



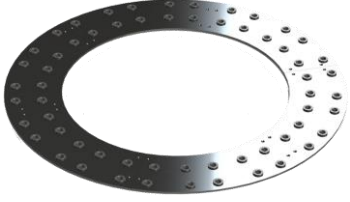
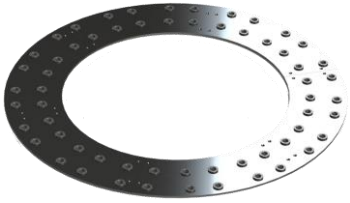
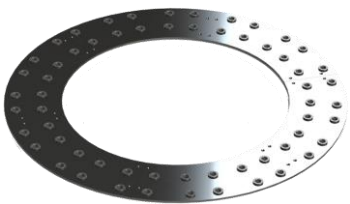
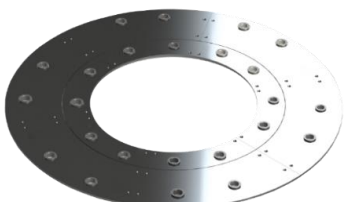
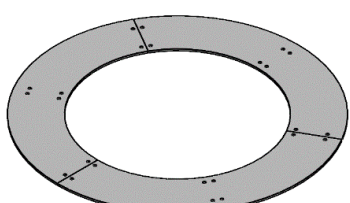


## AUTOMATION PRICELIST


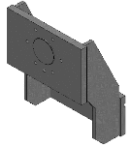

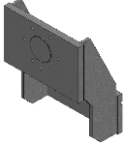
## Automation Viceloader

Description	Id. Nr.	Price / piece
<p><b>1. Viceloader II automation solution with CNC control, 4 controlled axes</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Max. payload 120kg per vice, further details in the Viceloader catalog</li> <li>▶ New version</li> <li>▶ A piece of magazine plate carrier</li> <li>▶ Max. parts storage capacity 1500Kg</li> <li>▶ Cycle time for a complete vice change approx. 90s (depending on the effective payload and vice position)</li> <li>▶ 3x doors to the parts store, 1x protective door</li> <li>▶ Standard software with automatic cycles</li> <li>▶ Set of height-adjustable machine feet</li> <li>▶ Electrical connection 400V / 16A</li> <li>▶ Operating instructions in English</li> <li>▶ Electrical diagram</li> </ul>		
<p><b>2. Viceloader extension of magazine plate carrier</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Completely installed including spacer bush</li> <li>▶ Expands magazine capacity</li> <li>▶ Distance between magazine plates according to customer requirements</li> <li>▶ Max. possible number of magazine plates = 5</li> </ul>		
<p><b>3. EVO optional equipment</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Faster vices/pallets change, change cycle approx. 35 s (depending on the effective payload and vice position)</li> <li>▶ Equipped with a more powerful Y-axis drive</li> <li>▶ Equipped with a more stable X and A axis gears</li> <li>▶ Main door with plexiglass panels</li> <li>▶ Magazine door with plexiglass panels</li> <li>▶ Protective covers with plexiglass panels</li> </ul>		
<p><b>4. Viceloader - arm modify</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Modify the standard version</li> <li>▶ Viceloader arm length modify</li> </ul>		
<p><b>5. Viceloader Y-axis modify</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Modify the standard version</li> <li>▶ Y-axis assembly modification</li> </ul>		

