

Spec. modification sheet	(Spec. change)	NTX25181202	NO. 6	1 / 4 (1)	Date of issue 2018/07/05 Time 09:54:03 Change date 2018/07/04 Time 17:30:21	
Model	NTX2500Ge2/1500SZ				J50400-10002-01	Management document
S/N	NTX25181202				SERIES_NO	
Control	F31iB5					
1st. Process	2018/11/05					Iga Assembly P
Customer	640667					
Customer	K-MK					
Destination	POLAND					Production Fix Date
Ex-Factory	2018/12/12					Destination ANTWERP
Run-Off						Receipt order date 2018/07/03
Run-off preparation		HNo.				Destination for Export
Days for run-off						
Reassign To		Completion date				
LoaderS/N		Japan delivery				Installation Place
Order design No.	B1805-0712-01	Transport				
¶Selective Spec.₂		[Modified]			[Pre-modified]	
NC SYSTEM MAKER		FANUC				
NC SYSTEM		FS-31IB5				
MAPPS		MAPPS 5				
OPERATION PANEL TYPE		ERGOLINE TOUCH(21.5+15.6)				
VOLTAGE OF CUSTOMER'S FACTORY (V)		380 V				
FREQUENCY (HZ)		50 HZ				
SETTING UNIT		MM				
DESTINATION STANDARD		EUROPE EN COMPATIBLE				
EXPORT TRADE CONTROL ORDER		APPLIED				
RELEASE TYPE OF RELOCATED MACHINE SECURITY FUNCTION		PASSWORD				
PAINT COLOR		CALCITE WHITE (ALL MID STRUCTURE)				
DOOR COLOR PLATE		BLACK				
LANGUAGE ON NAME PLATES		POLISH				
LANGUAGE OF INSTRUCTION MANUAL		ENGLISH				
LANGUAGE OF MACHINE MANUAL		POLISH				
NOMINAL BED LENGTH		1500 MM				
SPINDLE (SPINDLE 1) OUTPUT (KW)		STANDARD (18.5/15 KW)				
SPINDLE (SPINDLE 1) SPEED (MIN-1)		4000 MIN-1				
SPINDLE (SPINDLE 1) THROUGH-SPINDLE HOLE DIA. (MM)		91 MM DIA.				
SPINDLE (SPINDLE 1) CHUCK TYPE		HOLLOW CHUCK (10") (CHUCK BODY UNNECESSARY)				
SPINDLE (SPINDLE 1) CHUCK MANUFACTURER		KITAGAWA				
SPINDLE (SPINDLE 1) CHUCK CYLINDER STROKE CHECK		STROKE END DETECTION				
TURNMASTER (SPINDLE 1)		PROVIDED				
SPINDLE HOLE TAPER		C6				
SPINDLE 2		PROVIDED				
SPINDLE 2 OUTPUT (KW)		STANDARD (18.5/15 KW)				
SPINDLE 2 SPEED (MIN-1)		4000 MIN-1				
SPINDLE 2 THROUGH-SPINDLE HOLE DIA. (MM)		91 MM DIA.				
SPINDLE 2 CHUCK TYPE		HOLLOW CHUCK (10") (CHUCK BODY UNNECESSARY)				
SPINDLE 2 CHUCK MANUFACTURER		KITAGAWA				
@ SPINDLE 2 TAILSTOCK		PROVIDED			- - NONE	
SPINDLE 2 CHUCK CYLINDER STROKE CHECK		STROKE END DETECTION				
TURNMASTER (SPINDLE 2)		PROVIDED				
TURRET (TURRET 1) Y-AXIS		PROVIDED				
TURRET (TURRET 1) MILLING FUNCTION		PROVIDED				
TURRET (TURRET 1) ROTARY TOOL SPINDLE SPEED (MIN-1)		20000 MIN-1				
TURRET (TURRET 1) ROTARY TOOL SPINDLE CS CONTROL		PROVIDED				
TURRET (TURRET 1) B-AXIS INDEX ANGLE		FULL INDEXING SPECIFICATIONS				
COMPACTMASTER		PROVIDED				
TURRET 2		PROVIDED				
					(Workflow No) CHE0005496	
(Confirmation) Masami Watanabe		(SalesPerson) Masato Umekita		(Master No.)		
