

JIMTOF 2026



Image Processing

- Direct control
- Illumination and high-speed camera recording
- Flatness, Measurement, Recognition and Processing
- Heat control



Laser Technology

- Cutting and welding
- Fiber, CO



Control technology

- Manless systems
- Motion, NC, Safety
- Tension control
- Heat control software



Machine technology

- Durable and quality-consistent construction
- Transfer variations
- Highly reliable spindles
- Pressing technology
- High precision and rigidity



High-speed processing

- High-speed logging 1msec
- LCM, Roll to Roll
- Pre-processing route calculation
- High-speed processing display
- High-speed recording



A proven track record

- C auto industry processing line
- 3D Manufacturing
- Reliability Improvement Activities
- Prevention and "Plus 1" Activities
- Rebuild System

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Integrated technologies

Komatsu NTC Engineering Excellence

Mechanical
TechnologyControl
TechnologyLaser
TechnologyImage
Processing
TechnologyRobotics
TechnologyDigital
Technology

Supporting Industries & Everyday Life Worldwide

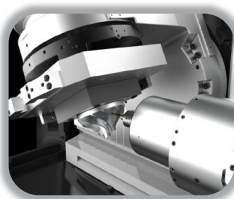


■ Needs-Driven Manufacturing

- Leveraging Image Processing systems and Robotics for Automotive, Battery, and Semiconductor Manufacturing Equipment

Horizontal 5-Axis
Machining Center**CX500**

XYZ Travel: 800 × 800 × 900 mm
Maximum Spindle Speed: 20,000 min⁻¹
Spindle Taper: HSK-A63
Tool Capacity: 60 Tools (Optional: 102 Tools)



■ Efficiency through Unattended Operation and Automated Measurement

- Optional pallet system expandable in 2-column, 2-tier or 2-column, 3-tier configurations
- In-pallet measurement system improves operator efficiency and productivity
- Optimal measurement items proposed according to the workpiece requirements

Service & Maintenance

Ensuring Continuous Production
for Our CustomersPreventive
MaintenanceRapid
ResponseFast Parts
SupplyQuality
Assurance

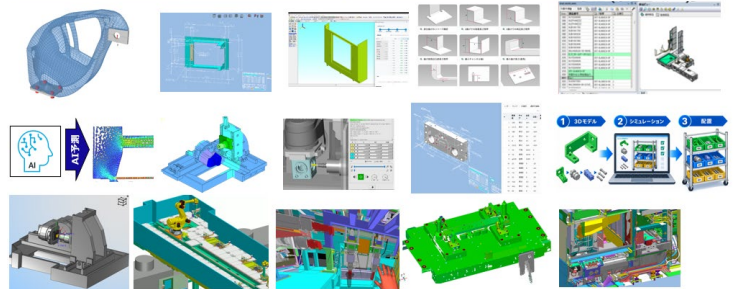
Manufacturer-Backed Safety & Reliability

Utilizing Digital Technologies

Concept
DesignDetailed
Design

Procurement

Assembly



■ Digitally Connected Manufacturing

- Leveraging Digital Technologies from Concept Design to Assembly

Friction Stir Welding
(FSW) Machine**NW300M**

XYZ Travel: 500 × 500 × 400 mm
Maximum Spindle Speed: 20,000 min⁻¹
Spindle Taper: BBT304
Tool Capacity: 16 Tools



■ Speed Revolution: Enabling High-Speed FSW

- Achieving high-speed welding beyond conventional FSW
- Integrating FSW and machining in a single machine to reduce process steps
- Total Support from fixture design and prototype evaluation to production launch

Careers

Students Welcome!

Your Learning Drives Manufacturing
Around the World