



National Standard Setter of
High Speed CNC Drilling&Milling Machine
T/SDAS 199-2020



Factory VR

Jinan Zhangli Machinery Co.,Ltd(Manufacture)
Ningbo Oturn Machinery Co.,Ltd(Overseas Department)

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Jinan Zhangli Machinery Co., Ltd

Our Mission

Do high-quality CNC Drilling and Milling Machine with the spirit of craftsmanship, provide customers with the best drilling solutions, make drilling easier, more accurate and efficient, and make unremitting efforts to promote the development of China's high-end equipment manufacturing industry!

Corporate purposes

Be honest, work hard and focus on the R&D and manufacturing of high-speed CNC Drilling and Milling Machine to achieve a win-win situation for customers, enterprises and employees.

Corporate vision

Become a benchmark enterprise in China's high-speed CNC Drilling and Milling Machine industry.

Core values

Kindness, Integrity, Honesty, Trustworthiness
Pragmatic, Results First, Seeking Truth
Thinking innovation, Technological innovation
Technical quality, Service quality
Win-win society, Win-win customers



National High-Tech Enterprise

Company Profile

Jinan Zhangli Machinery Co., Ltd. is located in Zhangqiu District, Jinan City, Shandong Province. It was founded in 2010, and passed the ISO9001-2008 quality system certification in 2014. It is a national high-tech enterprise. The main equipment of the factory includes more than 60 sets of CNC lathes, CNC milling machines, CNC drilling machines, CNC planing machines, CNC grinders and CNC machining centers, and more than 200 employees. It is a comprehensive enterprise specializing in the research and development, production and sales of BOSM brand CNC drilling and milling machines. In addition to the conventional models, all products can be customized according to your actual needs.

Our company's main products include: Heavy-Duty CNC Drilling&Milling Machine, Gantry-Type High Speed CNC Drilling Machine for Boiler Header Pipe, High-Speed CNC Drilling&Milling Machine, High-Speed CNC Drilling&Milling Machine with Four-Jaw Self-Centering Chuck, Pipe CNC Drilling Machine, CNC Profile Processing Center, Double-Sided Boring&Milling Machining Center, etc.

The product structure is reasonable, the performance is reliable, the high efficiency and energy saving, and the quality is stable. The processing accuracy is high, and it is widely used in flange processing, engineering machinery, metallurgy and chemical industry, environmental protection equipment, valve processing, mechanical processing and other industries, relying on many years of production in the CNC machinery industry Experience and professional technology. Our products are exported to all parts of the country, and some products are exported to Southeast Asia, the Middle East, Europe and the United States and other countries, and are well received by users.

The company has always adhered to the corporate tenet of "Do One Thing Well With Heart In All Life", and constantly challenge the limits and surpass ourselves. GOSM will create a better future with you!



Excellent Enterprise in Shandong Province



National High-Tech Enterprise



Practical Education Employment Base of Polytechnic



EU CE certification



Intellectual Property Management System Certification



ISO14001 Environmental Management Certification



ISO9001 Quality Management System Certification

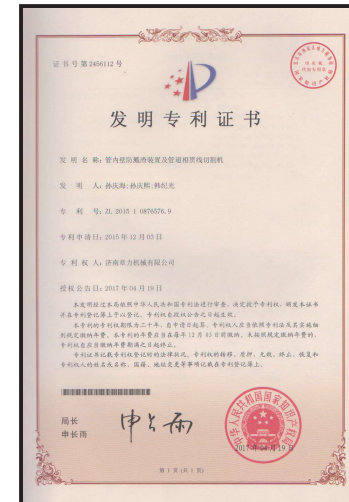


Safety certificate



Patent

Do One Thing Well with Heart In whole Life



Heavy-Duty CNC Drilling&Milling Machine

BOSM-DS 2020/4020/5020/6020

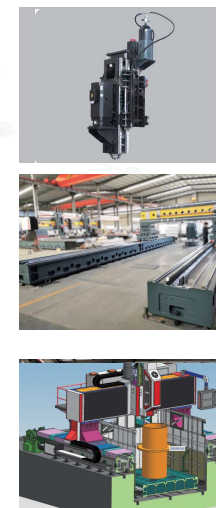


Specifications

Model		BOSM-DS2020	BOSM-DS4020	BOSM-DS5020
Maximum workpiece size	Length×Width (mm)	2000×2000	4000×2000	5000×2000
Four-linear Ram Type Spindle	Spindle Taper	BT50	BT50	BT50
	Maximum Drilling Diameter (mm)	φ96	φ96	φ96
	Maximum Tapping Diameter (mm)	M36	M36	M36
	Spindle Speed (r/min)	30-3000 / 60-6000	30-3000 / 60-6000	30-3000 / 60-6000
	Spindle Power (kW)	22 / 30 / 37(Optional)	22 / 30 / 37(Optional)	22 / 30 / 37(Optional)
	Distance From the Spindle End to Worktable	Based on Foundation	Based on Foundation	Based on Foundation
Three-axis Repeatability	X/Y/Z	0.025/2000mm	0.025/2000mm	0.025/2000mm
Controller	KND/GSK/Siemens(Optional)			
Tool Magazine	Optional Okada 24 tool magazine			