**Magazine plate equipment - Lang zero point**

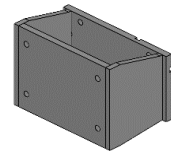
Description	Id. Nr.	Price / piece
<p><b>6. Viceloader equipment magazine plate with Lang Quick-Point 52</b></p> <p>Comment: ▶ Execution 30 vices Lang Makro-Grip 77 per magazine plate                      ▶ 120 plastic inserts for vices support / centering                      ▶ Suitable for Lang Quick-Point 52 zero point system                      ▶ Magazine plate galvanized                      ▶ Picture for illustration purposes only</p>	 <p>20 0010</p>	<p>1 200,00 EUR</p>
<p><b>7. Viceloader equipment magazine plate with Lang Quick-Point 96</b></p> <p>Comment: ▶ Execution 15 vices Lang Makro-Grip 125 per magazine plate                      ▶ 60 plastic inserts for vices support / centering                      ▶ Suitable for Lang Quick-Point 96 zero point system                      ▶ Magazine plate galvanized                      ▶ Picture for illustration purposes only</p>	 <p>20 0020</p>	<p>1 200,00 EUR</p>
<p><b>8. Viceloader equipment magazine plate with Lang Quick-Point 52/96</b></p> <p>Comment: ▶ Execution 30 vices Lang Makro-Grip 77 per magazine plate                      ▶ Execution 15 vices Lang Makro-Grip 125 per magazine plate                      ▶ 120 plastic inserts for vices support / centering - for Quick-Point 52                      ▶ 60 plastic inserts for vices support / centering - for Quick-Point 96                      ▶ Suitable for Lang Quick-Point 52/96 zero point system                      ▶ Magazine plate galvanized                      ▶ Picture for illustration purposes only</p>	 <p>20 0030</p>	<p>1 200,00 EUR</p>
<p><b>9. Viceloader equipment magazine plate according to customer specification</b></p> <p>Comment: ▶ Number of positions depending on the size of the pallet                      ▶ Plastic inserts for pallets support / centering                      ▶ Magazine plate galvanized                      ▶ Picture for illustration purposes only</p>	 <p>20 0040</p>	<p>1 200,00 EUR</p>
<p><b>10. Viceloader equipment magazine plate - for adjustment by the customer</b></p> <p>Comment: ▶ Number of positions depending on the size of the pallet                      ▶ Plastic inserts for pallets support / centering                      ▶ Magazine plate galvanized                      ▶ Picture for illustration purposes only</p>	 <p>20 0050</p>	<p>1 200,00 EUR</p>

## Interface Viceloader






Description	Id. Nr.	Price / piece
<p><b>11. Handling gripper Lang Robo-Trex 52</b></p> <p>Comment: ▶ For handling Makro-Grip 77 vices with Robo-Trex 52 interface                      ▶ Id. Nr. Lang 66900                      ▶ Incl. clamp monitoring                      ▶ Incl. vice presence control                      ▶ It contains a mechanism for controlling the clamping tower Id Nr. 66600                      ▶ There is no need to supply compressed air to the table of machine                      ▶ Max. weight of vice with workpiece 12 kg</p> 	30 1010	5 200,00 EUR
<p><b>12. Mounting adapter for Lang Robo-Trex 52</b></p> <p>Comment: ▶ Viceloader mounting adapter for Robo-Trex 52                      ▶ Picture for illustration purposes only</p> 	30 1020	500,00 EUR
<p><b>13. Handling gripper Lang Robo-Trex 52 assembly on the Viceloader</b></p> <p>Comment: ▶ Mechanical connection                      ▶ Pneumatic valves including maintenance unit and hose lines                      ▶ Including adjustment</p>	30 1030	1 800,00 EUR
<p><b>14. Handling gripper Lang Robo-Trex 96</b></p> <p>Comment: ▶ For handling Makro-Grip 125 vices with Robo-Trex 96 interface                      ▶ Id. Nr. Lang 64850                      ▶ Incl. clamp monitoring                      ▶ Incl. vice presence control                      ▶ It contains a mechanism for controlling the clamping tower Id. Nr. 64500                      ▶ There is no need to supply compressed air to the table of machine                      ▶ Max. weight of vice with workpiece 20 kg</p> 	30 2010	6 825,00 EUR
<p><b>15. Mounting adapter for Lang Robo-Trex 96</b></p> <p>Comment: ▶ Viceloader mounting adapter for Robo-Trex 96                      ▶ Picture for illustration purposes only</p> 	30 2020	600,00 EUR
<p><b>16. Handling gripper Lang Robo-Trex 96 assembly on the Viceloader</b></p> <p>Comment: ▶ Mechanical connection                      ▶ Pneumatic valves including maintenance unit and hose lines                      ▶ Including adjustment</p>	30 2030	1 800,00 EUR

