	0.005

Slides

Cross (X-Axis) Travel	mm	140
Longitudinal (Z axis) Travel	mm	150
Rapid Travel (X&Z axis)	m/min	15
Ball Screw Z Axis	mm	20 * 5
Ball Screw X Axis	mm	20 * 5
LM Guide Z Axis	mm	HG20
LM Guide X Axis	mm	HG20

Other

Weight (Approx)	kg	700
Dimension (Approx) (L, W, H)	cm	120 x 100 x 180

Note : Depends on Clamping Systems and Device.

Control Device System

The CNC System in BT Series in The Closed loop DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Program available for 999 Parts | Multiple Repetitive Cycle | Pitch Error Compensation | G-Code Compatibility | USB Port & RS232 Port

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Bar Feeder | Bar Puller Part Catcher | Hyd. Collet Chuck | Auto Loader
Polygon Tool Attachment | Power Chuck | Mandrel Collets

MPF-75



Technical Specification

MPF-75

Capacity

Maxi. Swing Over Bed	mm	360
Max. Turning Length	mm	150
Max. Job Swing Dia.	mm	200
Std. Turning Dia.	mm	75

Main Spindle

Spindle Motor Power	kw	3.7/5.5
Spindle Bore	mm	46
Spindle Nose		A2-5
Max. Bar Capacity	mm	35
Spindle Speed Range	rpm	50/3500

Slides

Cross (X-Axis) Travel	mm	190
Longitudinal (Z axis) Travel	mm	240
Rapid Travel (X&Z axis)	m/min	24
Ball Screw Z Axis	mm	32 * 10
Ball Screw X Axis	mm	25 * 10
LM Guide Z Axis	mm	RG25
LM Guide X Axis	mm	RG25

Turret

No. of Station	NA
Max. Boring Bar Dia.	NA
Tool Size (Cross Sectional)	NA

Tail Stock

Quill Dia.	NA
Quill Stroke	NA
Thrust (Adjustable)	NA

Tooling

No. of Tools	nos.	4
For Std. Job Dia Range		4
Max Bar Capacity	mm	25
Tool Size (Cross Sectional)	mm	25 * 25

Accuracy

Positioning Uncertainty	mm	0.010
Repeatability	mm	0.005

Other

Weight (Approx)	kg	1800
Dimension (Approx) (L, W, H)	cm	200 x 142 x 180
Note : Depends on Clamping Systems and Device.		

Control Device System

The CNC System in MT Series in The Closed Loop MITSUBISHI | FANUC | DELTA System

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Calculator Inbuilt In Device

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Hyd. Collet Chuck | Power Chuck | Mandrel Collets

MT-90

Technical Specification

MT-90

Capacity

Max. Swing Over Bed	mm	250
Maximum Turning Length	mm	100
Max. Job Swing Dia.	mm	200
Std. Turning Dia.	mm	90

Tooling

No. of Tools for Std. job Dia Range	nos.	5
Max. Boring Bar Capacity	mm	25
Tool Size (Cross Sectional)	mm	25 * 25

Main Spindle

Spindle Motor Power	kw	3.7 / 5.5
Spindle Bore	mm	45
Spindle Nose		A2-5
Max Bar Capacity	mm	35
Spindle Speed Range	rpm	100/4000

Accuracy

Positioning	mm	0.010
Repeatability	mm	0.005

Slides

Cross (X-Axis) Travel	mm	300
Longitudinal (Z axis) Travel	mm	250
Rapid Travel (X&Z axis)	m/min	20
Ball Screw Z Axis	mm	25 * 10
Ball Screw X Axis	mm	25 * 10
LM Guide Z Axis	mm	RG25
LM Guide X Axis	mm	RG25

Other

Weight (Approx)	kg	2000
Dimension (Approx) (L, W, H)	cm	173 x 114 x 170

Note : Depends on Clamping Systems and Device.