BOSM-DS 2525/4025/6025/8025

Heavy-Duty CNC Drilling&Milling Machine



Specifications

Model		BOSM-DS2525	BOSM-DS4025	BOSM-DS6025
Maximum workpiece size	Length×Width (mm)	2500×2500	4000×2500	6000×2500
Four-linear Ram Type Spindle	Spindle Taper	BT50	BT50	BT50
	Maximum Drilling Diameter (mm)	φ96	φ96	φ96
	Maximum Tapping Diameter (mm)	M36	M36	M36
	Spindle Speed (r/min)	30-3000 / 60-6000	30-3000 / 60-6000	30-3000 / 60-6000
	Spindle Power (kW)	22 / 30 / 37(Optional)	22 / 30 / 37(Optional)	22 / 30 / 37(Optional)
	Distance From the Spindle End to Worktable	Based on Foundation	Based on Foundation	Based on Foundation
Three-axis Repeatability	X/Y/Z	0.025/2000mm	0.025/2000mm	0.025/2000mm
Controller	KND/GSK/Siemens(Optional)			
Tool Magazine	Optional Okada 24 tool magazine			

BOSM-DS 3030/4030/5030/6030

Heavy-Duty CNC Drilling&Milling Machine



Specifications

Model		BOSM-DS3030	BOSM-DS4030	BOSM-DS5030
Maximum workpiece size	Length×Width (mm)	3000×3000	4000×3000	5000×3000
Four-linear Ram Type Spindle	Spindle Taper	BT50	BT50	BT50
	Maximum Drilling Diameter (mm)	φ96	φ96	φ96
	Maximum Tapping Diameter (mm)	M36	M36	M36
	Spindle Speed (r/min)	30-3000 / 60-6000	30-3000 / 60-6000	30-3000 / 60-6000
	Spindle Power (kW)	22 / 30 / 37(Optional)	22 / 30 / 37(Optional)	22 / 30 / 37(Optional)
	Distance From the Spindle End to Worktable	Based on Foundation	Based on Foundation	Based on Foundation
Three-axis Repeatability	X/Y/Z	0.025/2000mm	0.025/2000mm	0.025/2000mm
Controller	KND/GSK/Siemens(Optional)			
Tool Magazine	Optional Okada 24 tool magazine			

BOSM-DS 4040/5040/6040/7040

Heavy-Duty CNC Drilling&Milling Machine

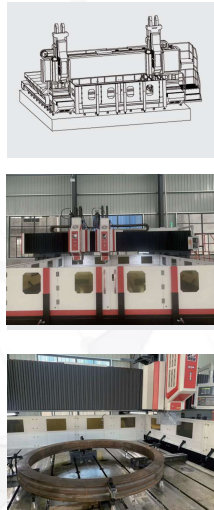


Specifications

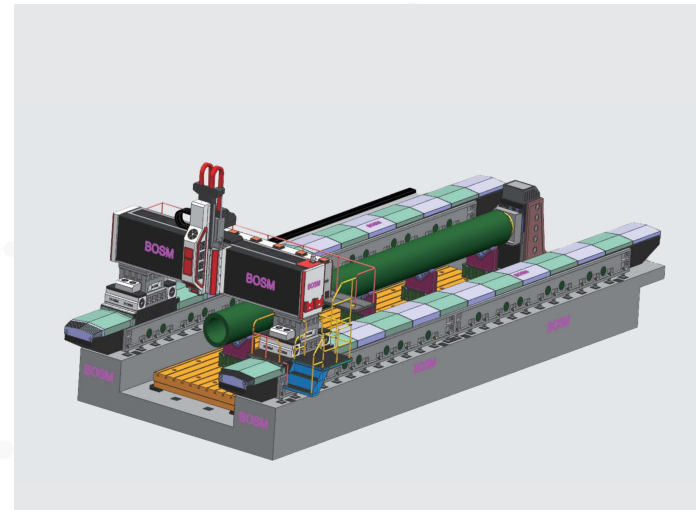
Model		BOSM-DS4040	BOSM-DS5040	BOSM-DS6040
Maximum workpiece size	Length×Width (mm)	4000×4000	5000×4000	6000×4000
Four-linear Ram Type Spindle	Spindle Taper	BT50	BT50	BT50
	Maximum Drilling Diameter (mm)	φ96	φ96	φ96
	Maximum Tapping Diameter (mm)	M36	M36	M36
	Spindle Speed (r/min)	30-3000 / 60-6000	30-3000 / 60-6000	30-3000 / 60-6000
	Spindle Power (kW)	22 / 30 / 37(Optional)	22 / 30 / 37(Optional)	22 / 30 / 37(Optional)
	Distance From the Spindle End to Worktable	Based on Foundation	Based on Foundation	Based on Foundation
Three-axis Repeatability	X/Y/Z	0.025/2000mm	0.025/2000mm	0.025/2000mm
Controller	KND/GSK/Siemens(Optional)			
Tool Magazine	Optional Okada 24 tool magazine			