## Interface Viceloader

Description	Id. Nr.	Price / piece
<p><b>17. Handling gripper - Lang Fork-gripper</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Discontinued product, available on request</li> <li>▶ For handling vices/pallets with Lang fork-interface</li> <li>▶ Incl. clamp monitoring</li> <li>▶ Incl. vice presence control</li> <li>▶ It contains a mechanism for controlling the clamping tower Id. Nr. 46080</li> <li>▶ There is no need to supply compressed air to the table of machine</li> <li>▶ Max. weight of vice with workpiece 20 kg</li> </ul>		
	30 5010	4 800,00 EUR
<p><b>18. Mounting adapter for Lang Fork-gripper</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Viceloader mounting adapter for Lang Fork-gripper</li> <li>▶ Picture for illustration purposes only</li> </ul>		
	30 5020	600,00 EUR
<p><b>19. Handling gripper Lang Fork-gripper assembly on the Viceloader</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Mechanical connection</li> <li>▶ Pneumatic valves including maintenance unit and hose lines</li> <li>▶ Including adjustment</li> </ul>		
	30 5030	1 450,00 EUR
<p><b>20. Handling gripper - compatible with Lang Fork-gripper</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ For handling vices/pallets with Lang fork-interface</li> <li>▶ There is need to supply compressed air to the table of machine</li> <li>▶ Max. weight of vice with workpiece 20 kg</li> </ul>		
	30 6010	2 300,00 EUR
<p><b>21. Assembly on the Viceloader - gripper compatible with Lang Fork-gripper</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Mechanical connection</li> <li>▶ Pneumatic valves including maintenance unit and hose lines</li> <li>▶ Including adjustment</li> </ul>		
	30 6020	1 450,00 EUR



## Zero point - clamping system

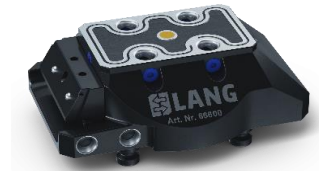
Description	Id. Nr.	Price / piece
<p><b>22. Quick-Point 96 round plate, <math>\varnothing</math> 176 x 27 mm, without mounting bores</b></p> <p>Comment: ▶ Id. Nr. Lang 45801                      ▶ Usable for RoboTrex 52 Automation Zero-Point Clamping System                      ▶ Round plate without set keyways                      ▶ Round plate without mounting bores                      ▶ Picture for illustration purposes only</p>	 <p>40 1010</p>	<p>719,00 EUR</p>
<p><b>23. Quick-Point 96 round plate, <math>\varnothing</math> 246 x 27 mm, without mounting bores</b></p> <p>Comment: ▶ Id. Nr. Lang 45840                      ▶ Usable for RoboTrex 96 Automation Zero-Point Clamping System                      ▶ Round plate without set keyways                      ▶ Round plate without mounting bores                      ▶ Picture for illustration purposes only</p>	 <p>40 1020</p>	<p>994,00 EUR</p>
<p><b>24. Mounting bores for Quick-Point 52/96 round plate</b></p> <p>Comment: ▶ Id. Nr. Lang 45004                      ▶ Set mounting bores according to customer's request                      ▶ Picture for illustration purposes only</p>	 <p>40 1030</p>	<p>171,00 EUR</p>
<p><b>25. Set individual keyways for Quick-Point 52/96 round plate</b></p> <p>Comment: ▶ Id. Nr. Lang 45002                      ▶ Set individual keyways according to customer's request                      ▶ Picture for illustration purposes only</p>	 <p>40 1040</p>	<p>153,00 EUR</p>
<p><b>26. Quick-Point 96 round plate, <math>\varnothing</math> 246 x 27 mm, for machine tables with cross slot</b></p> <p>Comment: ▶ Id. Nr. Lang 45890                      ▶ Round plate with mounting bores for machine tables with cross slot                      ▶ Round plate with set keyways for machine tables with cross slot                      ▶ Picture for illustration purposes only</p>	 <p>40 1050</p>	<p>1 082,00 EUR</p>

