



HEIDENHAIN
海 德 汉

Training Program Of HEIDENHAIN CHINA 2025

ID	Type of Course	Target Group	Duration	Place	Dates
HCNTR01	Basic Training for Conversational	NC Programmer and operator	5		
	<ul style="list-style-type: none"> 1、 Basic knowledge of TNC <ul style="list-style-type: none"> a. Operating panel and display key define b. Machine Operating Modes c. File Management d. MOD Function e. Interrupting machining, Returning f. System information g. Set Ip Address And Program Translate 2、 Plain language of HEIDENHAIN <ul style="list-style-type: none"> a. Format of program b. Contour Description c. Polar Contour Description d. Cycle for HEIDENHAIN e. Programming technology and array definition f. SL Cycle g. Touch probe cycle 3、 Expand <ul style="list-style-type: none"> a. Basic knowledge of Q parameters b. Basic knowledge of tilt plane c. TNC7 basic introduction 			<ul style="list-style-type: none"> Shanghai From 06.01.2025 to 10.01.2025 Beijing From 03.03.2025 to 07.03.2025 Dongguan From 07.04.2025 to 11.04.2025 Chengdu From 26.05.2025 to 30.05.2025 Beijing From 23.06.2025 to 27.06.2025 Dongguan From 07.07.2025 to 11.07.2025 Xian From 21.07.2025 to 25.07.2025 Shanghai From 08.09.2025 to 12.09.2025 Beijing From 13.10.2025 to 17.10.2025 Shanghai From 03.11.2025 to 07.11.2025 Chengdu From 24.11.2025 to 28.11.2025 Dongguan From 22.12.2025 to 26.12.2025 	
HCNTR02	Advanced Training for Conversator	NC Programmer and operator	5		
	<ul style="list-style-type: none"> 1、 5X machining <ul style="list-style-type: none"> a. CAD/CAM b. Postprocessing c. M128&TCPM d. 3D tool compensation e. Optimization NC program f. Kinematic Opt 2、 3+2 machining <ul style="list-style-type: none"> a. Basic Knowledge of Multiple-Axis Machine b. Plane function 3、 Programming technology <ul style="list-style-type: none"> a. Polar, point table, LBLfunction, array, bevel profile b. Help and Tips 4、 About the TNC7 <ul style="list-style-type: none"> a. TNC7 basic introduction 			<ul style="list-style-type: none"> Shanghai From 19.05.2025 to 23.05.2025 Dongguan From 22.09.2025 to 26.09.2025 Beijing From 08.12.2025 to 12.12.2025 	



HEIDENHAIN
海 德 汉

Training Program Of HEIDENHAIN CHINA 2025

ID	Type of Course	Target Group	Duration	Place	Dates
HCNTR03	Electrical Installation, Parameter	OEM	5		
	1. Basic Knowledge of NC Program and operation			Shanghai	From 17.03.2025 to 21.03.2025
	2. Installation and wiring of TNC			Beijing	From 14.07.2025 to 18.07.2025
	3. pin Definition and interface of system drive and power module			Shanghai	From 15.12.2025 to 19.12.2025
	4. External emergency stop circuit				
	5. Machine Parameters				
	6. Servo system debugging and optimization				
	7. setting of nominal position filter				
	8. Data transmission and backup				
HCNTR04	PLC Programming	OEM	5		
	1. Basic Knowledge of NC Program and operation			Shanghai	From 24.02.2025 to 28.02.2025
	2. Connector Designation and Layout			Beijing	From 11.08.2025 to 15.08.2025
	3. PLC Software Tools Instruction			Shanghai	From 20.10.2025 to 24.10.2025
	4. PLC Program Structure Generate Document and Running				
	5. Conventions for the Symbolic Operands PLC Module and Operands				
	6. M function				
	7. Automatic Tool Changer and Typical Tool Magazine Introduce				
	8. PLC Programming Practice				
HCNTR05	Electrical Installation, Parameters / PLC Programming	OEM	5		
	1. Basic Knowledge of NC Program and operation			Dongguan	From 24.04.2025 to 28.06.2025
	2. Installation and wiring of TNC			Dongguan	From 16.06.2025 to 20.06.2025
	3. External emergency stop circuit			Dongguan	From 01.09.2025 to 05.09.2025
	4. Machine Parameters			Dongguan	From 01.12.2025 to 05.12.2025
	5. Servo system debugging and optimization				
	6. PLC Software Tools Instruction				
	7. PLC Program Structure Generate Document and Running				
	8. Conventions for the Symbolic Operands PLC Module and Operands				
	9. Writing and processing of alarm text				
HCNTR06	Service and Diagnosis	Service Engineer	5		
	1. Basic Knowledge of NC Program and operation			Beijing	From 12.05.2025 to 16.05.2025
	2. Data Transfer and Backup			Shanghai	From 30.06.2025 to 04.07.2025
	3. Machine Parameters			Dongguan	From 28.07.2025 to 01.08.2025
	4. Mounting and Electrical Installation			Chengdu	From 18.08.2025 to 22.08.2025
	5. Integrated Oscilloscope			Xian	From 15.09.2025 to 19.09.2025
	6. Drive fault diagnosis function			Shanghai	From 17.11.2025 to 21.11.2025
	7. Error Message				