BOSM-DS 5050/6060/7070/8585

Heavy-Duty CNC Drilling&Milling Machine



Gantry-Type High-Speed CNC Drilling Machine For Boiler Header Pipe



Specifications

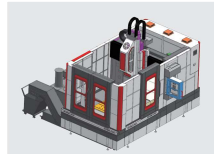
Model		BOSM-DS5050	BOSM-DS6060	BOSM-DS7070
Maximum workpiece size	Length×Width (mm)	5000×5000	6000×6000	7000×7000
Four-linear Ram Type Spindle	Spindle Taper	BT50	BT50	BT50
	Maximum Drilling Diameter (mm)	φ96	φ96	φ96
	Maximum Tapping Diameter (mm)	M36	M36	M36
	Spindle Speed (r/min)	30-3000 / 60-6000	30-3000 / 60-6000	30-3000 / 60-6000
	Spindle Power (kW)	37	37	37
	Distance From the Spindle End to Worktable	Based on Foundation	Based on Foundation	Based on Foundation
Three-axis Repeatability	X/Y/Z	0.025/2000mm	0.025/2000mm	0.025/2000mm
Controller	KND/GSK/Siemens(Optional)			
Tool Magazine	Optional Okada 24 tool magazine			

Specifications

Name	Item	BOSM-DP10090
Processing Parameters	Spindle Taper (mm)	BT50
	Max. Tapping Diameter (mm)	φ90
	Max. Working Diameter (mm)	φ100-φ1000mm
	Spindle Speed (r/min)	30-3000
	Spindle Motor Power (kW)	37
	X-axis Rapid Speed (m/min)	0-10m/min
	Z-axis Travel (mm)	600/1000mm
	Z-axis Feeding Speed (m/min)	0-5m/min
Indexing Head	Indexing Head Turning Speed (r/min)	0-5r/min
Positioning Accuracy	X/Y/Z	0.035/2000mm
Repeatability	X/Y/Z	0.025/2000mm
Indexing Accuracy	A-axis	±0.001°

Fixed-Beam High-speed CNC Drilling&Milling Machine

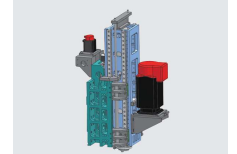
BOSM-DPH 1010/2010



Specifications

Model		BOSM-DPH1010	BOSM-DPH2010	BOSM-DPH2016		BOSM-DPH2022	BOSM-DPH2625	BOSM-DPH3022	BOSM-DPH4026
Worktable	Effective size of worktable (mm)	1000x1000	2000x1000	2000x1600		2000x2000	2500x2000	3000x2000	4000x2200
	Max. loading (kg) (equally placed)	2000	4000	6000		7000	9000	9000	10000
	T-Slot (mm)	5x20	8x20	8x28		8x28	8x28	10x28	12x28
Processing Range	Max. travel of worktable X-axis (mm)	1200	2200	2200		2000	2500	3000	4000
	Max. travel of worktable Y-axis (mm)	1200	1200	1600		2200	2600	2200	2600
	Max. travel of worktable Z-axis (mm)	500	500	600		600	600	600	600 / 1000
	Distance from Spindle End to Worktable (mm)	Max.	700	800		800	800	800	800
		Min.	200	200		200	200	200	200
Four-linear Ram Type Spindle	Spindle taper (mm)	BT40	BT40	BT50		BT50	BT50	BT50	BT50
	Spindle speed (r/min)	30~3000 / 60~6000	30~3000 / 60~6000	30~3000/60~6000		30~3000/60~6000	30~3000/60~6000	30~3000/60~6000	30~3000/60~6000
	Spindle motor power (kW)	15	15	22		22	22	22	22
	Max. drilling (mm)	Φ50	Φ50	Φ90		Φ90	Φ90	Φ90	Φ90
	Max. tapping (mm)	M24	M24	M36		M36	M36	M36	M36
Feeding	Cutting feeding speed range	1~4000	1~4000	1~4000		1~4000	1~4000	1~4000	1~4000
	Rapid speed (m/min) X/ Y/ Z	8 / 8 / 5	8 / 8 / 5	8 / 8 / 5		8 / 8 / 5	8 / 8 / 5	8 / 8 / 5	8 / 8 / 5
Repeatability	X-axis/ Y-axis/ Z-axis	0.025/2000mm	0.025/2000mm	0.025/2000mm		0.025/2000mm	0.025/2000mm	0.025/2000mm	0.025/2000mm
Weight		About 12 (t)	About 15 (t)	About 16.5 (t)		About 21 (t)	About 24 (t)	About 32 (t)	About 40 (t)