**Zero point - clamping system**

Description	Id. Nr.	Price / piece
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**27. RoboTrex 52, automation zero-point clamping system**

- Comment:
- ▶ Id. Nr. Lang 66600
  - ▶ Pneumatic-mechanical clamping system
  - ▶ It id used to clamp vices in a CNC machine
  - ▶ No compressed air supply is required
  - ▶ Controlled by a handling gripper Lang Robo-Trex 52
  - ▶ Can also be used without automation



40 1060	3 482,00 EUR
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**28. RoboTrex 96, automation zero-point clamping system**

- Comment:
- ▶ Id. Nr. Lang 64500
  - ▶ Pneumatic-mechanical clamping system
  - ▶ It id used to clamp vices in a CNC machine
  - ▶ No compressed air supply is required
  - ▶ Controlled by a handling gripper Lang Robo-Trex 96
  - ▶ Can also be used without automation



40 1070	3 869,00 EUR
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**29. Lang automation clamping tower**

- Comment:
- ▶ Discontinued product, available on request
  - ▶ Pneumatic-mechanical clamping system
  - ▶ It id used to clamp vices/pallets in a CNC machine
  - ▶ No compressed air supply is required
  - ▶ Controlled by a handling gripper Lang Fork-gripper
  - ▶ Can also be used without automation



40 1080	
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**Clamping elements**

Description	Id. Nr.	Price / piece
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**30. Makro•Grip® 77, Night King**

- Comment:
- ▶ Id. Nr. Lang 68120-77
  - ▶ Jaw width 77 mm
  - ▶ Clamping range 0-120 mm
  - ▶ Base length 130 mm
  - ▶ With Robo-Trex 52 interface
  - ▶ With zero-point system Lang 52
  - ▶ Weight 2,9 kg



50 1010	519,00 EUR
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**31. Makro•Grip® 77, 5-Axis Vise**

- Comment:
- ▶ Id. Nr. Lang 48120-46
  - ▶ Jaw width 46 mm
  - ▶ Clamping range 0-120 mm
  - ▶ Base length 130 mm
  - ▶ With Robo-Trex 52 interface
  - ▶ With zero-point system Lang 52
  - ▶ Weight 2,9 kg



50 1020	688,00 EUR
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**32. Makro•Grip® 77, 5-Axis Vise**

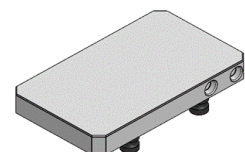
- Comment:
- ▶ Id. Nr. Lang 48120-77
  - ▶ Jaw width 77 mm
  - ▶ Clamping range 0-120 mm
  - ▶ Base length 130 mm
  - ▶ With Robo-Trex 52 interface
  - ▶ With zero-point system Lang 52
  - ▶ Weight 2,9 kg



50 1030	725,00 EUR
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**33. Automation pallet, 77x130, C45**

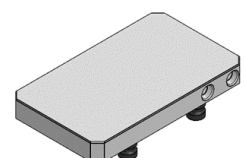
- Comment:
- ▶ Dimensions 77x130x18 mm
  - ▶ Material steel C45
  - ▶ Surface treatment
  - ▶ With Robo-Trex 52 interface
  - ▶ With zero-point system Lang 52 (including clamping pins)



50 1040	150,00 EUR
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**34. Automation pallet, 77x130, EN-AW 7075**

- Comment:
- ▶ Dimensions 77x130x18 mm
  - ▶ Material EN-AW 7075
  - ▶ With Robo-Trex 52 interface
  - ▶ With zero-point system Lang 52 (including clamping pins)



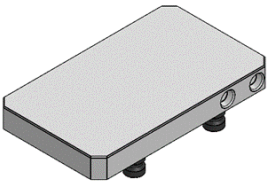
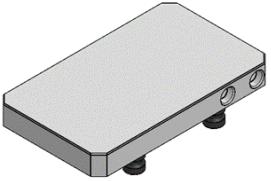