(Change history) 6, 5, 4, 3, 2, 1, 0,				Receipt order)		

Spec. modification sheet	(Spec. change)	NTX25181202	NO. 6	2 / 4 (2)	Date of issue 2018/07/05 Change date 2018/07/04	Time 09:54:03 Time 17:30:21
‡Selective Spec.‡			[Modified]		[Pre-modified]	
TYPE OF TURRET 2			12 STATIONS			
TURRET 2 TOOL MOUNTING METHOD			BY BOLTS			
TURRET 2 SHANK HEIGHT FOR SQUARE TOOL (MM)			20 MM			
TURRET 2 TAILSTOCK			PROVIDED			
TAILSTOCK			UNNECESSARY			
TOOL STORAGE CAPACITY			76			
TOOLSTAR			PROVIDED			
CHIP CONVEYOR			PROVIDED			
CHIP DISPOSAL DIRECTION			RIGHT DISPOSAL TYPE			
CHIP CONVEYOR TYPE			HINGE+DRUM			
COOLANT SYSTEM			HIGH-PRESSURE (635 W/1040 W)			
TOOL SPINDLE THROUGH COOLANT SYSTEM			PROVIDED			
COOLANT GUN			PROVIDED			
SUPER HIGH-PRESSURE COOLANT SYSTEM			KNOLL I/F FOR DUAL CONTROL SYSTEM			
SPINDLE1 CHUCK UPPER SIDE COOLANT SYSTEM			PROVIDED			
SPINDLE2 CHUCK UPPER SIDE COOLANT SYSTEM			PROVIDED			
COOLANT			WATER-SOLUBLE COOLANT			
SPINDLE (SPINDLE 1) CHUCK AIR BLOW			PROVIDED			
SPINDLE 2 CHUCK AIR BLOW			PROVIDED			
(SPINDLE 1) IN-MACHINE TOOL PRESETTER			MANUAL (DETACHABLE)			
IN-MACHINE WORK MEASURING (TURRET 1)			PROVIDED			
IN-MACHINE WORK MEASURING SYSTEM (TURRET 1) TYPE			RMP60			
CALIBRATION BALL FOR TURN AXIS CENTER CORRECTION			PROVIDED			
3D QUICK SET			PROVIDED			
BAR FEEDER			INTERFACE ONLY			
BAR FEEDER MANUFACTURER			LNS			
BAR FEEDER SPECIFICATIONS			MULTIPLE-BAR BAR FEEDER			
ROBOT INTERFACE			ETHERNET/IP			
B-AXIS SCALE			MAGNESCALE			
X-AXIS SCALE			MAGNESCALE			
Y-AXIS SCALE			MAGNESCALE			
Z-AXIS SCALE			MAGNESCALE			
TURRET 2 Z-AXIS SCALE			MAGNESCALE			
TURRET 2 X-AXIS SCALE			MAGNESCALE			
SIGNAL LIGHT			4-TIER TOWER (RED,YELLOW,GREEN,BLUE)			
CHUCK FOOTSWITCH			TWIN			
MIST COLLECTOR			INTERFACE (200 MM DIA. DUCT ONLY)			
@ COUNTER SPINDLE TIP			NONE			
STEADY REST			AUTOMATIC CENTERING STEADY REST (FIXED AT TURRET2)			
AUTOMATIC CENTERING STEADY REST TYPE			SLUX2 (SMW)			
STEADY REST UNIT(SMW)			PROVIDED			
AUTOMATIC DOOR			PROVIDED			
SIMULTANEOUS 5 AXIS CONTROLL			PROVIDED			
MULTI DRY FILTER			PROVIDED			
NUMBER OF EXTERNAL M CODES			10			
AUTOMATIC POWER SHUTOFF			PROVIDED			
MANUAL PULSE HANDLE POSITION			SEPARATELY INSTALLED			
STEP-DOWN TRANSFORMER			UNNECESSARY			
STEP-DOWN TRANSFORMER CABLE			PROVIDED			
CONTROL BOX MAKER			M-TEC			
ETHERNET/IP			PROVIDED			
HUB			5 PORTS			
INTERLOCK RELEASE TYPE			ID TYPE			
NUMBER OF SMART KEY (MODE1)			1			
NUMBER OF SMART KEY (MODE2)			1			
TOOL MANAGEMENT SYSTEM			PROVIDED			
LANGUAGE ON NC SCREEN			POLISH			
LANGUAGE ON SCREEN			POLISH			
PROGRAMMING RESOLUTION MULTIPLIED BY 1/10			PROVIDED			
SPIRAL/CONIC INTERPOLATION			PROVIDED			