BOSM-DPH 2016/2022/2625/3022/4026



Specifications

High-Speed CNC Drilling & Milling Machine

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BOSM-DT1010

High-Speed CNC Drilling & Milling Machine

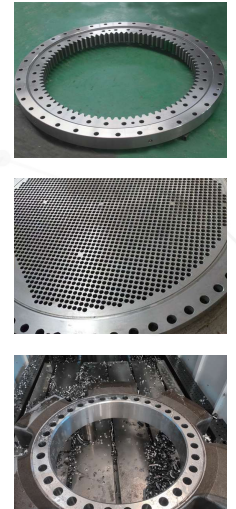


Specifications

Model BOSM-DT1010	Max. workpiece size	Length×Width (mm)	1000×1000
	Spindle	Spindle taper	BT40 / BT50
		Drilling diameter (mm)	φ40 / φ60
		Maximum tapping range (mm)	M24 / M36
		Spindle speed (r/min)	30-3000
		Spindle motor power (kW)	15 / 22
		Distance from spindle end to worktable (mm)	200-600 / 400-800
	Three-axis Repeatability	X/ Y/ Z	0.025 / 2000mm
	Weight	About 8.5t	
	Tool magazine (Optional)	Row-type tool magazine	

BOSM-DT2010

High-Speed CNC Drilling & Milling Machine



Specifications

Model BOSM-DT2010	Max. workpiece size	Length×Width (mm)	2000×1000
	Spindle	Spindle taper	BT40 / BT50
		Drilling diameter (mm)	φ40 / φ60
		Maximum tapping range (mm)	M24 / M36
		Spindle speed (r/min)	30-3000
		Spindle motor power (kW)	15 / 22
		Distance from spindle end to worktable (mm)	200-600 / 400-800
	Three-axis Repeatability	X/ Y/ Z	0.025 / 2000mm
	Weight	About 11t	
	Tool magazine (Optional)	Row-type tool magazine	

BOSM-DT1616

High-Speed CNC Drilling & Milling Machine
with Four-jaw Self-Centering Chuck



Specifications

Model BOSM-DT1616	Max. workpiece size	Length×Width (mm)	1600×1600
	Spindle	Spindle taper	BT50
		Drilling diameter (mm)	φ50
		Maximum tapping range (mm)	M24
		Spindle speed (r/min)	30-3000
		Spindle motor power (kW)	15
		Distance from spindle end to worktable (mm)	100-600
	Three-axis Repeatability	X/ Y/ Z	0.025 / 2000mm
	Weight	About 13.5t	

BOSM-DT2020

High-Speed CNC Drilling & Milling Machine
with Four-jaw Self-Centering Chuck



Specifications

Model BOSM-DT2010	Max. workpiece size	Length×Width (mm)	2000×2000
	Spindle	Spindle taper	BT50
		Drilling diameter (mm)	φ50
		Maximum tapping range (mm)	M24
		Spindle speed (r/min)	30-3000
		Spindle motor power (kW)	15 / 22
		Distance from spindle end to worktable (mm)	100-600
	Three-axis Repeatability	X/ Y/ Z	0.025 / 2000mm
	Weight	About 15t	
	Tool magazine (Optional)	Row-type tool magazine	

