KITAMURA®
Machining Challenges-Simplified®

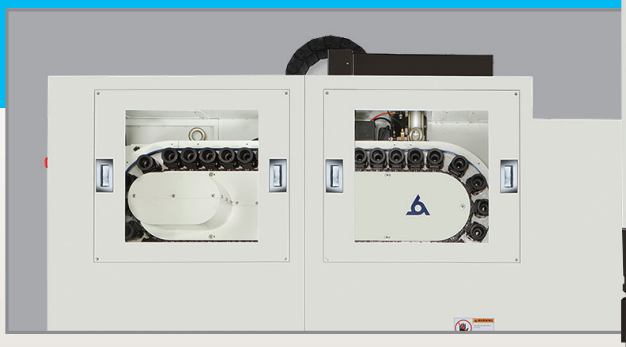
EASY DOES IT!

We've made complex parts machining more affordable than ever. This 5-axis trunnion machining center is designed & built using Kitamura's proven trunnion technology. It delivers the accuracy, performance and reliability to meet today's growing demand for complex components processing. The generous work envelope houses a rigid factory installed tilting trunnion table and powerful 35hp spindle that stand up to rigorous cuts in today's tough materials.

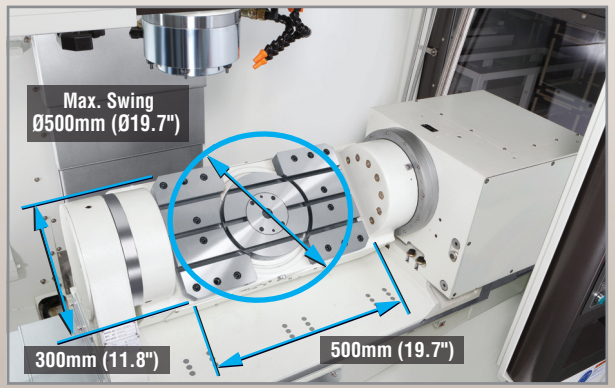
Mycenter®-3XT
5-Axis Vertical Machining Center

Check these important benefits:

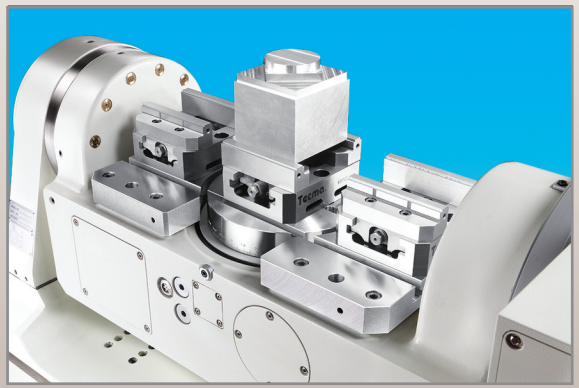
- Multiple surface machining in a single set-up
- Single work fixturing maintains geometries – ensures optimum accuracy
- Minimize the need for additional machines required for secondary operations
- Reduce Floor Space and Overall Operating Costs

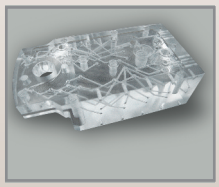


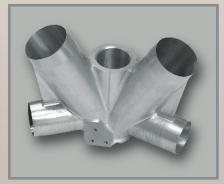
*The high-performance ATC holds **40 tools** and provides "operator-friendly" accessibility for easy tool loading.*



Machine multiple surfaces in one set-up with the Mycenter-3XT's 5-axis machining capability. Easy and expansive table access streamline and simplify workpiece loading and unloading for larger diameter parts at the same time offering flexibility in fixture set-up for smaller part processing.







The integrated trunnion table offers the rigidity, accuracy and stability needed to productively machine complex part geometries. For those accustomed to 3-axis machining, the built-in table design of the tilting trunnion allows for high tech, high precision parts to be machined simpler and easier with less handling.

Arumatik®-Jr CNC Controller

The **Mycenter-3XT** is equipped with the latest, ultra-high speed, feature-packed Kitamura Arumatik®-Jr CNC Control, designed specifically for high quality machining with smoother finishes and faster performance.

Super Smooth Surface (SSS) control ensures high machining stability and quality resulting in optimum accuracy at higher feed rates, shortening machining time up to 30%. A variety of components such as complicated **medical** parts, **automotive** aluminum castings and tougher **aerospace** components can be machined consistently and in the shortest time possible.

Mycenter®-3XT SPECIFICATIONS

Table	
Rotary Table Size with Full Table Length	Ø220mm (Ø8.7") 300 x 500mm (11.8" x 19.7")
Maximum Work Size (Dia. x H)	Ø500 x 255mm (Ø19.7" x 10.0")
Maximum Work Weight	150kg / 0~45° Tilt, 85kg / 0~90° Tilt (330 lbs / 0~45° Tilt, 187 lbs / 0~90° Tilt)
Travels	
X-Axis Travel	780mm (30.7")
Y-Axis Travel	510mm (20.1")
Z-Axis Travel	439mm (17.3")
A-Axis Travel (Tilt)	- 120 ~ +40°
C-Axis Travel (Rotate)	0 to 360°
Spindle	
Spindle Taper	#40 NST
Spindle Speed	12,000min^{-1} NRG Belt Drive
Spindle Motor	26kW (35HP AC/Peak)
Feed	
Rapid Feed X, Y	48m/min (1,890ipm)
Rapid Feed Z	42m/min (1,654ipm)
Cutting Feed X, Y, Z	20m/min (787ipm)
Rapid Feed (A, C-Axes)	4,800 deg/min (13.3 min^{-1})
ATC	
Tool Storage Capacity	40 Tools - CT40
Tool Selection Method	Memory Random
Max.Tool Size (Dia. x L) (With Adjacent Pots Empty)	Ø75 x 250mm (Ø3.0" x 9.8") Ø150 x 250mm (Ø5.9" x 9.8")
Max. Tool Weight	7kg (15.4 lbs.)
Tool Change Time (T-T / C-C)	2.5 seconds / 5.2 seconds minimum
Machine Dimensions	
Floor Space W x D	3,096 x 2,293mm (121.9" x 90.3")

Control Standard Features

- Simultaneous 4-Axis Control
- 675 Block Look-Ahead High-Speed, High-Accuracy Control
- Workpiece Coordinate System – 54 Sets
- Coordinate System Rotation
- Custom Macro Variables, 700 Pieces
- Inverse Time Feed
- Tool Offset Pairs 400 Pairs, 6 Digits
- 3-Dimensional Tool Radius Compensation
- High Speed Skip
- Thread Cutting
- Rigid Tapping
- Small Diameter Deep-Hole Drilling
- Deep-Hole Tapping Cycle
- Scaling
- Helical Interpolation
- Polar Coordinate Command
- Corner Chamfering / Corner Rounding

KITAMURA®
Machining Challenges-Simplified®

Kitamura Machinery Co., Ltd. (Headquarters) www.kitamura-machinery.co.jp TEL: (0766) 63-1100 FAX: (0766) 63-1128
Kitamura Machinery of U.S.A., Inc. (Chicago) www.kitamura-machinery.com TEL: (847) 520-7755 FAX: (847) 520-7763
Kitamura Machinery GmbH (Düsseldorf) www.kitamura-machinery.eu TEL: (0211) 65-6077 FAX: (0211) 904-7916

PRINTED IN USA 08/16