THE FUTURE RIGHT NOW
PRECISION Lathes, Drilling- and Milling Machines

135 YEARS
1885

WABECO
MASCHINENMANUFAKTUR seit 1885
WABECO Precision Lathes

Lathe D2000

Lathe D2400

Lathe D4000

Lathe D6000

further information at www.wabeco-remscheid.de
WABECO Precision Lathes D2000 > D2400

- **Lead screw lathes** for metal processing
- **Optimal swarf waste**
- **Ingenius**
  also ideally suited for wood processing
- **The classics** tried and tested for over 40 years
- **Silent running**
  Extremely silent running due to modern electronically adjustable drive technology

**Steel cylindrical guideways**
- precise ground - made of highest quality steel
- high rigidity
- optimal swarf waste
- 10 years warranty on the guideways

**Standard equipment**
- 3-jaw lathe chuck Ø 100 mm
- Dead center MT2
- Main spindle bore Ø 20 mm
- Thread spindle bore Ø 30 mm (item no. 10278)
  
**Special equipment**

- 1.4 kW, 30 - 2300 rpm

**Application**
- for hobby, model building, craft and workshop

**Warranty**
- 5 years warranty - the warranty does not cover parts subject to wear
- Availability of spare parts also guaranteed after warranty period
WABECO Precision Lathes D2000 > D2400

Lathe **D2000**

- Item no. 10108V  
  2,499.00 € | 2,973.81 €

**Working range**

- 350 mm center distance
- 110 mm center height
- Workpiece diameter max. 220 mm

**Special edition with tool set**

- Item no. 10110  
  2,569.00 € | 3,120.18 €

**Special edition**

- Carbide-tipped turning tool set 6 pieces 10x10 mm
- Knurling tool 12x12 mm
- Parting tool holder 10x10 mm with blade HSS
- Center drill set 4 pieces Ø 1.00 - 2.00 - 2.50 - 5.00 mm
- Quick-action drill chuck B16 1-13 mm with drill chuck arbor MT2

Lathe **D2400**

- Item no. 10200V  
  2,599.00 € | 3,201.10 €

**Working range**

- 500 mm center distance
- 110 mm center height
- Workpiece diameter max. 220 mm

**Special edition with tool set**

- Item no. 10210  
  2,669.00 € | 3,347.47 €

**Special edition**

- Carbide-tipped turning tool set 6 pieces 10x10 mm
- Knurling tool 12x12 mm
- Parting tool holder 10x10 mm with blade HSS
- Center drill set 4 pieces Ø 1.00 - 2.00 - 2.50 - 5.00 mm
- Quick-action drill chuck B16 1-13 mm with drill chuck arbor MT2
Special equipment and accessories for WABECO Lathes D2000 > D2400

<table>
<thead>
<tr>
<th>Main spindle bore Ø 30 mm</th>
<th>Special equipment</th>
</tr>
</thead>
</table>
| ![Image](image1) | • for workpiece Ø up to 30 mm  
• without morse taper  
• cannot be retrofitted  
Item no. 10278  
399.00 €  
561.68 € |

<table>
<thead>
<tr>
<th>Digital position readout (DRO) and 2 optical scales</th>
<th>Special equipment</th>
</tr>
</thead>
</table>
| ![Image](image2) | • for exact positioning  
included in delivery  
• Digital position readout (DRO) for 3 axes  
• 2 optical scales X- and Z-axis  
• Mounting kit and protective covers  
• factory installed  
Item no. 10126 for D2000  
1,430.00 €  
2,136.95 €  
Item no. 10226 for D2400  
1,470.00 €  
2,201.50 € |

<table>
<thead>
<tr>
<th>Chip- and coolant tray</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| ![Image](image3) | • Dimensions W560 x D170 x H10 mm  
Item no. 10174 for D2000  
29.00 €  
34.51 €  
Dimensions W700 x D170 x H10 mm  
Item no. 10175 for D2400  
30.00 €  
35.70 € |

<table>
<thead>
<tr>
<th>Chip- and coolant tray with splash guard</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| ![Image](image4) | • Dimensions W1060 x D464 x H500 mm  
Item no. 10156 for D2000  
199.00 €  
236.81 €  
Item no. 10256 for D2400  
199.00 €  
236.81 € |

<table>
<thead>
<tr>
<th>Coolant unit with splash guard</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| ![Image](image5) | • Dimensions W1060 x D445 x H553 mm  
• with feed pump 230 V, 50/60 Hz  
• flexible hose with stop valve and nozzle  
• Content coolant: 19 liter  
Item no. 10164 for D2000  
495.00 €  
624.75 €  
Item no. 10264 for D2400  
495.00 €  
624.75 € |

