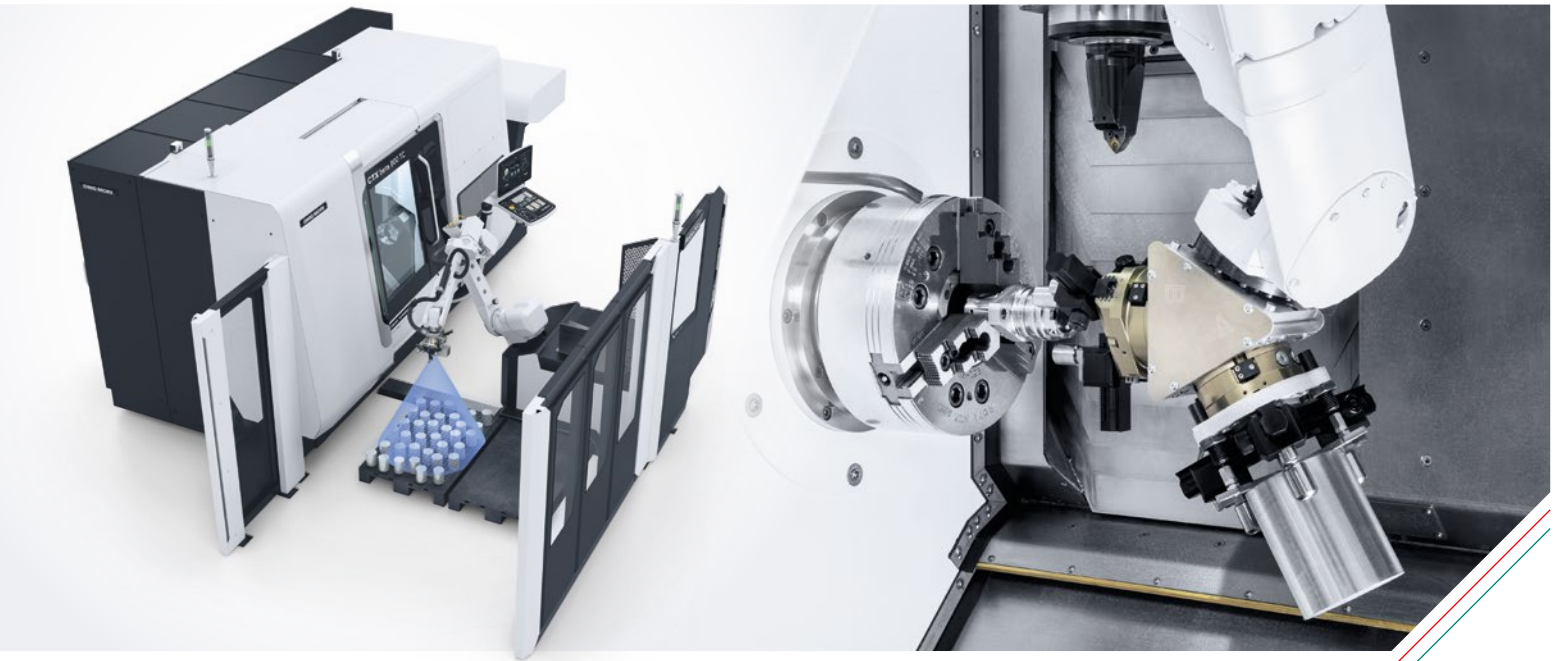


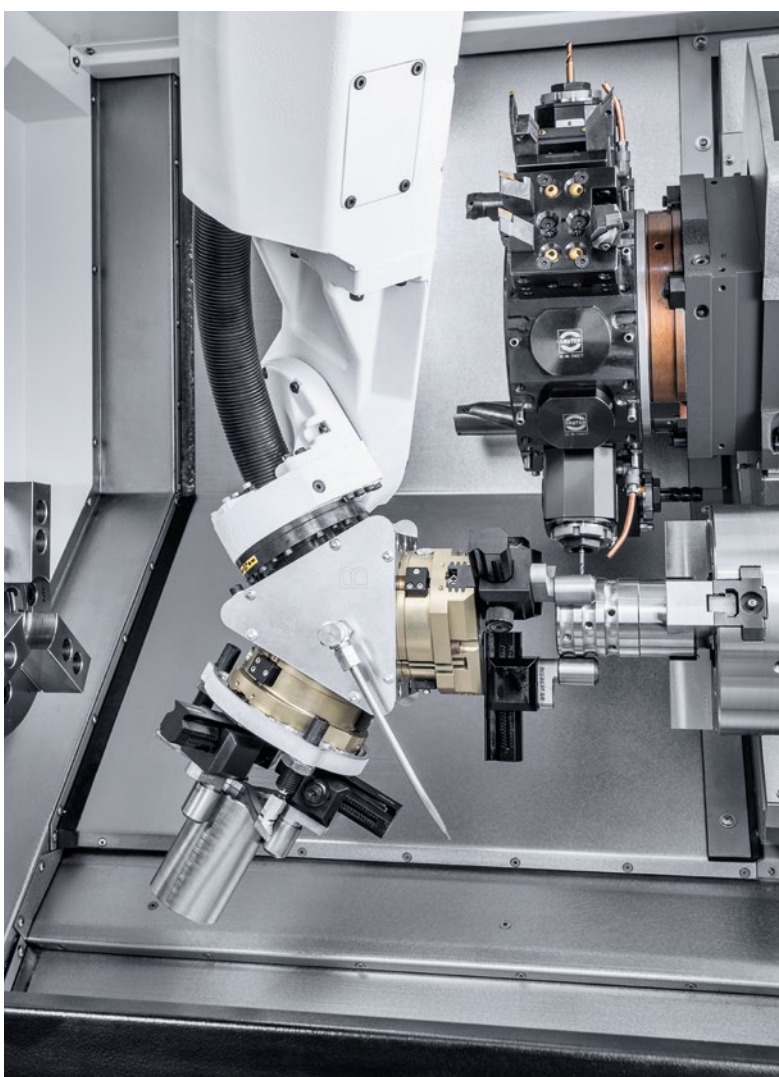
DMG MORI

WORKPIECE HANDLING

Robo2Go 2nd Generation

Flexible automation, programmed easily





Robo2Go 2nd GENERATION

Flexible work-piece handling up to 35 kg payload

- + Three versions for all demands:
Payload robot 10/20/35 kg
- + Handling of **shaft parts** $\varnothing 20 - 170$ mm, up to 950 mm length and chuck parts $\varnothing 20 - 175$ mm
- + Modular gripper set:
Outside and inside gripping in standard
- + **Customer specific workpiece trays** possible
- + **Stacking of workpieces**
- + Parallel **use with bar loader** possible
- + Laser scanner for monitoring the **fence-free safety zone**
- + **Flexible setup** at multiple turning machines

CLX 350 with Robo2Go:
Loading and unloading with double gripper

Robo2Go 2nd GENERATION

Machine, automation and control – from a single source



- + In the machine control **integrated operation via CELOS APP***
- + **New software** for dialogue-controlled, intuitive operability

- + **No robot programming knowledge necessary**
- + **Multijob function:** Different jobs on one workpiece tray. Ideal for small and medium batch sizes
- + Creation of a process with **predefined program modules**
- + Easy programming of individual workpiece trays
- + Home function for easy retraction and setup of the system

*For CLX series with Softkey

Creation of a process
via Drag and Drop



Robo2Go 2nd GENERATION

A new level of productivity for your machine tool

- ✓ Expansion of production time by unmanned shifts
- ✓ Multiple machine operation
- ✓ Teaching of a new workpiece <5 min.

Tool holder

Dimensions (mm)	168 × 65
Tray capacity	45 pcs.
Tray capacity	13.4 min.



Conventional one-shift operation

35 pcs.

8 h.

End of shift

Capacity expansion with Robo2Go 2nd Generation

45 pcs.

10 h.

+ 128 %

Nozzle

Dimensions (mm)	108 × 75
Tray capacity	45 pcs.
Tray capacity	7.4 min.



64 pcs.

8 h.

45 pcs.

5.5 h.

+ 70 %

Connection part

Dimensions (mm)	108 × 60
Tray capacity	88 pcs.
Tray capacity	10.5 min.



45 pcs.

8 Std.

88 pcs.

15.4 h.

+ 195 %

Time

