

Vastuna

Gun Drilling System • BTA Drilling System

Deep Hole
Drilling Machine

Vastuna



About



Vastuna Ltd. was established in 2010.

In the beginning stage, we supplying precision machine tools part (casting parts with precision machining and filtration systems). And also supplying high quality deep hole drilling machines (Gundrilling machines and BTA drilling machines). Our products exported to China, Canada, Singapore and Europe.

In 2012

We have our own working shop and production line. We started doing OEM and ODM business of Deep Hole Drilling Machines. The first ODM deep hole drilling machine was finished in 2013.

In 2013

We started OBM (Vastuna brand) business of Deep Hole Drilling Machines, and completed the first gundrilling machine (R-Series).

In 2016

We enlarge our production line for our new B-Series (BTA drilling machines). The drilling capacity of the B-Series is 2000~6000 mm depth.



Products Guide

Gun Drilling System

R Series

Medium Duty Gundrills — 3

S Series

Efficient Mult Axes Gundrills — 5

M Series

Light Duty Gundrills — 7~8

F Series

Light Duty 3-axes Gundrills — 7~8

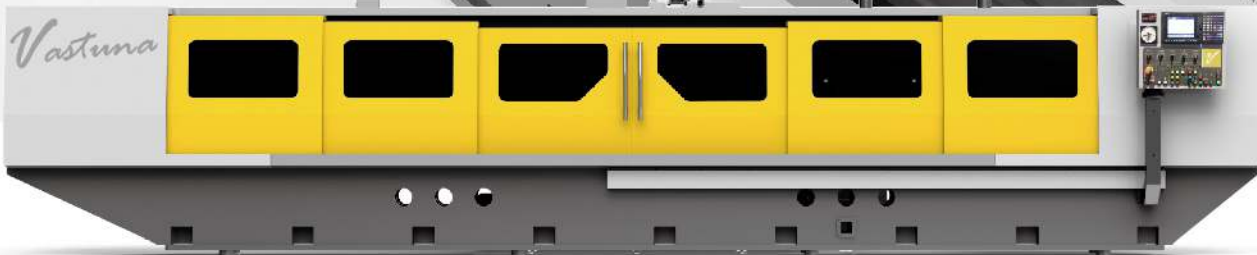
BTA Drilling System

B Series

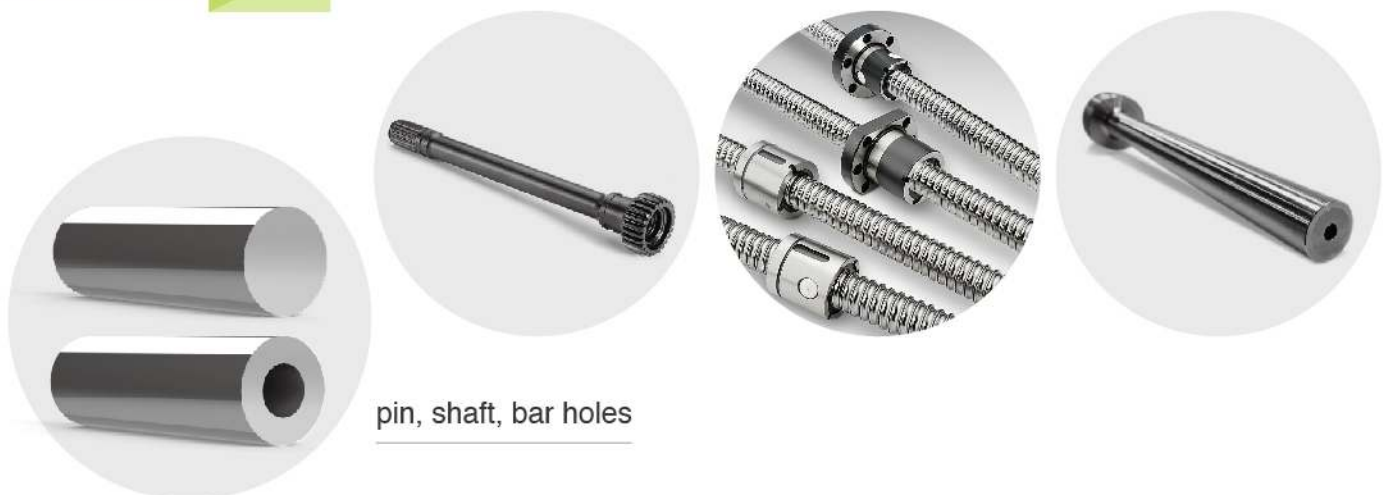
Heavy Duty BTA drills / \varnothing 18~ \varnothing 150 — 9~10