<table>
<thead>
<tr>
<th>Machine base cabinet</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| ![Image](image6) | • Dimensions W1060 x D445 x H850 mm  
• with 2 lockable doors and 2 shelves  
• Weight without packaging 58 kg  
Item no. 10267  
495.00 €  
624.75 € |

Further information at www.wabeco-remschkeide.de
## Special equipment and accessories for WABECO Lathes D2000 > D2400

### Milling attachment
- **for drilling and milling works**
- included in delivery
- Milling attachment 130 x 100 mm, width of slots 12 mm
- can be rotated infinitely by 360° and traversed in 3 axes
- Clamping angle
- Item no. 10270
- 159.00 €  189.21 €

### Fixed stay
- **for hollow turning and drilling longer workpieces**
- is fixed to the cylindrical guideways
- Item no. 10170
- 135.00 €  148.75 €

### Live stay
- **to support long, thin shafts during longitudinal turning, prevents them from sagging**
- is fixed to the tool slide
- Item no. 10172
- 119.00 €  130.90 €

### Hand steel rest
- **for wood turning**
- the lower part of the hand steel rest is clamped to the guiding bars of the lathe and can be placed close to the workpiece by adjusting as necessary
- Item no. 10160
- 79.00 €  94.01 €

### Change gear set
- 10 pieces
- for metric 0.25-6.0 mm and inch 10-36 TPI threads
- automatic longitudinal feed rate 0.16 mm/rev
- Item no. 10179
- 119.00 €  136.85 €

### Tool set
- included in delivery
- Quick-change tool post, main body size Aa (A0)
- Boring steel holder and turning tool holder size Aa (A0)
- Carbide-tipped turning tool set 10 x 10 mm, 6 pieces
- Quick-action drill chuck 1-13 mm, inner taper B16
- Drill chuck arbor MT2 and flat tang
- Item no. 10997
- 170.00 €  391.51 €
WABECO Precision Lathes D4000

✅ **Lead screw lathes** for metal processing

✅ **Silent running**
   Extremely silent running due to modern electronically adjustable drive technology

✅ **Prismatic cast iron bed**
   - made of diagonally ribbed gray cast iron
   - inductively hardened and ground guideways

✅ **Standard equipment**
   - 3-jaw lathe chuck
   - Live center MT2
   - Main spindle bore Ø 20 mm
   - Thread cutting
     with lead screw drive and change gear quadrant
     tumbler gear for left- and right-hand threads
     change gear set for metric 0.25 - 7.0 mm and inch 10 - 40 TPI threads
     2 automatic longitudinal feed rates/lead screw drive 0.085 and 0.16 mm/rev

✅ **Working range**
   - 350 mm center distance
   - 100 mm center height
   - Workpiece diameter max. 200 mm

✅ **Main drive motor** 230 V, 50/60 Hz
   - 1.4 kW, 30 - 2300 rpm

✅ **Application**
   - for hobby, model building, craft and workshop

✅ **Warranty**
   - 5 years warranty - the warranty does not cover parts subject to wear
   - Availability of spare parts also guaranteed after warranty period

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further information at www.wabeco-remseheid.de
Lathes D4000

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
<th>Original Price</th>
<th>Current Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10400V</td>
<td>3-jaw lathe chuck Ø 100 mm</td>
<td>2,999.00 €</td>
<td>3,564.95 €</td>
</tr>
<tr>
<td>10401V</td>
<td>3-jaw lathe chuck Ø 125 mm</td>
<td>3,099.00 €</td>
<td>3,683.95 €</td>
</tr>
</tbody>
</table>

Special edition with tool set

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
<th>Original Price</th>
<th>Current Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10410</td>
<td>3-jaw lathe chuck Ø 100 mm</td>
<td>3,069.00 €</td>
<td>3,710.42 €</td>
</tr>
</tbody>
</table>

Special edition:
- Carbide-tipped turning tool set 6 pieces 10x10 mm
- Knurling tool 12x12 mm
- Parting tool holder 10x10 mm with blade HSS
- Center drill set 4 pieces Ø 1.00 - 2.00 - 2.50 - 5.00 mm
- Quick-action drill chuck B16 1-13 mm with drill chuck arbor MT2

Special edition with quick-change tool post

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
<th>Original Price</th>
<th>Current Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10406</td>
<td>3-jaw lathe chuck Ø 100 mm</td>
<td>3,119.00 €</td>
<td>3,811.57 €</td>
</tr>
</tbody>
</table>

Special edition:
- Quick-change tool post main body, size Aa (A0)
- Turning tool holder, size Aa (A0)

Special edition with mountable digital vernier scales

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
<th>Original Price</th>
<th>Current Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10404</td>
<td>3-jaw lathe chuck Ø 100 mm</td>
<td>3,380.00 €</td>
<td>4,012.68 €</td>
</tr>
</tbody>
</table>