Control Device System

The CNC System in MT Series in The Closed loop SIEMENS | FANUC | MITSUBISHI | DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Program available for 999 Parts | Multiple Repetitive Cycle | Pitch Error Compensation | G-Code Compatibility | USB Port & RS232 Port

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Bar Feeder | Bar Puller Part Catcher | Hyd. Collet Chuck | Auto Loader
Polygon Tool Attachment | Power Chuck | Mandrel Collets





Capacity

Max. Swing Over Bed	mm	350
Maximum Turning Length	mm	300
Max. Turning Dia.	mm	150
Std. Turning Dia.	mm	100

Main Spindle

Spindle Motor Power	kw	3.7 / 5.5
Spindle Bore	mm	46
Spindle Nose		A2-5
Max Bar Capacity	mm	34
Spindle Speed Range	rpm	50/3500

Slides

Cross (X-Axis) Travel	mm	400
Longitudinal (Z axis) Travel	mm	375
Rapid Travel (X&Z axis)	m/min	24
Ball Screw Z Axis	mm	32 * 10
Ball Screw X Axis	mm	32 * 10
LM Guide Z Axis	mm	RG30
LM Guide X Axis	mm	RG30

Turret

No. of Station	NA
Max. Boring Bar Dia.	NA
Tool Size (Cross Sectional)	NA

Tail Stock

Quill Dia.	NA
Quill Stroke	NA
Thrust (Adjustable)	NA

Tooling

No. of Tools	Nos.	7
For Std. Job Dia Range		5
Max Bar Capacity	mm	34
Tool Size (Cross Sectional)	mm	25

Accuracy

Positioning Uncertainty	mm	0.010
Repeatability	mm	0.005

Other

Weight (Approx)	kg	2200
Dimension (Approx) (L, W, H)	cm	225 x 180 x 195
Note : Depends on Clamping Systems and Device.		

Control Device System

The CNC System in MT Series in The Closed loop SIEMENS | FANUC | MITSUBISHI | DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Program available for 999 Parts | Multiple Repetitive Cycle | Pitch Error Compensation | G-Code Compatibility | USB Port & RS232 Port

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Bar Feeder | Bar Puller Part Catcher | Hyd. Collet Chuck | Auto Loader
Polygon Tool Attachment | Power Chuck | Mandrel Collets

MT-150

Technical Specification

MT-150

Capacity

Max. Swing Over Bed	mm	300
Maximum Turning Length	mm	100
Max. Job Swing Dia.	mm	200
Std. Turning Dia.	mm	165

Tooling

No. of Tools for Std. job Dia Range	Nos.	5
Max. Boring Bar Capacity	mm	32
Tool Size (Cross Sectional)	mm	25 * 25

Main Spindle

Spindle Motor Power	kw	5.5/7.5
Spindle Bore	mm	45
Spindle Nose		A2-5
Max Bar Capacity	mm	35
Spindle Speed Range	rpm	50/4000

Accuracy

Positioning	mm	0.010
Repeatability	mm	0.005

Slides

Cross (X-Axis) Travel	mm	300
Longitudinal (Z axis) Travel	mm	250
Rapid Travel (X&Z axis)	m/min	24
Ball Screw Z Axis	mm	32 * 10
Ball Screw X Axis	mm	25 * 10
LM Guide Z Axis	mm	RG30
LM Guide X Axis	mm	RG25

Other

Weight (Approx)	kg	2500
Dimension (Approx) (L, W, H)	cm	250 x 170 x 190

Note : Depends on Clamping Systems and Device.