BV Series

Heavy Duty BTA drills / \varnothing 30~ \varnothing 150 — 9~10

Medium Duty
Gundrills

Application



pin, shaft, bar holes

- Automobile and motorcycle spare parts for crankshafts, connecting rods, shafts, power steering shafts.
- Medical equipment for artificial hollow bones.
- Others parts required to drill high precision deep holes.
- The gun drilling machine capacity is for holes diameter: $\text{Ø}3 \sim \text{Ø}40\text{mm}$, depth: up to 3,000mm.

R Series

1. Roundbar material
2. Ø3mm to Ø40mm
3. Holes depth: 500mm to 3,000mm
4. 1 to 4 spindles
5. Counter rotation available

Gun Drilling System

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Features

- Productivity multiplication is guarantee for regular bars (according to related part dimension), simultaneous processing by multi-spindles are available in R series.
- Double rotation system provides superior machining quality in hole straightness, concentricity and roundness.
- Application engineering division provides ideal turn-key solution, such as specialized fixture for job with off-center drill.
- Ultra large capacity coolant tank along with paper filter is standard features for all R series.
- High rigidity machine + powerful coolant system = high efficient deep hole drilling machine, high efficient gun drilling machine.



Model		R4-500	R1-1000	R2-1000
Drilling capacity	Diameter	Ø3~30mm (Opt: Ø4~40mm)		
	Depth	500mm	1000mm	1000mm
Spindle	Number of spindle	4	1	2
Workpiece holding	3-jaw chuck	7"	10" (Opt: 12")	7" (Opt: 10")
Tool rotation		V	V	V
Workpiece rotation		X	X	X
Controller		Fanuc / Mitsubishi	Fanuc / Mitsubishi	Fanuc / Mitsubishi

Model		R1-1500R	R1-2000R	R1-3000R
Drilling capacity	Diameter	Ø3~30mm (Opt: Ø4~40mm)		
	Depth	1500mm	2000mm	3000mm
Spindle	Number of spindle	1	1	2
Workpiece holding	3-jaw chuck	10" (Opt: 12")	10" (Opt: 12")	10" (Opt: 12")
Tool rotation		V	V	V
Workpiece rotation		V	V	V
Controller		Fanuc / Mitsubishi	Fanuc / Mitsubishi	Fanuc / Mitsubishi

Standard accessories

1. Chip conveyor and cart
2. Air conditioner for electrical box
3. Coolant chiller
4. Coolant pump
5. Transformer

6. Steady rest for tools
7. Working light
8. Tool box
9. English operation manual

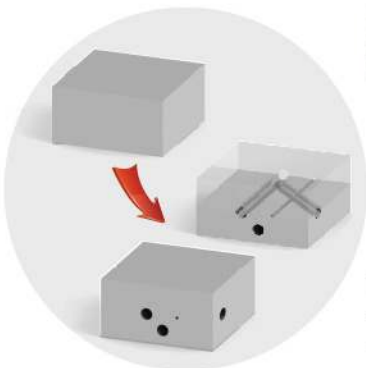
Optional accessories

1. Drum type paper filter
2. Guide bush
3. Steady rest guide bush
4. Gundrill grinder
5. Full cover safety guard
6. Oil centrifugal extractor

Efficient Multi Axes Gundrills



Application



flat piece, mould, irregular shape,
various X, Y-axes position holes

- Plastic injection mould for coolant passages, eject pin and electrical heating holes.
- Glass mould for coolant passages.
- Others parts required to drill high precision deep holes.
- The gun drilling machine capacity is for holes diameter: $\text{Ø}3 \sim \text{Ø}40\text{mm}$, depth: up to 1,500mm.

S Series

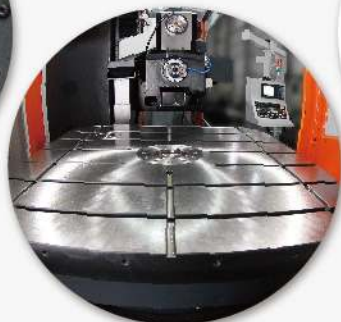
1. Square material
2. Ø3mm to Ø40mm
3. Holes depth: 1,000mm to 1,500mm
4. Extra BT-50 milling head
5. Moving column (W-axis)

Gun Drilling System

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Features

- Rotary table with column moving (W-axis).
- Parts carrier stability guarantee. Whole X axial loading area are fully supported upon machine major base.
- One-piece base in sturdy ribs constructed is the key casting element to perform ever lasting dynamic accuracy and deformation resistant
- Ultra large capacity coolant tank along with paper filter is standard features for all S series.
- High rigidity machine + powerful coolant system = high efficient deep hole drilling machine, high efficient gun drilling machine.