## VICELoader - Price list - v1.0



## Clamping elements






Description	Id. Nr.	Price / piece
<b>35. Makro-Grip 5-Axis Vice 125, jaw width 77 mm</b> Comment: <ul style="list-style-type: none"> <li>▶ Id. Nr. Lang 48205-77</li> <li>▶ Jaw width 77 mm</li> <li>▶ Clamping range 0-205 mm</li> <li>▶ Base length 210 mm</li> <li>▶ With Robo-Trex 96 interface</li> <li>▶ With zero-point system Lang 96</li> <li>▶ Weight 9,1 kg</li> </ul>		50 2010 740,00 EUR
<b>36. Makro-Grip 5-Axis Vice 125, jaw width 125 mm</b> Comment: <ul style="list-style-type: none"> <li>▶ Id. Nr. Lang 48205-125</li> <li>▶ Jaw width 125 mm</li> <li>▶ Clamping range 0-205 mm</li> <li>▶ Base length 210 mm</li> <li>▶ With Robo-Trex 96 interface</li> <li>▶ With zero-point system Lang 96</li> <li>▶ Weight 10,2 kg</li> </ul>		50 2020 1 038,00 EUR
<b>37. Automation pallet, 125x210, C45</b> Comment: <ul style="list-style-type: none"> <li>▶ Dimensions 125x210x24 mm</li> <li>▶ Material steel C45</li> <li>▶ Surface treatment</li> <li>▶ With Robo-Trex 96 interface</li> <li>▶ With zero-point system Lang 96 (including clamping pins)</li> </ul>		50 2030 180,00 EUR
<b>38. Automation pallet, 125x210, EN-AW 7075</b> Comment: <ul style="list-style-type: none"> <li>▶ Dimensions 125x210x24 mm</li> <li>▶ Material EN-AW 7075</li> <li>▶ With Robo-Trex 96 interface</li> <li>▶ With zero-point system Lang 96 (including clamping pins)</li> </ul>		50 2040 195,00 EUR

**Clamping elements**

Description	Id. Nr.	Price / piece
<p><b>39. Makro-Grip 5-Axis Vice 77</b></p> <p><b>Comment:</b></p> <ul style="list-style-type: none"> <li>▶ Discontinued product, available on request</li> <li>▶ Jaw width 77 mm</li> <li>▶ Clamping range 0-160 mm</li> <li>▶ Base length 170 mm</li> <li>▶ With Lang fork-interface</li> <li>▶ With zero-point system Lang 96</li> <li>▶ Weight 7,2 kg</li> </ul>		<p>50 3010</p>
<p><b>40. Makro-Grip 5-Axis Vice 125</b></p> <p><b>Comment:</b></p> <ul style="list-style-type: none"> <li>▶ Discontinued product, available on request</li> <li>▶ Jaw width 125 mm</li> <li>▶ Clamping range 0-205 mm</li> <li>▶ Base length 210 mm</li> <li>▶ With Lang fork-interface</li> <li>▶ With zero-point system Lang 96</li> <li>▶ Weight 9,4 kg</li> </ul>		<p>50 3020</p>
<p><b>41. Makro-Grip 5-Axis Vice 2x77</b></p> <p><b>Comment:</b></p> <ul style="list-style-type: none"> <li>▶ Discontinued product, available on request</li> <li>▶ Jaw width 2x77 mm</li> <li>▶ Clamping range 2x 0-200 mm</li> <li>▶ Base length 210 mm</li> <li>▶ With Lang fork-interface</li> <li>▶ With zero-point system Lang 96</li> <li>▶ Weight 12,0 kg</li> </ul>		<p>50 3030</p>
<p><b>42. Quick•Point® Automation support pallet</b></p> <p><b>Comment:</b></p> <ul style="list-style-type: none"> <li>▶ Discontinued product, available on request</li> <li>▶ Diameter 178 mm</li> <li>▶ Height 27 mm</li> <li>▶ With Lang fork-interface</li> <li>▶ With zero-point system Lang 96 (including clamping pins)</li> <li>▶ Weight 5,1 kg</li> </ul>		<p>50 3040</p>