Control Device System

The CNC System in MT Series in The Closed loop SIEMENS | FANUC | MITSUBISHI | DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Program available for 999 Parts | Multiple Repetitive Cycle | Pitch Error Compensation | G-Code Compatibility | USB Port

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Bar Feeder | Bar Puller Part Catcher | Hyd. Collet Chuck | Auto Loader
Polygon Tool Attachment | Power Chuck | Mandrel Collets



MF-165



Technical Specification

MF-165

Capacity

Maxi. Swing Over Bed	mm	500
Max. Turning Length	mm	200
Max. Job Swing Dia.	mm	180
Std. Turning Dia.	mm	165

Main Spindle

Spindle Motor Power	kw	3.7/5.5
Spindle Bore	mm	46
Spindle Nose		A2-5
Max. Bar Capacity	mm	35
Spindle Speed Range	rpm	50/3500

Slides

Cross (X-Axis) Travel	mm	305
Longitudinal (Z axis) Travel	mm	250
Rapid Travel (X&Z axis)	m/min	24
Ball Screw Z Axis	mm	32 * 10
Ball Screw X Axis	mm	25 * 10
LM Guide Z Axis	mm	HG35
LM Guide X Axis	mm	HG30

Turret

No. of Station	NA
Max. Boring Bar Dia.	NA
Tool Size (Cross Sectional)	NA

Tail Stock

Quill Dia.	NA
Quill Stroke	NA
Thrust (Adjustable)	NA

Tooling

No. of Tools	nos.	5
For Std. Job Dia Range		4
Max Bar Capacity	mm	34
Tool Size (Cross Sectional)	mm	25 * 25

Accuracy

Positioning Uncertainty	mm	0.010
Repeatability	mm	0.005

Other

Weight (Approx)	kg	1800
Dimension (Approx) (L, W, H)	cm	255 x 188 x 179
Note : Depends on Clamping Systems and Device.		

Control Device System

The CNC System in MT Series in The Closed Loop MITSUBISHI | FANUC | DELTA System

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Calculator Inbuilt In Device

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Hyd. Collet Chuck | Power Chuck | Mandrel Collets

PETITE 165



Technical Specification

PETITE 165

Capacity

Max. Swing Over Bed	mm	575
Maximum Turning Length	mm	250
Max. Turning Dia.	mm	200
Between Centre Dia	mm	165

Main Spindle

Spindle Motor Power	kw	3.7 / 5.5
Spindle Bore	mm	46
Spindle Nose		A2-5
Max Bar Capacity	mm	35
Spindle Speed Range	rpm	50/3500

Slides

Cross (X-Axis) Travel	mm	170
Longitudinal (Z axis) Travel	mm	300
Rapid Travel (X&Z axis)	m/min	24
Ball Screw Z Axis	mm	25 * 10
Ball Screw X Axis	mm	25 * 10
LM Guide Z Axis	mm	RG25
LM Guide X Axis	mm	RG25

Turret

No. of Station	Nos.	8
Max. Boring Bar Dia.	mm	32
Tool Size (Cross Sectional)	mm	20 * 20

Tail Stock

Quill Dia.	mm	60
Quill Stroke	mm	90
Thrust (Adjustable)		

Tooling

No. of Tools	nos.	NA
For Std. Job Dia Range		NA
Max Bar Capacity	mm	35
Tool Size (Cross Sectional)	mm	20 * 20

Accuracy

Positioning Uncertainty	mm	0.010
Repeatability	mm	0.005

Other

Weight (Approx)	kg	2100
Dimension (Approx) (L, W, H)	cm	220 x 175 x 175
Note : Depends on Clamping Systems and Device.		

Control Device System

The CNC System in MT Series in The Closed loop SIEMENS | FANUC | MITSUBISHI | DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Program available for 999 Parts | Multiple Repetitive Cycle | Pitch Error Compensation | G-Code Compatibility | USB Port

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Bar Feeder | Bar Puller Part Catcher | Hyd. Collet Chuck
Auto Loader | Power Chuck | Mandrel Collets

MT-165



Technical Specification

MT-165

Capacity

Max. Swing Over Bed	mm	250
Maximum Turning Length	mm	350
Max. Job Swing Dia.	mm	200
Std. Turning Dia.	mm	165