Robo2Go 2nd GENERATION

Equipment and options



OPTIONAL AVAILABLE:

- + Shaft parts tray
- + Stacking magazine
- + Pressure reduction for gripping of thin-walled workpieces
- + Safety fence



Shaft parts tray

GRIPPER CONFIGURABLE AS PARALLEL AND CENTRIC GRIPPER



2-jaw grippers

- ✓ Chuck and shaft parts
- ✓ Inside and outside gripping
- ✓ $\varnothing 20 - 170$ mm



3-jaw grippers

- ✓ Chuck and shaft parts
- ✓ Inside and outside gripping
- ✓ $\varnothing 25 - 175$ mm (Außen)



4-jaw grippers

- ✓ Shaft parts
- ✓ Outside gripping
- ✓ $\varnothing 20 - 150$ mm

Robo2Go Vision

NEW: Your production assistant with *Vision* comfort function

- + **Fast supply and removal** of raw and finished parts by means of pallets
- + **No re-stacking** thanks to the use of standard pallets and trolleys
- + **Larger workpiece capacity** (+40 %)
- + **Cylindrical chuck parts** with $\varnothing 25\text{--}175\text{ mm}$ and $20\text{--}250\text{ mm}$ length
- + **No specific workpiece trays** required
- + **Robust 3D camera recognition**, ideal for multijob function
- + **Simple and fast teaching** of new workpieces via camera
- + **Dialog-guided control** via CELOS APP



Robo2Go Vision

Simple creation of new workpieces

- + **Dialog-guided, fast input** of workpiece parameters
- + **Automatic camera recognition** of the workpieces based on the entered diameter and length
- + **Easy selection of the gripping strategy**



With the Robo2Go our customers can increase the productivity of their machine tool cost-effectively. The integrated control via CELOS is intuitive for every operator. Accessibility to the machine is maintained at all times. The ideal and flexible solution for small and medium batch sizes.



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A MEMBER OF
DMG MORI



Series/ Robot size	10 kg	20 kg	35 kg	Vision 35 kg
CLX (mit SIEMENS)	✓	✓	✓ ¹	✓ ¹
CTX alpha 500	✓	✓	–	–
CTX beta	✓	✓	✓	✓
CTX 2500	✓	✓	✓	✓
CTX beta 800 TC / 1250 TC /1250 TC 4A ²	✓	✓	✓	✓ ⁴
CTX beta 4A	–	✓	✓	–
NLX 2500	✓	✓ ³	✓ ³	✓ ³

¹Except for CLX 350 ²With chain magazine ³Except for NLX 2500I500

⁴Except for CTX beta 1250 TC 4A