BOSM-DT2016

High-Speed CNC Drilling & Milling Machine



Specifications

Model BOSM-DT2016	Max. workpiece size	Length×Width (mm)	2000×1600
	Spindle	Spindle taper	BT40 / BT50
		Drilling diameter (mm)	φ40 / φ60
		Maximum tapping range (mm)	M24 / M36
		Spindle speed (r/min)	30-3000
		Spindle motor power (kW)	15 / 22
		Distance from spindle end to worktable (mm)	200-600 / 400-800
	Three-axis Repeatability	X/ Y/ Z	0.025 / 2000mm
	Weight	About 13.5t	
	Tool magazine (Optional)	Row-type tool magazine	

BOSM-DT2525

High-Speed CNC Drilling & Milling Machine



Specifications

Model BOSM-DT2016	Max. workpiece size	Length×Width (mm)	2500×2500
	Spindle	Spindle taper	BT40 / BT50
		Drilling diameter (mm)	φ40 / φ60
		Maximum tapping range (mm)	M24 / M36
		Spindle speed (r/min)	30-3000
		Spindle motor power (kW)	15 / 22
		Distance from spindle end to worktable (mm)	200-600 / 400-800
	Three-axis Repeatability	X/ Y/ Z	0.025 / 2000mm
	Weight	About 16.5t	
	Tool magazine (Optional)	Row-type tool magazine	

Light-Duty High-Speed CNC Drilling Machine



BOSM-DT1020

Light-Duty High-Speed CNC Drilling Machine



Specifications

Model BOSM-DT1020	Max. workpiece size	Length×Width (mm)	1000×2000
	Spindle	Spindle taper	BT40
		Drilling diameter (mm)	φ1-φ30
		Maximum tapping range (mm)	M16
		Spindle speed (r/min)	30-3000
		Spindle motor power (kW)	15
		Distance from spindle end to worktable (mm)	200-600
	Three-axis Repeatability	X/ Y/ Z	0.025 / 2000mm
	Tool magazine (Optional)	Row-type tool magazine	

BOSM-DT1525

Light-Duty High-Speed CNC Drilling Machine

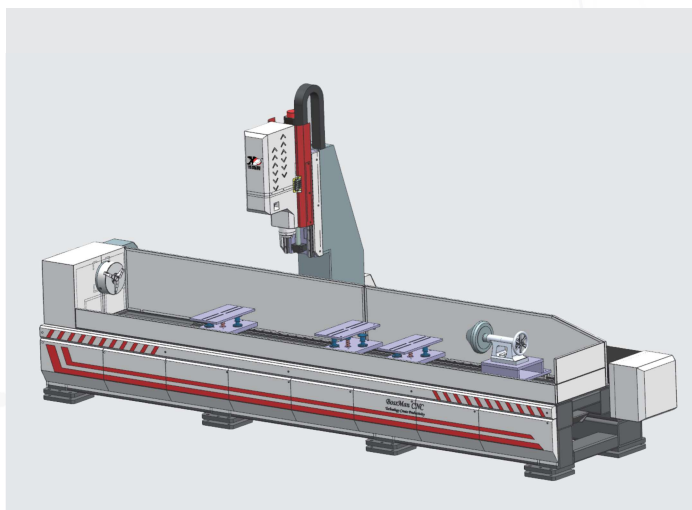


Specifications

Model BOSM-DT1525	Max. workpiece size	Length×Width (mm)	1500×2500
	Spindle	Spindle taper	BT40
		Drilling diameter (mm)	φ1-φ30
		Maximum tapping range (mm)	M16
		Spindle speed (r/min)	30-3000
		Spindle motor power (kW)	15
		Distance from spindle end to worktable (mm)	200-600
	Three-axis Repeatability	X/ Y/ Z	0.025 / 2000mm
	Tool magazine (Optional)	Row-type tool magazine	

Pipe CNC Drilling Machine

Pipe CNC Drilling Machine
BOSM-DP20020 / 30020 / 40030

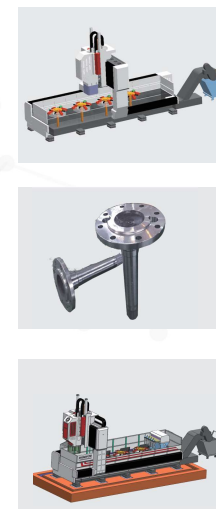


Specifications

Max. workpiece size	Length×Diameter (mm)	2000×200	3000×300	4000×300
	Max. thickness (mm)	≤5 Times Drill Diameter	≤5 Times Drill Diameter	≤5 Times Drill Diameter
Spindle	Spindle taper	BT40	BT40	BT40
	Drilling diameter (mm)	φ30	φ30	φ30
	Spindle speed (r/min)	30-3000	30-3000	30-3000
	Spindle motor power (kW)	7.5 / 15	7.5 / 15	7.5 / 15
	Distance from spindle end to chuck center (mm)	150-400	150-400	150-400
Three-axis Repeatability	X/ Y/ Z	0.025 / 2000mm	0.025 / 2000mm	0.025 / 2000mm
Weight		About 2.5t	About 4t	About 5.5t