Main Spindle

Spindle Motor Power	kw	5.5/7.5
Spindle Bore	mm	45
Spindle Nose		A2-5
Max Bar Capacity	mm	35
Spindle Speed Range	rpm	50/4500

Slides

Cross (X-Axis) Travel	mm	250
Longitudinal (Z axis) Travel	mm	350
Rapid Travel (X&Z axis)	m/min	24
Ball Screw Z Axis	mm	32 * 10
Ball Screw X Axis	mm	25 * 10
LM Guide Z Axis	mm	RG30
LM Guide X Axis	mm	RG25

Turret

No. of Station	nos.	8
Max. Boring Bar Dia.	mm	32
Tool Size (Cross Sectional)	mm	25 * 25

Tail Stock

Quill Dia.	mm	60
Quill Stroke Thrust (Adjustable)	mm	90

Tooling

No. of Tools	nos.	NA
For Std. Job Dia Range		NA
Max Boring Bar Capacity	mm	32
Tool Size (Cross Sectional)	mm	20 * 20

Accuracy

Positioning Uncertainty	mm	0.010
Repeatability	mm	0.005

Other

Weight (Approx)	kg	2500
Dimension (Approx) (L, W, H)	cm	245 x 150 x 164
Note : Depends on Clamping Systems and Device.		

Control Device System

The CNC System in MT Series in The Closed loop SIEMENS | FANUC | MITSUBISHI | DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Program available for 999 Parts | Multiple Repetitive Cycle | Pitch Error Compensation | G-Code Compatibility | USB Port

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Bar Feeder | Bar Puller Part Catcher | Hyd. Collet Chuck
Auto Loader | Power Chuck | Mandrel Collets

PETITE 200

Technical Specification

PETITE 200

Capacity

Max. Swing Over Bed	mm	450
Maximum Turning Length	mm	275
Max. Turning Dia.	mm	375
STD Turning Dia.	mm	200

Main Spindle

Spindle Motor Power	kw	5.5 / 7.5
Spindle Bore	mm	55
Spindle Nose		A2-6
Max Bar Capacity	mm	44
Spindle Speed Range	rpm	50/3500

Slides

Cross (X-Axis) Travel	mm	230
Longitudinal (Z axis) Travel	mm	460
Rapid Travel (X&Z axis)	m/min	24
Ball Screw Z Axis	mm	40 * 10
Ball Screw X Axis	mm	32 * 10
LM Guide Z Axis	mm	HG35
LM Guide X Axis	mm	HG30

Turret

No. of Station	nos.	8
Max. Boring Bar Dia.	mm	40
Tool Size (Cross Sectional)	mm	25

Tail Stock

Quill Dia.	mm	NA
Quill Stroke	mm	NA
Thrust (Adjustable)		NA

Tooling

No. of Tools	nos.	NA
For Std. Job Dia Range		NA
Max Bar Capacity	mm	NA
Tool Size (Cross Sectional)	mm	NA

Accuracy

Positioning Uncertainty	mm	0.010
Repeatability	mm	0.005

Other

Weight (Approx)	kg	2400
Dimension (Approx) (L, W, H)	cm	247 x 212 x 185
Note : Depends on Clamping Systems and Device.		

Control Device System

The CNC System in MT Series in The Closed loop SIEMENS | FANUC | MITSUBISHI | DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Program available for 999 Parts | Multiple Repetitive Cycle | Pitch Error Compensation | G-Code Compatibility | USB Port

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Bar Feeder | Bar Puller Part Catcher | Hyd. Collet Chuck
Auto Loader | Power Chuck | Mandrel Collets



MTL-200

Technical Specification

MTL-200

Capacity

Maxi. Swing Over Bed	mm	425
Max. Turning Length	mm	450
Max. Job Swing Dia.	mm	430
Std. Turning Dia.	mm	200