Special edition:
- Mountable digital vernier scales for 3 axes
- Factory installed

or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
## Special equipment and accessories for WABECO Lathes D4000

### Quick-action collet chuck
- **for quickly changing the workpieces**
- for clamping and unclamping of the workpieces with hand lever
- Clamping range 2 - 30 mm
- to be used up to max. 4000 rpm
- self-locking
- for dead length collets or Rubber-Flex collets
- Collets from 2 - 30 mm available - price upon request
- factory installed
- for optional retrofitting (upon request)

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
<th>Price (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10929</td>
<td></td>
<td>2,299.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2,439.50</td>
</tr>
</tbody>
</table>

### Mountable digital vernier scales
- **for precise machining of the workpieces**
- included in delivery
- 3 mountable vernier scales X-, Z- and Z1-axis
- Mounting kit for all 3 axes
- factory installed

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
<th>Price (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10425</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>448.63</td>
</tr>
</tbody>
</table>

### Digital position readout (DRO) and 2 optical scales
- **for exact positioning**
- included in delivery
- Digital position readout (DRO) for 3 axes
- 2 optical scales X- and Z-axis
- Mounting kit and protective covers
- factory installed

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
<th>Price (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10426</td>
<td></td>
<td>1,430.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2,136.05</td>
</tr>
</tbody>
</table>

### Chip- and coolant tray with splash guard
- Dimensions W1060 x D464 x H500 mm

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
<th>Price (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10456</td>
<td></td>
<td>199.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>249.90</td>
</tr>
</tbody>
</table>

### Coolant unit with splash guard
- Dimensions W1060 x D445 x H553 mm
- with feed pump 230 V, 50/60 Hz
- flexible hose with stop valve and nozzle
- Content coolant: 19 liter

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
<th>Price (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10464</td>
<td></td>
<td>495.00</td>
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<tr>
<td></td>
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<td>636.65</td>
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</tbody>
</table>
## Special equipment and accessories for WABECO Lathes D4000

<table>
<thead>
<tr>
<th>Machine base cabinet</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| • Dimensions W1060 x D445 x H850 mm  
  • with 2 lockable doors and 2 shelves  
  • Weight without packaging 58 kg | Item no. 10267  
  495.00 €  
  624.75 € |

<table>
<thead>
<tr>
<th>Milling attachment</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| • for drilling and milling works | Item no. 10470  
  299.00 €  
  355.81 € |
| included in delivery  
  • Milling attachment 130 x 100 mm  
  • Width of slots 12 mm  
  • can be rotated infinitely by 360° and traversed in 3 axes  
  • Longitudinal slide  
  • Clamping angle |

<table>
<thead>
<tr>
<th>Fixed stay</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| • for hollow turning and drilling longer workpieces  
  • is fixed to the prismatic guide | Item no. 10471  
  139.00 €  
  213.01 € |

<table>
<thead>
<tr>
<th>Adjustable longitudinal stop</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| • for longitudinal turning  
  • for protecting the lathe chuck  
  • for turning the workpieces to exactly the same position every time | Item no. 10475  
  64.00 €  
  70.21 € |

<table>
<thead>
<tr>
<th>Tool set</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| included in delivery  
  • Quick-change tool post, main body, size Aa (A0)  
  • Boring steel holder, size Aa (A0)  
  • Turning tool holder, size Aa (A0)  
  • Carbide-tipped turning tool set 10 x 10 mm, 6 pieces  
  • Quick-action drill chuck 1-13 mm, inner taper B16  
  • Drill chuck arbor MT2 and flat tang | Item no. 10997  
  170.00 €  
  391.51 € |
WABECO Precision Lathes D6000

- **Lead screw lathes** for metal processing

- **Silent running**
  Extremely silent running due to modern electronically adjustable drive technology

- **Prismatic cast iron bed**
  - made of diagonally ribbed gray cast iron
  - inductively hardened and ground guideways

- **Standard equipment**
  - 3-jaw lathe chuck Ø 125 mm
  - Live center MT2
  - Main spindle bore Ø 20 mm
  - Thread cutting
    - with lead screw drive and change gear quadrant
    - tumbler gear for left- and right-hand threads
    - change gear set for metric 0.25 - 7.0 mm and inch 10 - 40 TPI threads
    - 2 automatic longitudinal feed rates/lead screw drive 0.085 and 0.16 mm/rev

- **Special equipment**
  - Main spindle bore Ø 30 mm (item no. 10678)

- **Working range**
  - 600 mm center distance
  - 135 mm center height
  - Workpiece diameter max. 270 mm

- **Main drive motor 230 V, 50/60 Hz**
  - 1.4 kW, 30 - 2300 rpm
  - alternative
    - 2.0 kW, 50 - 5000 rpm, frequency-controlled main drive motor

- **Application**
  - for hobby, model building, craft, workshop, industry and education use
  - for single and small-series production