Model		S-2010	S-2015	S-3010	S-3015
Drilling capacity	Diameter	Ø3~30mm (Opt. Ø4~40mm)		Ø3~30mm (Opt. Ø4~40mm)	
	Depth	1000mm (Opt. 1500mm)		1000mm (Opt. 1500mm)	
Numbers of gundrill spindle		1	1	1	1
Numbers of BT-50 milling spindle		1	1	1	1
Working table	Size	1600 x 1800mm		1600 x 1800mm	
	Loading capacity	10000kgs		10000kgs	
	Degree	0.001	0.001	0.001	0.001
Travel	X axis	2000mm	2000mm	3000mm	3000mm
	Y axis	1000mm	1500mm	1000mm	1500mm
Controller		Fanuc / Mitsubishi		Fanuc / Mitsubishi	

Standard accessories

1. Chip conveyor and cart
2. Air conditioner for electrical box
3. Coolant chiller
4. Coolant pump
5. Transformer

6. Steady rest for tools
7. Working light
8. Tool box
9. English operation manual

Optional accessories

1. Drum type paper filter
2. Guide bush
3. Steady rest guide bush
4. Gundrill resharper
5. Full cover safety guard
6. Oil centrifugal extractor

Light Duty Gundrills

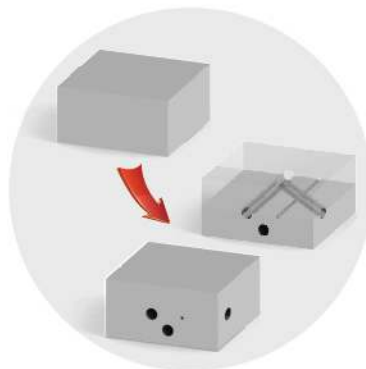


Application



Small workpiece, round bar, shaft

M Series



flat piece, model,
irregular shape,
various X, Y-axes
position holes

F Series

Standard accessories

1. Chip conveyor and cart
2. Heat exchanger for electrical box
3. Coolant system
4. Filtration system
5. Transformer

6. Steady rest for tools
7. Working light
8. Tool box
9. English operation manual

Optional accessories

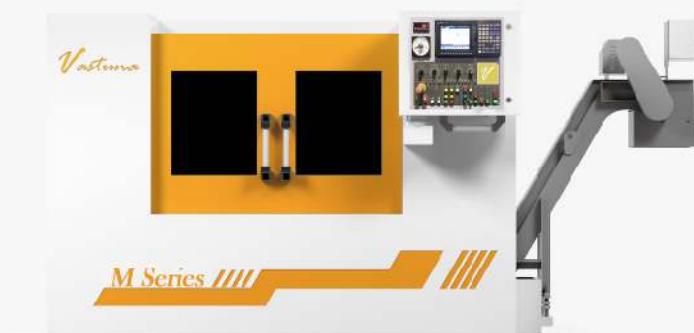
1. Drum type paper filter
2. Guide bush
3. Steady rest guide bush
4. Gundrill resharper
5. Full cover safety guard
6. Oil centrifugal extractor

M Series

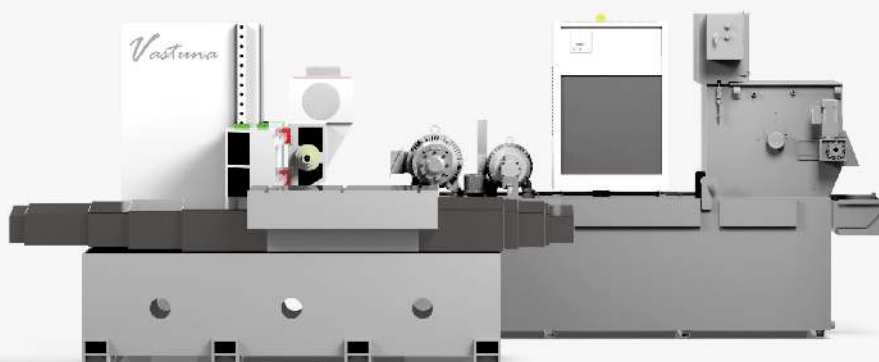
1. Roundbar material
2. Ø2mm to Ø8mm
3. Holes depth: 300mm to 500mm
4. 1 to 2 spindles
5. Counter rotation available