Main Spindle

Spindle Motor Power	kw	7.5/11
Spindle Bore	mm	55
Spindle Nose		A2-6
Max. Bar Capacity	mm	50
Spindle Speed Range	rpm	50/3500

Spindle

Cross (X-Axis) Travel	mm	350
Longitudinal (Z axis) Travel	mm	450
Rapid Travel (X&Z axis)	m/min	24
Ball Screw Z Axis	mm	40 * 10
Ball Screw X Axis	mm	32 * 10
LM Guide Z Axis	mm	RG35
LM Guide X Axis	mm	RG30

Turret

No. of Station	8
Max. Boring Bar Dia.	40
Tool Size (Cross Sectional)	25 * 25

Tail Stock

Quill Dia.	NA
Quill Stroke	NA
Thrust (Adjustable)	NA

Tooling

No. of Tools	nos.	4
For Std. Job Dia Range		4
Max Bar Capacity	mm	42
Tool Size (Cross Sectional)	mm	25 * 25

Accuracy

Positioning Uncertainty	mm	0.010
Repeatability	mm	0.005

Other

Weight (Approx)	kg	3200
Dimension (Approx) (L, W, H)	cm	277 x 215 x 220
Note : Depends on Clamping Systems and Device.		

Control Device System

The CNC System in MT Series in The Closed loop SIEMENS | FANUC | MITSUBISHI | DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Calculator Inbuilt In Device

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Hyd. Collet Chuck | Power Chuck | Mandrel Collets | Polygon Tool attachment
Live Tool attachment



MT-200

Technical Specification

MT-200

Capacity

Maxi. Swing Over Bed	mm	500
Max. Turning Length	mm	500
Max. Job Swing Dia.	mm	320
Std. Turning Dia.	mm	200

Tooling

No. of Tools		
For Std. Job Dia Range	Nos.	8
Max Boring Bar Capacity	mm	40
Tool Size (Cross Sectional)	mm	25 * 25

Main Spindle

Spindle Motor Power	kw	7.5/11
Spindle Bore	mm	55
Spindle Nose		A2-6
Max. Bar Capacity	mm	50
Spindle Speed Range	rpm	50/4000

Accuracy

Positioning Uncertainty	mm	0.010
Repiatability	mm	0.005

Spindle

Cross (X-Axis) Travel	mm	370
Longitudinal (Z axis) Travel	mm	685
Rapid Travel (X&Z axis)	m/min	24
Ball Screw Z Axis	mm	40 * 10
Ball Screw X Axis	mm	32 * 10
LM Guide Z Axis	mm	RG35
LM Guide X Axis	mm	RG30

Other

Weight (Approx)	kg	3500
Dimension (Approx) (L, W, H)	cm	293 x 182 x 173
Note : Depends on Clamping Systems and Device.		

Control Device System

The CNC System in MT Series in The Closed loop SIEMENS | FANUC | MITSUBHISHI | DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Program available for 999 Parts | Multiple Repetitive Cycle | Pitch Error Compensation | G-Code Compatibility | USB Port

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Bar Feeder | Bar Puller Part Catcher
Hyd. Collet Chuck | Auto Loader | Power Chuck
Mandrel Collets



MT-200 DL



Technical Specification

MT-200 DL

Capacity

Maxi. Swing Over Bed	mm	350
Max. Turning Length	mm	450
Max. Job Swing Dia.	mm	410
Std. Turning Dia.	mm	200

Main Spindle

Spindle Motor Power	kw	7.5/11
Spindle Bore	mm	55
Spindle Nose		A2-6
Max. Bar Capacity	mm	50
Spindle Speed Range	rpm	50/3500

Slides

Cross (X-Axis) Travel	mm	350
Longitudinal (Z axis) Travel	mm	450
Rapid Travel (X&Z axis)	m/min	24
Ball Screw Z Axis	mm	40 * 10
Ball Screw X Axis	mm	32 * 10
LM Guide Z Axis	mm	RG35
LM Guide X Axis	mm	RG30

