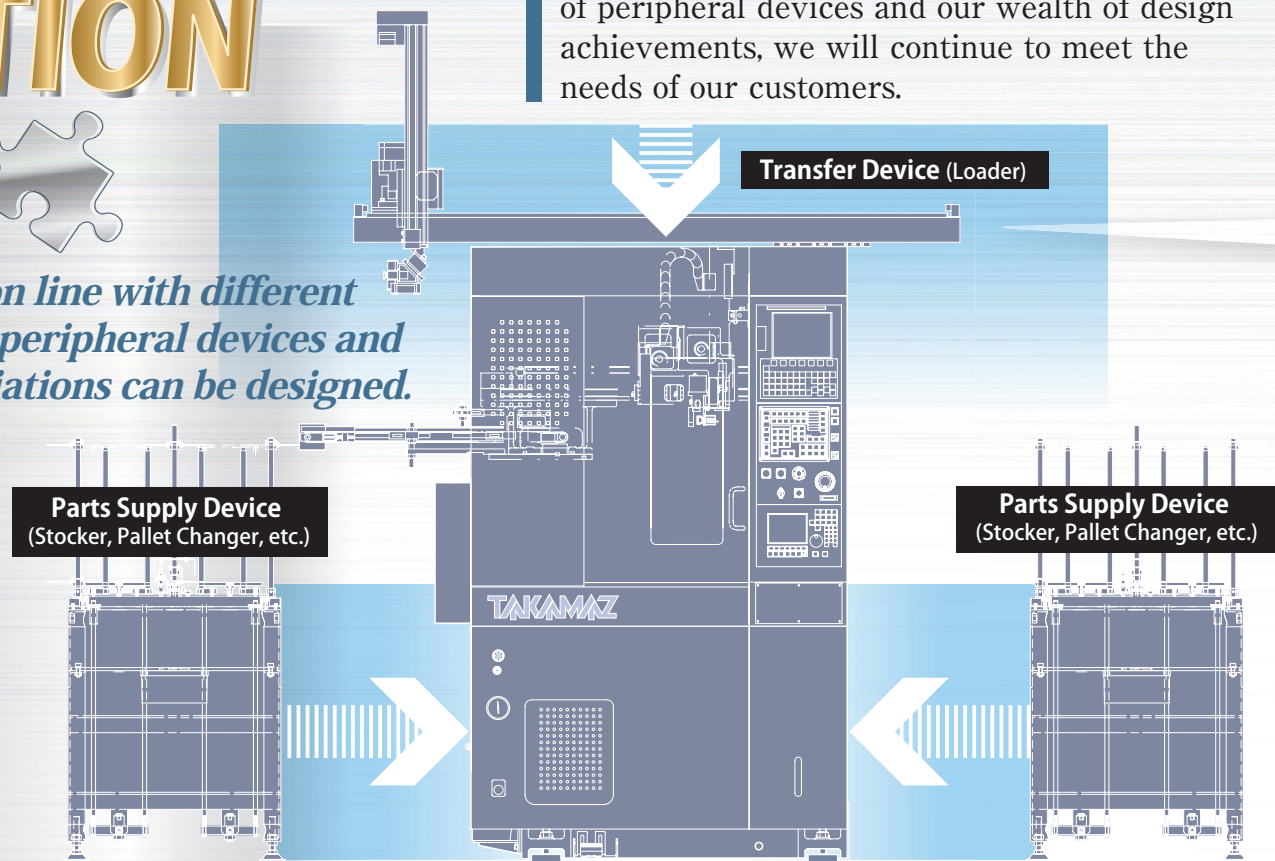


TAKAMAZ OPTION system

A production line with different varieties of peripheral devices and loading variations can be designed.



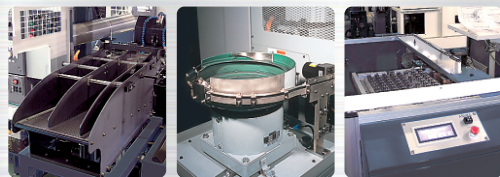
By applying our experiences in manufacturing of peripheral devices and our wealth of design achievements, we will continue to meet the needs of our customers.

Automation Peripheral Devices



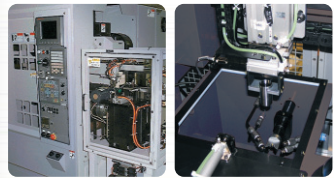
Station stocker
Flexible Multi-layer stocker to accommodate different part diameter sizes.

Flat stocker



Stocker for Shaft type parts
Parts feeder
A cylindrical stocker with minimum footprint for storing small parts.
Tray changer
Workpieces can be stored together with the tray.

Quality/Environment control unit



External measurement instrument
Dimensional errors are fed back to the machine to maintain high dimensional accuracy.
Cleaning unit
Without operator intervention, cleaning is performed automatically.



Oil mist collector
Oil mist collection facilitates a clean production environment.
Automatic fire extinguisher
If fire breaks out in the machine during automatic operations, fire extinguishing agent is automatically discharged.

