



Type: ATC Multitasking Machine
Machine Model: MX-100
Tagline (Slogan): Flexibility and Compact Floor Space
Feature:

MX-100 is an ATC multitasking machine equipped with a lower turret, which enables a wide range of machining methods.

Despite being in the 6-inch class, the machine size has been made more compact and the machining area has been widened. The distance between spindles is 1,000 mm, and X-axis travel up to 50 mm below spindle center. Y-axis travel ±105 mm.

The machine can be equipped with 36 ATC tools as standard, and up to 48 or 72 tools as optional.

	Ø51 mm	Ø65 mm (op.)
Max turning diameter	305 mm	
Max turning length	834 mm	
Distance between spindles	max. 1.000 mm / min. 230 mm	
Bar capacity (Ø)	51 mm	65mm (only L)
Chuck size	6", 8"	
Spindle speed	6.000 mm ⁻¹	4.500 mm ⁻¹
Left Spindle motor	11 / 7.5 kW	15 / 11 kW
Right Spindle motor	11 / 7.5 kW	-



Type: ATC Multitasking Machine
Machine Model: JX-200
Tagline (Slogan): Change the IMPOSSIBLE to POSSIBLE
Feature:

The concept is an ATC multitasking machine that generates good products stably with high accuracy regardless of materials and shapes. The new ATC multitasking machine "JX-200" is equipped with the world's shortest tool spindle in its class, named "NT Smart Cube". Thanks to the compact tool spindle, a wider machining area is ensured. This machine corresponds with several machining methods such as simultaneous upper/lower machining, simultaneous machining on L/R spindles and center support with the lower turret in the combination of the tools spindle and the lower turret. The new design focuses on rigidity, including optimization of the center of gravity of the tool spindle column.

- Equipped the world's shortest tool spindle "NT Smart Cube" in its class
- Tool spindle motor output: 15 / 11 kW
- Tool spindle speed: 12.000 min⁻¹ op. 18.000 min⁻¹
- Number of ATC tools: 80 pcs op. 40, 120 pcs
- Milling motor output on a lower turret: 5.5 / 3.7 kW
 - The lower turret is equipped with milling and Y-axis as standard
 - Milling speed: 6.000 min⁻¹ op. 8.000 min⁻¹
- Increased stability thanks to a heavy-duty column structure
- Floor space: 2.925x5.250 mm (incl. a standard coolant tank)
- Enriched software line-ups

	Ø51 mm	Ø65 mm (op.)	Ø80 mm (op.)
Max turning diameter	325 mm / 255 mm		
Max turning length	1.058 mm		
Distance between spindles	max. 1.250 mm / min. 240 mm		
Left Bar capacity (Ø)	-	65 mm	80 mm (op.)
Right Bar capacity (Ø)	51 mm	65 mm	80 mm (op.)
Chuck size	6", 8"		
Spindle speed	6.000 mm ⁻¹	4.500 mm ⁻¹	3.500 mm ⁻¹
Left Spindle motor	-	15 / 11 kW	18.5 / 15 kW
Right Spindle motor	11 / 7.5 kW	11 / 7.5 kW	-





Type: ATC Multitasking Machine

Machine Model: JX-250

Tagline (Slogan): In pursuit of genuine Multitasking

Feature:

Our specialty is high-precision multitasking machines, and JX-250 is one of the ATC multitasking machine series with a compact tool spindle "Smart Cube". JX-250 has opposed twin spindles and the ATC tool spindle. In addition, JX-250 can accommodate two lower turrets in maximum (the second turret is option). With the distance of 1.850 mm between L/R spindles and the compact tool spindle of 349.1 mm in height, the machine ensures a large machining area and is capable of machining long products. JX-250 has several unique points worth mentioning. One of them is the "crossover travel." When two turrets are located in facing each other, one turret usually cannot move beyond the origin of the other turret. In the case of the JX-250, however, when one turret leaves from the reference position, the other turret can move beyond the reference position. This unique axis movement is called "crossover travel," which enables the simultaneous machining on the left spindle with the tool spindle and the lower left turret, while the lower right turret is doing the center support. Milling and Y-axis functions are standard. The Y-axis stroke of the tool spindle is ±125 mm, and the maximum milling speed is 20,000 min⁻¹ (op). Inheriting our characteristic rigidity, the machine can be equipped with 40 ATC tools as standard and up to 80 or 120 tools as an option.

	Ø65 mm	Ø71 mm (op.)	Ø80 mm (op.)
Max turning diameter	320 mm		
Max turning length	1.650 mm		
Distance between spindles	max. 1.850 mm / min. 300 mm		
Bar capacity (Ø)	65 mm	71 mm	80 mm (op.)
Chuck size	8"		10"
Spindle speed	4.500 mm ⁻¹	4.500 mm ⁻¹	3.500 mm ⁻¹
Left Spindle motor	15 / 11 kW, 18.5 / 15 kW (op.)		18.5 / 15 kW
Right Spindle motor	15 / 11 kW		-



Type: ATC Multitasking Machine

Machine Model: NTRX-300

Tagline (Slogan): Anyone, Quick, Easy

Feature:

This machine secures a machining range of 250 mm square (-125 mm in the X-axis direction/±125 mm in the Y-axis direction) from the center of the spindle, enabling high-precision milling on the face over a wide range. Also, the vertical positioning of the slide ensures that the load is evenly applied to the bed, resulting in more stable machining. In addition, the thermal displacement compensation system "NT Thermo Navigator AI" suppresses thermal changes over time. This makes it possible to perform stable and even higher precision machining. Nakamura-Tome's multitasking machines not only pursue high machining capacity, but also are designed with "high rigidity" and "high accuracy".

- Selectable from R-spindle or Tailstock
- ATC tool spindle motor 22 / 15 kW
Tool spindle speed 8,000 min⁻¹ (op. 12,000 min⁻¹)
- Number of tools 40 (op. 60, 80, 120)
- X-axis travel below spindle center is 125 mm
Y-axis travel is +/-125 mm from the spindle center.
- The slides, having a vertical column structure, are mounted on a high rigidity horizontal machine bed with low gravity design.
- Floor space: 4.460x2.670 mm (NTRX-300), 5.440x2.670 mm (NTRX-300L)
- Large variety of software

	Ø65 mm	Ø71 mm (op.)	Ø80A mm / Ø80B mm (op.)	Ø90mm (op.)
Max turning diameter	640 mm			
Max turning length	1.100 mm			
Distance between spindles	max. 1.325 mm / min. 250 mm			
Distance between centers	max. 1.225 mm / min. 125 mm			
Bar capacity (Ø)	65 mm	71 mm	80 mm	90 mm (only L)
Chuck size	8", 10"			
Left Spindle speed	4.500 mm ⁻¹	3.500 mm ⁻¹ / 2.500 mm ⁻¹		2.500 mm ⁻¹
Right Spindle speed				-
Spindle speed	15 / 11 kW, 22 / 18.5 kW (op.)		22 / 18.5 kW (op.)	