HEIDENHAIN
海 德 汉

Training Program Of HEIDENHAIN CHINA 2025

ID	Type of Course	Target Group	Duration	Place	Dates
	8. PLC Programming 9. Encoder Diagnosis Introduce				
HCNTR07	Encoder Product Training	Service Engineer	3		
	1. LC, LB, ERM/ERA, RON/RCN Install, Diagnosis device, Faults and Maintenance 2. LC1xx Linear Encoder Install and Practice 3. LC4xx Linear Encoder Install and Practice 4. ERM Angle Encoder install, Signal Commissioning and Practice 5. LB Linear Encoder Install and Practice 6. PWM9, PWT Diagnosis Device Usage 7. Practical training of instrument testing application 8. ERA Angle Encoder install, Signal Commissioning and Practice 9. RON/RCN Angle Encoder install, Signal Commissioning and Practice 10. Analysis and solution of common faults of measurein products			Beijing Shanghai Dongguan	From 11.06.2025 to 13.06.2025 From 06.08.2025 to 08.08.2025 From 29.10.2025 to 31.10.2025
HCNTR08	TNC7 Transfer Course Training	OEM and Enduser	3		
	1. About the TNC7 2. Programming, cycle for OCM, graphical programming 3. Probing in the Manual operating mode 4. Automatic touch probe cycles. 5. Simulation, program run 6. Process monitoring 7. Help, tips, and tricks			Shanghai Beijing Dongguan	From 04.06.2025 to 06.06.2025 From 27.08.2025 to 29.08.2025 From 12.11.2025 to 14.11.2025
HCNTR09	Customized Training				
	By the request, HEIDENHAIN CHINA provide the service for the TNC control at customers on-site training.				



HEIDENHAIN
海 德 汉

Training Program Of HEIDENHAIN CHINA 2025

Training address and contact information

Dr. Johannes HEIDENHAIN (China) Co., Ltd.

Beijing Address: No. 6, Tianwei 3rd Street, Area A, Tianzhu Airport Industrial Zone, Shunyi District, Beijing

Beijing: 010-80420077 Fax: 010-80420030

Shanghai Branch

Shanghai Address: Building No.5, No. 308 Xumin Road, Xujing Town, Qingpu District, Shanghai

Shanghai: 021 60762000-6055 Fax: 021 6076 2000-6515

Dongguan Office

Dongguan Address: No. 99 Maoshan East Road, Chang'an Town, Dongguan City, Guangdong Province

Dongguan: 0769 8115 8071

Chengdu Authorized Training Center

Chengdu Address: Chengdu Aeronautic Polytechnic, No. 699 Checheng Dongqi Road, Longquanyi District, Chengdu

Chengdu: 028-88469521

Xi'an Authorized Training Center

Xi'an Address: 555 Caotan 9th Road, Xi'an Economic and Technological Development Zone

Building A3-2, 1st Floor, Yuanwang Grain Networking Industrial Base

Xi'an : 029 8618 6239

E-mail: training@heidenhain.com.cn



Follow Heidenhain WeChat public accounts for more information