Cutting efficiency/Chip disposal



Alloyed Clamp Holder for vibrations suppression
Inhibiting the progression of wear boundary is expected to extend cutting tool life in high speed machining.
Chip conveyor (Spiral type)
Chip disposal is done semi-automatically in the minimum space.
Chip conveyor (Floor type)
Chips are reliably discharged outside the machine.



High-pressure coolant
Constantly cooled coolant is discharged at high pressure so that the tool life is significantly prolonged.
Semi-dry machining
Ultratrace, highly-lubricating organic coolant is applied to the correct point on the cutting edge, realizing semi-dry machining.



TAKAMAZ Collet Chuck

The collet chuck developed and marketed under the TAKAMAZ brand is manufactured in the factory where an integrated system is used to streamline every part of the production, from machining to heat treatment. Collet run-off accuracy conforms to TAKAMAZ standard, which is even higher than Japanese Industrial Standards (JIS), allowing us to provide our customers with exceptionally dependable products.

● **Standard included model**
XC-100, XL-100, X-120, XW-80(M), XD-8(t)PLUS, XD-10i, XY-120PLUS, USL-480, J-WAVE...

TAKAMAZ LOADER system

Encouraged from sales of more than 60 years, with "Integral loader" design philosophy in mind, TAKAMAZ will lead the consistent support service follow up and support system built on trust, leading to increased productivity.

Space Saving
Accessory Devices

Improving
Durability

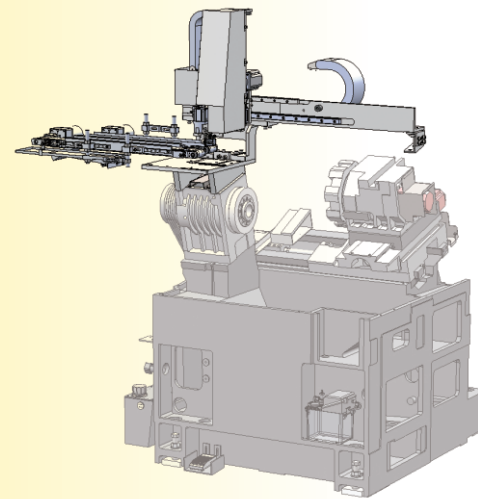
Pursuing of
the Low Cost

Short
Loading Time

Flexible System
Line Configuration

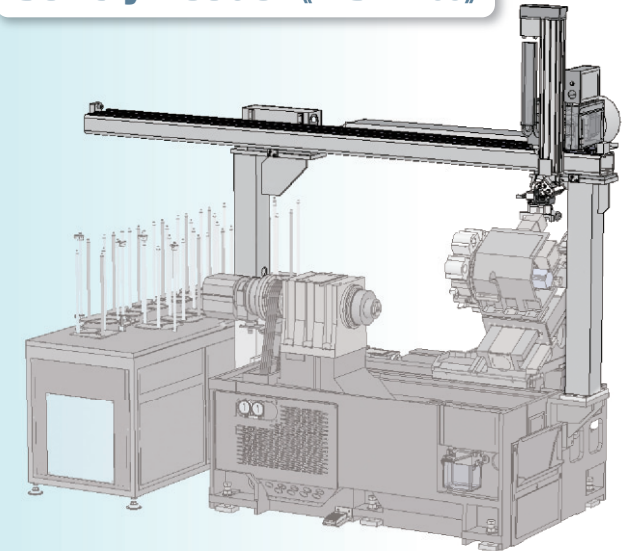
Improving
Operability

Compact Loader (Σ)



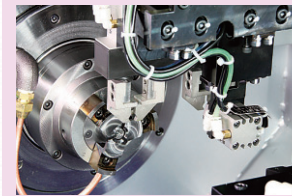
- Hi Speed Loader mounted on the machine to save space.
- A dedicated servo controller allows speedy setup.

Gantry Loader (ΣGH 150)



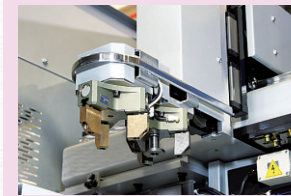
- Gantry-type servo loader with high rigidity.
- The traverse distance can be extended, ensuring extremely flexible line configuration and systemization of peripheral equipment.

For Small and Short Workpiece



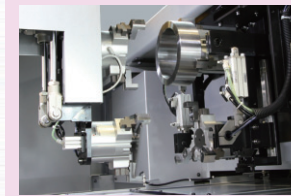
Parallel Hand
XW-30
(Σ W30: 2-Axes Control)

For Flange Workpiece



L Hand
XW-80
(Σ GT: 3-Axes Control)

For Front and Back Cutting Workpiece



Σ GTH Hand
XW-130
(Σ GTH: 3-Axes Control)
Patent Pending

For Shaft Workpiece



Pendulum Hand
X-S700
(Σ GT700: 3-Axes Control)
(Max.10kg)

Workpiece delivery from transport unit using a conveyor

To transport the workpieces with different shapes and cutting points, a variety of turn devices are available to provide a reliable workpiece delivery system.