**Accessories**

Description	Id. Nr.	Price / piece
<p><b>43. Vicedoor 1000, single door - 180 kg automatic door opening</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Electrically powered</li> <li>▶ Stroke from 300 mm to 1000 mm</li> <li>▶ Maximum weight machine door 180 kg</li> <li>▶ Safety features</li> <li>▶ CE certificate</li> <li>▶ Picture for illustration purposes only</li> </ul>		<p>70 0010   4 500,00 EUR</p>
<p><b>44. Vicedoor 1500, single door - 180 kg automatic door opening</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Electrically powered</li> <li>▶ Stroke from 300 mm to 1500 mm</li> <li>▶ Maximum weight machine door 180 kg</li> <li>▶ Safety features</li> <li>▶ CE certificate</li> <li>▶ Picture for illustration purposes only</li> </ul>		<p>70 0020   4 700,00 EUR</p>
<p><b>45. Vicedoor 2000, single door - 400 kg automatic door opening</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Electrically powered</li> <li>▶ Stroke from 300 mm to 2000 mm</li> <li>▶ Maximum weight machine door 400 kg</li> <li>▶ Safety features</li> <li>▶ CE certificate</li> <li>▶ Picture for illustration purposes only</li> </ul>		<p>70 0030   5 650,00 EUR</p>
<p><b>46. Vicedoor 1500, single/double door - 180 kg automatic door opening</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Electrically powered</li> <li>▶ Stroke from 300 mm to 750 mm (2x)</li> <li>▶ Maximum weight machine door 90 kg</li> <li>▶ Safety features</li> <li>▶ CE certificate</li> <li>▶ Picture for illustration purposes only</li> </ul>		<p>70 0040   4 950,00 EUR</p>
<p><b>47. Vicedoor 2000, single/double door - 400 kg automatic door opening</b></p> <p>Comment:</p> <ul style="list-style-type: none"> <li>▶ Electrically powered</li> <li>▶ Stroke from 300 mm to 1000 mm (2x)</li> <li>▶ Maximum weight machine door 200 kg</li> <li>▶ Safety features</li> </ul>		

- ▶ CE certificate
- ▶ Picture for illustration purposes only




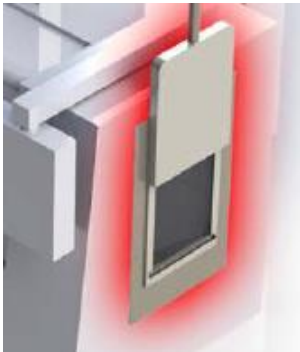
70 0050

5 950,00 EUR

## VICELoader - Price list - v1.0



## Accessories

Description	Id. Nr.	Price / piece	
<b>48. Roller shutter - automatic side window</b> Comment: <ul style="list-style-type: none"> <li>▶ Id. Nr. Lang 66750</li> <li>▶ Pneumatic drive</li> <li>▶ Window width 500 mm</li> <li>▶ Incl. end position sensors</li> </ul>		70 1010	4 450,00 EUR
<b>49. Side sliding window - automatic</b> Comment: <ul style="list-style-type: none"> <li>▶ Pneumatic drive</li> <li>▶ Incl. end position sensors</li> <li>▶ Picture for illustration purposes only</li> </ul>		70 1020	2 900,00 EUR
<b>50. Assembly Vicedoor on the CNC processing machine</b> Comment: <ul style="list-style-type: none"> <li>▶ Connection to the Viceloder system / or on the M-function of the CNC machine tool (M-function provided by the customer)</li> <li>▶ Control via Viceloder / or via M-functions</li> </ul>		70 2010	1 200,00 EUR
<b>51. Assembly Roller shutter on the CNC processing machine</b> Comment: <ul style="list-style-type: none"> <li>▶ Connection to the Viceloder system / or on the M-function of the CNC machine tool (M-function provided by the customer)</li> <li>▶ Control via Viceloder / or via M-functions</li> </ul>		70 2020	1 200,00 EUR
<b>52. Assembly Side sliding window on the CNC processing machine</b>			