Four-station Flange CNC Drilling Machine

BOSM-DS500



Specifications

Model BOSM-DS500	Max. workpiece size	Index circle (mm)	500
		Outer diameter (mm)	600
	Spindle	Spindle taper	BT40
		Drilling diameter (mm)	φ40
		Tapping diameter (mm)	M6-M24
		Spindle speed (r/min)	30-3000
		Spindle motor power (kW)	15
		Distance from spindle end to chuck (mm)	150-550 ±20
	Three-axis Repeatability	X/ Y/ Z	0.025/2000mm
	Weight	About 8.5t	

CNC Profile Drilling Center

BOSM-DC2605

CNC Profile Drilling Center



Specifications

Model BOSM-2605	Max. workpiece size	Length×Width (mm)	2600×500
	Spindle	Spindle taper	BT40
		Drilling diameter (mm)	φ1-φ30
		Tapping diameter (mm)	M6-M16
		Spindle speed (r/min)	30-3000
		Spindle motor power (kW)	15
		Distance from spindle end to worktable (mm)	150-650
	Three-axis Repeatability	X/ Y/ Z	0.025/2000mm
	Tool magazine	6PCS	
	Transmission Method	Screw Transmission	

BOSM-DC4505 / 6005

CNC Profile Drilling Center



Specifications

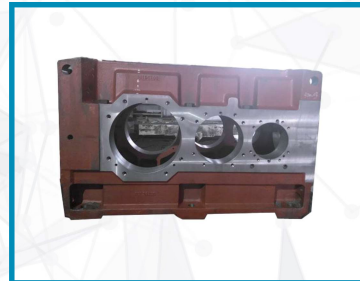
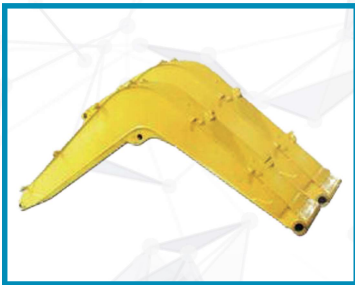
Model		BOSM-DC4505	BOSM-DC6005
Max. workpiece size	Length×Width (mm)	4000×500	6000×500
Spindle	Spindle taper	BT40	BT40
	Drilling diameter (mm)	φ3-φ26	φ3-φ26
	Tapping diameter (mm)	M6-M16	M6-M16
	Spindle speed (r/min)	30-3000	30-3000
	Spindle motor power (kW)	15	15
	Distance from spindle end to worktable (mm)	150-650	150-650
Three-axis Repeatability	X/ Y/ Z	0.025/2000mm	0.025/2000mm
Tool magazine	6PCS		
Transmission Method	Gear Transmission		

Double-Sided Boring&Milling Machining Center

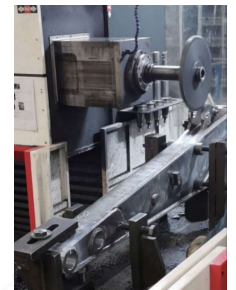
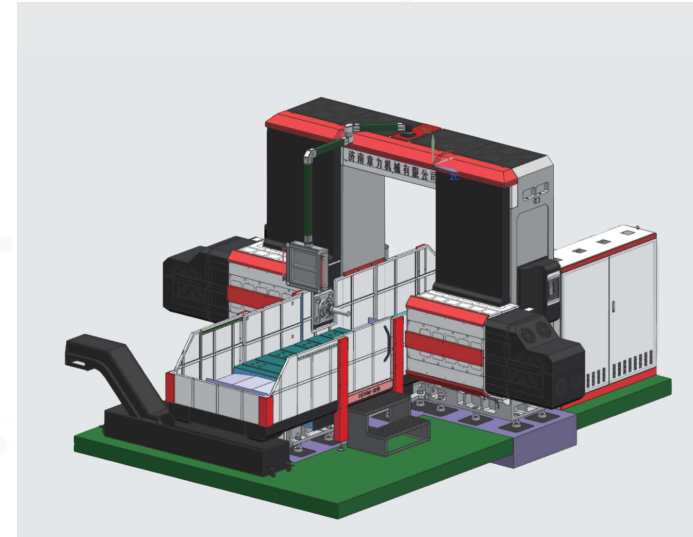
Product Brief

The double-sided boring and milling machining center is a special machine for processing excavating arms/sticks. The machine equipped with a special moving worktable and two units of horizontal rams, which can realize rapid processing of workpieces, drilling, milling, boring and other processing of the workpiece within the effective travel range, the workpiece can be processed at one time, with quick loading and unloading, fast positioning, high accuracy and high efficiency.