Gun Drilling System

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Model		M1-300	M2-300	M1-500R	M2-500R
Drilling capacity	Diameter	Ø2~8mm	Ø2~8mm	Ø2~8mm	Ø2~8mm
	Depth	300mm	300mm	500mm	500mm
Numbers of gundrill spindle		1	1	1	1
Workpiece holding	3-jaw chuck	4"	4"	4"	4"
Tool rotation		V	V	V	V
Workpiece rotation		X	X	V	V
Controller		Fanuc / Mitsubishi		Fanuc / Mitsubishi	



F Series

1. Square material
2. Ø3mm to Ø25mm
3. Holes depth: 800mm
4. 1 spindle
5. 1000 x 800mm working table

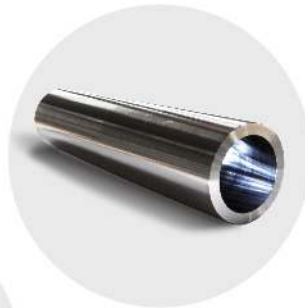
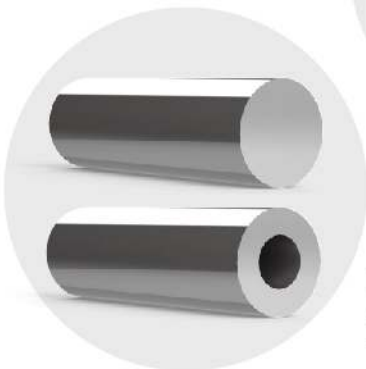
Model		F-1000
Drilling capacity	Diameter	Ø3~25mm (Opt. Ø3~30mm)
	Depth	800mm (Opt. 1000mm)
Numbers of gundrill spindle		1
Working table	Size	1000 x 800mm
	Loading capacity	3000kgs
Travel	X axis	1000mm
	Y axis	600mm
Controller		Fanuc / Mitsubishi

B Series

BV Series

Heavy Duty BTA drills

Application



heavy duty drill for petroleum
industry parts, cylindrical parts.

Standard accessories

1. Chip conveyor and cart
2. Air conditioner for electrical box
3. Coolant chiller
4. Coolant pump
5. Transformer
6. Steady rest for tools
7. Working light
8. Tool box
9. English operation manual

Optional accessories

1. Drum type paper filter
2. Guide bush
3. Steady rest guide bush
4. Full cover safety guard
5. Oil centrifugal extractor

B Series

1. Roundbar material
2. Ø18mm to Ø150mm
3. Holes depth: 2,000mm to 6,000mm

4. 1 spindle
5. Counter rotation

Exclusive agent by 

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**BTA
System**



Model		B-2000R	B-3000R	B-4000R	B-5000R	B-6000R
Drilling capacity	Diameter	Ø18~150mm				
	Depth	2000mm	3000mm	4000mm	5000mm	6000mm
Boring capacity	Diameter	Ø150~200mm				
	Depth	2000mm	3000mm	4000mm	5000mm	6000mm
Number of spindle		1	1	1	1	1
3-jaw chuck	Size	25" manual	25" manual	25" manual	25" manual	25" manual
Tool rotation		V	V	V	V	V
Workpiece rotation		V	V	V	V	V
Controller		Fanuc / Mitsubishi				

BV Series

1. Roundbar material
2. Ø30mm to Ø150mm
3. Holes depth: 1,000mm to 3,000mm

4. 1 to 2 spindle
5. Counter rotation available



Model		BV2-500	BV1-1000	BV1-2000	BV1-2000R	BV1-3000R
Drilling capacity	Diameter	Ø30~60mm	Ø30~110mm (Opt. Ø30~150mm)			
	Depth	500mm	1000mm	2000mm	2000mm	3000mm
Number of spindle		2	1	1	1	1
Workpiece holding	3-jaw chuck	10"	16" (Opt. 20")	16" (Opt. 20")	16" (Opt. 20")	16" (Opt. 20")
Tool rotation		V	V	V	V	V
Workpiece rotation		X	X	X	V	V
Controller		Fanuc / Mitsubishi				

*Deep Hole Drilling Systems
Deep Hole Drilling Machines
Deep Hole Drilling Tools*



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