Turret

No. of Tools	8
Max Bar Capacity	40
Tool Size (Cross Sectional)	25 * 25

Tail Stock

Quill Dia.	NA
Quill Stroke	NA
Thrust (Adjustable)	NA

Tooling

No. of Tools	nos.	4
For Std. Job Dia Range		4
Max Bar Capacity	mm	42
Tool Size (Cross Sectional)	mm	25 * 25

Accuracy

Positioning Uncertainty	mm	0.010
Repeatability	mm	0.005

Other

Weight (Approx)	kg	5900
Dimension (Approx) (L-W-H)	cm	385 x 193 x 207
Note : Depends on Clamping Systems and Device.		

Control Device System

The CNC System in MT Series in The Closed loop SIEMENS | FANUC | MITSUBISHI | DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Program available for 999 Parts | Multiple Repetitive Cycle | Pitch Error Compensation | G-Code Compatibility | USB Port

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Hyd. Collet Chuck | Power Chuck | Mandrel Collets | Polygon Tool attachment
Live Tool attachment

MT-250



Technical Specification

MT-250

Capacity

Maxi. Swing Over bed	mm	580
Max. Turning Dia.	mm	500
Max. Job Swing Dia.	mm	550
Std. Turning Dia.	mm	250

Tooling

No. of Tools		8
For Std. Job Dia Range		
Max Boring Dia	mm	50
Tool Size Cross Section	mm	25 * 25

Main Spindle

Spindle Motor Power	kw	11/15
Spindle Bore	mm	75
Spindle Nose		A2-8
Max. Bar Capacity	mm	63
Spindle Speed Range	rpm	50/3500

Accuracy

Positioning	mm	0.010
Repeatability	mm	0.005

Slides

Cross (X-Axis) Travel	mm	250
Longitudinal (Z-Axis) Travel	mm	550
Rapid Travel (X&Z Axis)	m/min	24
Ball Screw Z Axis	mm	40 * 10
Ball Screw X Axis	mm	32 * 10
LM Guide Way Z Axis	mm	RG35
LM Guide Way X Axis	mm	RG30

Other

Weight (Approx)	kg	3500
Dimention (Approx) (L-W-H)	cm	260 x 170 x 190

Note : Depends on Clamping Systems and Device.

Control Device System

The PLC, HMI Bore Series in The Closed loop MITSUBHISHI | FUJI | DELTA Systems

Simultaneous 2+1 Axis Control | 7"/10" TFT Color Display | Calculator Inbuilt In Device

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Hyd. Collet Chuck | Power Chuck | Mandrel Collets

VBM-ID 450 NX



Technical Specification

VBM-ID 450 NX

Capacity

Max. Swing Over Bed	mm	200
Maximum Turning Length	mm	350
Max. Job Swing Dia.	mm	160
Std. Turning Dia.	mm	75-140

Tooling

Boring Bar Dia.	mm	70/90/105
Twin Boring Head	Nos.	1

Main Spindle

Spindle Motor Power	Kw	11 / 15
Spindle Bore	mm	70
Spindle Nose		A2-8
Spindle Speed Range	rpm	200/500

Accuracy

Positioning	mm	0.050
Repeatability	mm	0.030

Slides

Longitudinal (Z Axis) Travel	mm	750
Rapid Travel (Z Axis)	m/min	10
Ball Screw Z Axis	mm	40 * 10
LM Guide Z Axis	mm	RG35

Other

Weight (Approx)	kg	9500
Dimension (Approx) (L-W-H)	cm	258 x 193 x 289

Note : Depends on Clamping Systems and Device.

