WORKPIECE HANDLING

Robo2Go 2\textsuperscript{nd} 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 ø 20 – 170 mm,
  up to 950 mm length and chuck parts ø 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
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 knowledges 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
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.

<table>
<thead>
<tr>
<th>Tool holder</th>
<th>Conventional one-shift operation</th>
<th>Capacity expansion with Robo2Go 2nd Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (mm)</td>
<td>168×65</td>
<td>45 pcs.</td>
</tr>
<tr>
<td>Tray capacity</td>
<td>45 pcs.</td>
<td>35 pcs.</td>
</tr>
<tr>
<td>Tray capacity</td>
<td>13.4 min.</td>
<td>8 h.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nozzle</th>
<th>Conventional one-shift operation</th>
<th>Capacity expansion with Robo2Go 2nd Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (mm)</td>
<td>108×75</td>
<td>45 pcs.</td>
</tr>
<tr>
<td>Tray capacity</td>
<td>45 pcs.</td>
<td>64 pcs.</td>
</tr>
<tr>
<td>Tray capacity</td>
<td>7.4 min.</td>
<td>8 h.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connection part</th>
<th>Conventional one-shift operation</th>
<th>Capacity expansion with Robo2Go 2nd Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (mm)</td>
<td>108×60</td>
<td>45 pcs.</td>
</tr>
<tr>
<td>Tray capacity</td>
<td>88 pcs.</td>
<td>85 pcs.</td>
</tr>
<tr>
<td>Tray capacity</td>
<td>10.5 min.</td>
<td>10.5 Std.</td>
</tr>
</tbody>
</table>
Robo2Go 2nd GENERATION

Equipment and options

OPTIONAL AVAILABLE:

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

GRIPPER CONFIGURABLE AS PARALLEL AND CENTRIC GRIPPER

2-jaw grippers
✓ Chuck and shaft parts
✓ Inside and outside gripping
✓ ø 20 – 170 mm

3-jaw grippers
✓ Chuck and shaft parts
✓ Inside and outside gripping
✓ ø 25 – 175 mm (Außen)

4-jaw grippers
✓ Shaft parts
✓ Outside gripping
✓ ø 20 – 150 mm
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 ø 25–175 mm and 20–250 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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