- Comment: ▶ Connection to the Viceloader system / or on the M-function of the CNC machine tool  
 (M-function provided by the customer)  
 ▶ Control via Viceloader / or via M-functions

VICELOADER - Price list - v1.0

70 2030

1 200,00 EUR

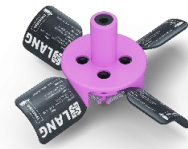


## Accessories

Description	Id. Nr.	Price / piece
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### 53. Clean•Tec 160, Chip Fan

- Comment: ▶ Id. Nr. Lang 30160  
 ▶ Diameter with open wings 160 mm  
 ▶ RPM range 6.000 - 12.000 R/min  
 ▶ Socket diameter 20 mm

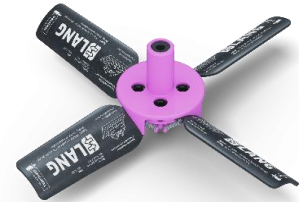


70 3010

181,00 EUR

### 54. Clean•Tec 260, Chip Fan

- Comment: ▶ Id. Nr. Lang 30260  
 ▶ Diameter with open wings 260 mm  
 ▶ RPM range 5.000 - 8.000 R/min  
 ▶ Socket diameter 20 mm



70 3020

182,00 EUR

### 55. Clean•Tec 330, Chip Fan

- Comment: ▶ Id. Nr. Lang 30330  
 ▶ Diameter with open wings 330 mm  
 ▶ RPM range 3.000 - 5.000 R/min  
 ▶ Socket diameter 20 mm



70 3030

188,00 EUR



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## Conditions

**Prices in EUR excluding VAT (VAT not applicable by export out of EC)**

**Deposit: 50% with order**

**Final payment: 50% before delivery**

**Offer valid: 60 days**

**Delivery date: Viceloader approx. 8 weeks or by arrangement**

**Limited Warranty: 12 months**

### Important remarks:

The processing machine to be automated must be correctly prepared by the customer for the connection of the Viceloader before the installation of the Viceloader.

The zero point system must be fully integrated into the machine and it must be possible to operate it from the processing program of the processing machine. (Optionally, the zero point system can also be controlled by the Viceloader).

The safe opening and closing of the machine door or the loading window must be actuated from the processing program of the processing machine. (Optionally, the machine door can also be controlled by the Viceloader, on request we can also deliver suitable door automation systems and ready-made loading windows).

The communication between the Viceloader and the processing machine works as follows:

An M function called in the processing program of the processing machine triggers the pallet exchange cycle in the Viceloader by briefly closing a potential-free contact on the processing machine (M-Start signal from the PLC of the processing machine).

As soon as the Viceloader has successfully completed the pallet exchange cycle, it closes a potential-free contact for a short time and thus signals to the processing machine that it can continue working in the program (M-Fin signal for the PLC of the processing machine).

It must be possible to trigger an emergency stop of the processing machine via a potential-free contact. An emergency stop triggered in the safety circuit of the processing machine must be able to be passed on to the Viceloader via a contact. The emergency stop safety circuit of the Viceloader must be connected to that of the processing machine.

Description of communication according to the document: User manual for connecting the communication interface \_Viceloader\_V1.07 EN. Document available on request.

It must be possible to open the loading door for changing vices / pallets. The status of the loading clamps must be signaled - open / closed.

The necessary cabling of the processing machine and the provision of the M functions in the PLC of the processing machines are carried out by the customer. A suitable connector with an assignment plan and a precise description will be delivered to the customer before the Viceloader is delivered.

A pre-wired connection kit including relay and voltage source can be supplied for an additional charge.

The customer is responsible for creating and maintaining work safety for the entire processing machine system with the Viceloader automation system in accordance with general and local rules and regulations.

The Viceloader automation system is internationally protected by several patents and utility models.













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