Control Device System

The PLC | HMI Bore Series In The Closed loop MITSUBISHI | FUJI | DELTA Systems

Simultaneous 2 Axis Control | 7"/10" TFT Color Display | Calculator Inbuilt In devices

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

Advanced Options Features

Chip Conveyor | Hyd. Collet Chuck | Power Chuck | Mandrel Collets

VTL-450 NX



Technical Specification

VTL-450 NX

Capacity

Max. Swing Over Bed	mm	350
Maximum Turning Length	mm	450
Max. Job Swing Dia.	mm	300
Std. Turning Dia.	mm	250

Tooling

No. of Tools		
For Std. Job Dia Range	Nos.	8
Max. Boring Bar Capacity	mm	40
Tool Size (Cross Sectional)	mm	25 * 25

Main Spindle

Spindle Motor Power	Kw	11 / 15
Spindle Bore	mm	70
Spindle Nose		A2-8
Spindle Speed Range	rpm	100/1200

Accuracy

Positioning	mm	0.010
Repeatability	mm	0.005

Slides

Cross (X-Axis) Travel	mm	300
Longitudinal (Z-Axis) Travel	m/min	700
Rapid Travel (X&Z Axis)	mm	10
Ball Screw Z Axis	mm	40 * 10
Ball Screw X Axis	mm	32 * 10
LM Guide Z Axis	mm	RG35
LM Guide X Axis	mm	RG30

Other

Weight (Approx)	kg	4500
Dimension (Approx) (L-W-H)	cm	181 x 180 x 281

Note : Depends on Clamping Systems and Device.

Control Device System

The CNC System in Vertical Boring Series in The Closed loop MITSUBISHI, DELTA Systems

Simultaneous 2+1 Axis Control | 10" TFT Color Display | Program available for 999 Parts | Multiple Repetitive Cycle | Pitch Error Compensation | G-Code Compatibility | USB Port & Rs232 Port

Standard Features

Spindle Drive AC. (VFD) & Also Servo Spindle Available | L.M. Guide ways | Hydraulic Chucking

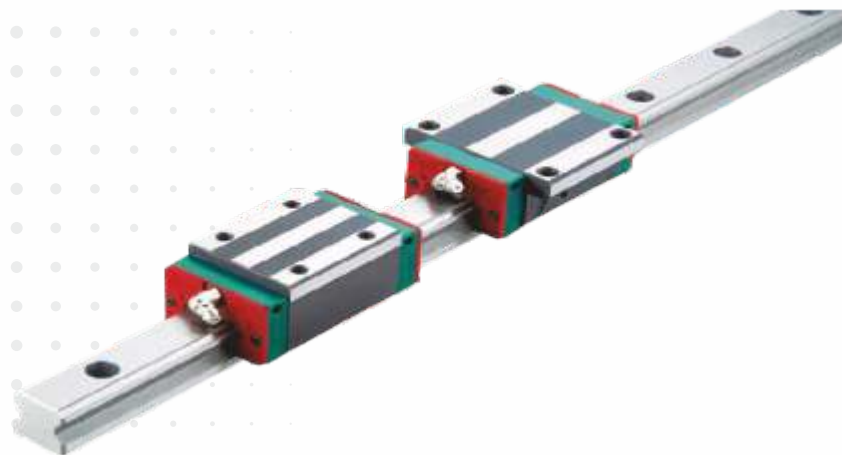
Advanced Options Features

Chip Conveyor | Hyd. Collet Chuck | Power Chuck | Mandrel Collets



Spindle

Cartridge Spindle is used . In which 2 angular contact bearing are used at front side and 2 angular contact bearing are used at rear side which result in high precision.



Linear Guideway

Re - circulating ball guide way are provided in all axes which provide rigidity in all four direction and sustain heavy load .



Ball Screw

Ball Screw along with ball nut are used which eliminate backlash . It provides great accuracy in position in and more procession in work . Ball screw are directly mounted to servo motor along with coupling which are anchored at both ends .

Enclosure

Machine come along with guarding so that work place reamins clean and for workers safety .

Note

TODAY IT'S IMPORTANT TO BE PRESENT,
Be Relevant, And Add Value