Spec. modification sheet	(Spec. change)	NTX25181202	NO. 6	3 / 4 (3)	Date of issue 2018/07/05 Time 09:54:03 Change date 2018/07/04 Time 17:30:21
[¶] Selective Spec. ₂ TOOL CENTER POINT CONTROL WORKPIECE SETTING ERROR COMPENSATION REMOTE COMMUNICATION FUNCTION USER MEMORY AREA(BUILT-IN MAPPS) NUMBER OF TOOL OFFSET PAIRS THREE DIMENSIONAL TOOL DIAMETER COMPENSATION NUMBER OF WORK COORDINATE SYSTEM PAIRS ADDITION OF OPTIONAL BLOCK SKIP PROGRAM RESTART CHAMFERING/CORNER R PROGRAMMABLE DATA INPUT NUMBER OF CUSTOM MACRO COMMON VARIABLES AI CONTOUR CONTROL G CODE SYSTEM POCKET WITH ISLAND AND OPEN POCKET OPTION HI-SPEED CANNED CYCLE OPTION DIAMETER/RADIUS DYNAMIC EXCHANGE TILTED WORKING PLANE COMMAND NANO SMOOTHING GEAR SKIVING GEAR HOBBING EXCENTRIC MACHINING MULTI THREADING ALTERNATING SPPED INTERPOLATION TURNING TOOL LIFE MANAGEMENT NUMBER OF TOOL LIFE MANAGEMENT (MORI) LOAD MONITOR MPC CELOS CLUB CLOUD SERVICE (5 YEARS) MAPPS MTCONNECT ADAPTER DMG MORI MESSENGER MACHINE OPTION		[Modified] PROVIDED PROVIDED FAST DATA SERVER (100BASE-TX) 6 GB 240 PROVIDED 300 SOFT-KEY TYPE PROVIDED PROVIDED PROVIDED 600 2 A PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED PROVIDED B MAX. 120 PAIRS * 8 B PROVIDED NON-USE NON-USE PROVIDED PROVIDED	[Pre-modified]		
[Parts No.] <Qty> <Parts No.:Name> <Previous> Parts No.					
[¶] CYLINDER TYPE1 ₂ [Modified] SR1781C21 [¶] CYLINDER TYPE2 ₂ [Modified] SR1781C21		[Pre-modified]			
[¶] boxB(B)·Manual(M) ₂ [Modified]		[Pre-modified]			
B	1 Interface for Safety fence			1 Interface for Safety fence	
B	0 (electric Interface)			0 (electric Interface)	
B	1 MAPPS Tool management system for NT			1 MAPPS Tool management system for NT	
B	1 shower coolant (additional			1 shower coolant (additional	
B	0 nozzles and size up the coolant pump)			0 nozzles and size up the coolant pump)	
B	1 Through tool spindle air blow			1 Through tool spindle air blow	
B	0 (Lubricator is added, spindle can			0 (Lubricator is added, spindle can	
B	0 rotate, switching with coolant)			0 rotate, switching with coolant)	
[boxC]					
	(Parts NO.) (Ver.) (Qty.) (Name)	(Alias)	(Type)		
	E61677 A01 1 KEY	SMART KEY MODE MASTER MODE	402056		
	I97101 A28 1 CONVERSATIONAL PROGRAMMING SOFTWARE	MORI-APNT	5037072		
	I97362 B01 1 CELOS PC-VERSION	CELOS PC-Version (Product Edition)	5073569		
[Direction] Isewan Nagoya Full Crate					
[¶] Comment ₂ 3D data model					
[¶] <Previous> Comment ₂					

Spec. modification sheet	(Spec. change)	NTX25181202	NO. 6	4 / 4 (4)	Date of issue 2018/07/05 Time 09:54:03 Change date 2018/07/04 Time 17:30:21
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3D data model