Application



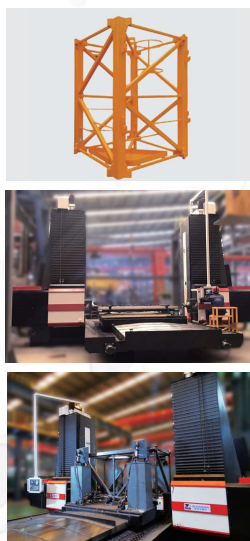
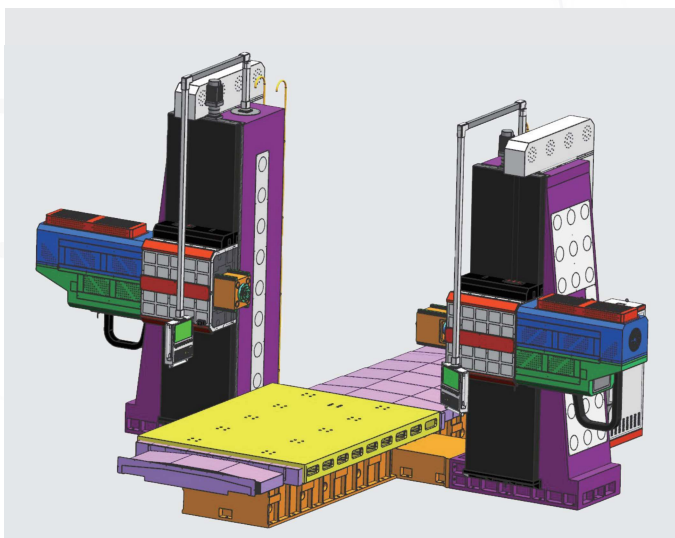
Double-Sided Boring&Milling Machining Center BOSM-DPH - I



Specifications

Double-sided Boring&Milling Machining Center	Max. workpiece size	Length×Width×Height (mm)	6000×1000×1200
	Spindle	Spindle taper	BT50
		Drilling diameter (mm)	φ2-φ60
		Tapping diameter (mm)	M3-M30
		Spindle speed (r/min)	30-6000
		Spindle motor power (kW)	37
		Distance from spindle end to worktable (mm)	300-1300
	Three-axis Repeatability	X/ Y/ Z	0.025/2000mm

Double-Sided Boring&Milling Machining Center - BOSM-DPH - II



Specifications

Double-sided Boring&Milling Machining Center	Spindle	Spindle taper	BT50
		Drilling diameter (mm)	φ2-φ60
		Tapping diameter (mm)	M3-M30
		Spindle speed (r/min)	30-6000
		Spindle motor power (kW)	37
	Three-axis Repeatability	Distance from spindle end to worktable (mm)	30-1300
		X/ Y/ Z	0.025/2000mm

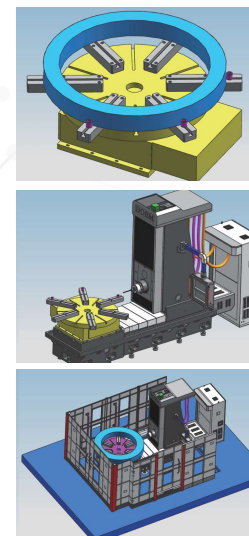
Note: The size can be customized.

Horizontal High-Speed CNC Drilling Machine



BOSM-DPH1700

Horizontal CNC High-Speed Drilling Machine

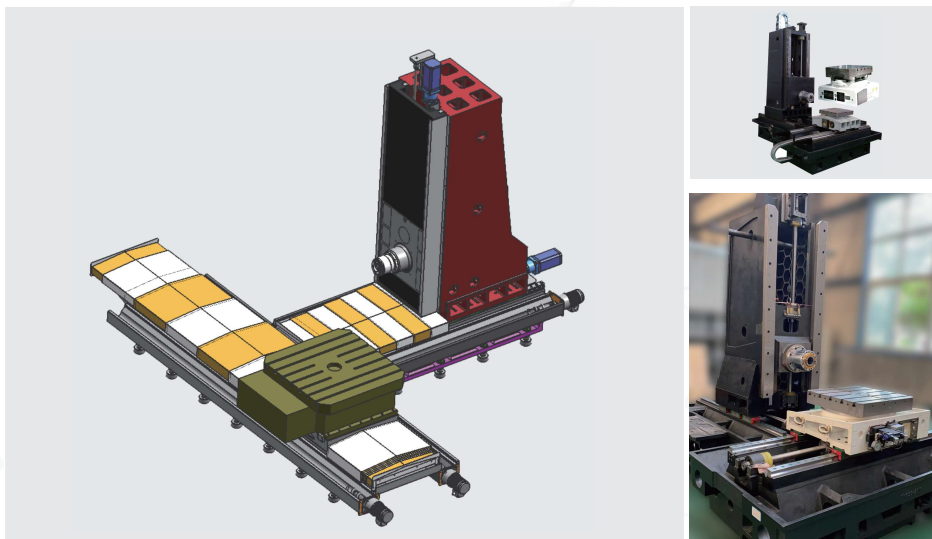


Specifications

BOSM-DPH1700	Max. Workpiece Size	Ring diameter (mm)	≤φ1700
		Spindle taper	BT50
	Drilling Power Head	Drilling diameter (mm)	φ2-φ50
		Tapping diameter (mm)	M2-M26
		Spindle speed (r/min)	3000
		Spindle motor power (kW)	15
		Distance from spindle end to worktable (mm)	440-1140
	Y/Z-axis Repeatability		0.025/2000mm
	X-axis rotation accuracy	X-axis φ1200 CNC Rotaty Table	0.001°

BOSM-DPH1000

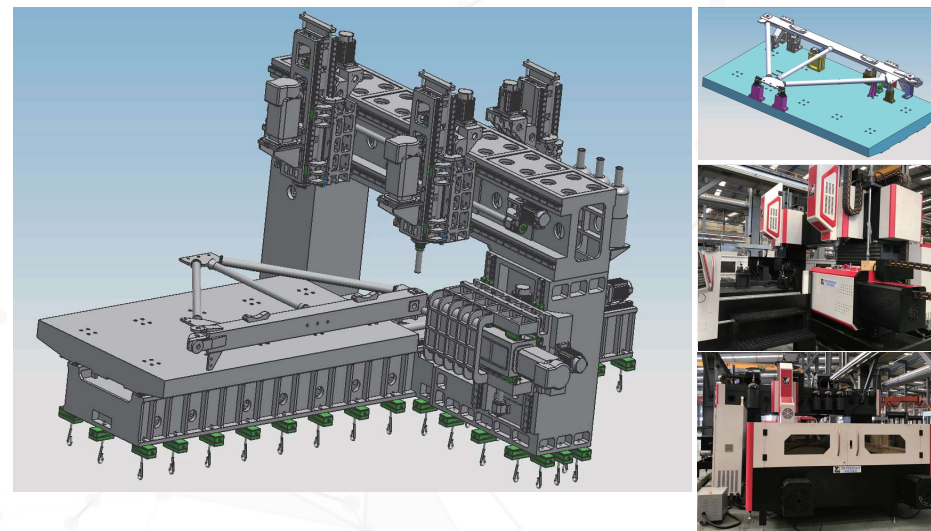
Horizontal CNC High-Speed Drilling&Tapping Machine



Specifications

Model		BOSM-DPH1000
Max. Workpiece Size	Max. turning diameter (mm)	≤φ1800
Spindle	Spindle taper	BT50
	Drilling diameter (mm)	φ2-φ50
	Spindle speed (r/min)	3000
	Spindle motor power (kW)	15
	The distance from the spindle end to the center of the worktable (mm)	250-1250
Three-axis Repeatability	X / Y / Z	0.025/2000mm
Workpiece rotation axis		0.001°
Rotation table horizontal Travel (X-axis)	Max. travel	2000
Y-axis		1000
Z-axis		1000

Customized CNC Boring&Milling Machine For Construction Machinery Parts



Specifications

Customized CNC Boring&Milling Machine for Construction Machinery Parts		
Max. workpiece size (Single power head 1)	Length × width × height (mm)	3600 × 2200 × 1000
Worktable size	Length×Width (mm)	3600×2200
Vertical ram Spindle Spindle 1 Spindle 2	Spindle taper	BT50
	Drilling diameter (mm)	φ2-φ70
	Tapping diameter(mm)	M3-M32
	Spindle speed (r/min)	30-3000
	Servo spindle motor power (kW)	22
Vertical ram Spindle Spindle 3	Spindle speed(r/min)	30-6000
	Servo spindle motor power(kW)	37
Vertical ram Spindle Spindle 4	Spindle speed(r/min)	30-3000
	Servo spindle motor power(kW)	22