- **Warranty**
  - 5 years warranty - the warranty does not cover parts subject to wear
  - Availability of spare parts also guaranteed after warranty period

Further information at www.wabeco-remshcheid.de
WABECO Precision Lathes D6000

Lathes D6000

Item no. 10601V
Main drive power
1.4 kW, 30 - 2300 rpm
3,999.00 € | 4,992.05 €

Item no. 10606V
Main drive power
2.0 kW, 50 - 5000 rpm
6,399.00 € | 7,134.05 €
frequency-controlled main drive motor

Special edition
with main spindle bore Ø 30 mm

Item no. 10605
Main drive power
1.4 kW, 30 - 2300 rpm
4,239.00 € | 5,553.73 €

Special edition
• Main spindle bore Ø 30 mm
• factory installed

Special edition
with mountable digital vernier scales

Item no. 10604
Main drive power
1.4 kW, 30 - 2300 rpm
4,399.00 € | 5,479.95 €

Special edition
• Mountable digital vernier scales for 3 axes
• factory installed

Special edition
with main spindle bore Ø 30 mm
and tool set

Item no. 10610
Main drive power
1.4 kW, 30 - 2300 rpm
4,499.00 € | 6,154.68 €

Special edition
• Main spindle bore Ø 30 mm
• Turning tool set for indexable inserts 10x10 mm
• Quick-change tool post, main body, size A
• Turning tool holder and boring steel holder, size A
• Quick-action drill chuck B16 1-13 mm
• with drill chuck arbor MT2

or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
WABECO Precision Lathes

✔ Lead screw lathes for metal processing

✔ Silent running
  Extremely silent running due to modern electronically adjustable drive technology

✔ Prismatic cast iron bed
  • made of diagonally ribbed gray cast iron
  • inductively hardened and ground guideways

✔ Standard equipment
  • 3-jaw lathe chuck Ø 125 mm
  • Live center MT2
  • Main spindle bore Ø 20 mm
  • Thread cutting
    with lead screw drive and change gear quadrant
    tumbler gear for left- and right-hand threads
    change gear set for metric 0.25 - 7.0 mm and inch 10 - 40 TPI threads
  2 automatic longitudinal feed rates/lead screw drive 0.085 and 0.16 mm/U

  Special equipment
  Main spindle bore Ø 30 mm (item no. 10678)

✔ Working range
  • 600 mm center distance
  • 135 mm center height
  • Workpiece diameter max. 270 mm

✔ Main drive motor 230 V, 50/60 Hz
  • 1.4 kW, 30 - 2300 rpm
    alternative
    • 2.0 kW, 50 - 5000 rpm, frequency-controlled main drive motor

✔ Application
  • for craft, workshop, industry and education use
  • for single and small-series production

✔ Warranty
  • 5 years warranty - the warranty does not cover parts subject to wear
  • Availability of spare parts also guaranteed after warranty period

Further information at www.wabeco-remseheid.de
with installed stepper motors

Lathes **D6000-C**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Name</th>
<th>Price 1</th>
<th>Price 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1060001V</td>
<td>Lathes D6000-C</td>
<td>5,090.00 €</td>
<td>6,539.05 €</td>
</tr>
<tr>
<td>1060012V</td>
<td>Lathes D6000-C</td>
<td>7,490.00 €</td>
<td>8,681.05 €</td>
</tr>
</tbody>
</table>

- **Main drive power**
  - Item no. 1060001V: 1.4 kW, 30 - 2300 rpm
  - Item no. 1060012V: 2.0 kW, 50 - 5000 rpm

- **Frequency-controlled main drive motor**

- **with installed stepper motors**
  - for installation of a CNC controller with software as e.g. Mach CNC controller, Heidenhain controller etc.
  - 2 powerful stepper motors for controlling the X- and Z-axis
  - 2 limit switches for X- and Z-axis

- **Advantage**
  - the lathes can be used in conventional as well as in CNC mode

**Note**

To meet industrial standard safety requirements a CNC lathe should be installed into a machine safety cabin. Please refer to local safety standard requirements. **Without a machine safety cabin a CNC lathe does not meet CE listed requirements and can result in serious injuries. Extreme caution is required operating a CNC lathe.**

or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
## Special equipment and accessories for WABECO Lathes D6000

### Main spindle bore Ø 30 mm

- for workpiece Ø up to 30 mm
- with ground taper insert MT3
- cannot be retrofitted

<table>
<thead>
<tr>
<th>Special equipment</th>
<th>Item no.</th>
<th>Price €</th>
<th>with VAT €</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item no. 10678</td>
<td></td>
<td>245.00</td>
<td>561.68</td>
</tr>
</tbody>
</table>

### Ball screws for 2 axes

- for high positioning accuracy
- incl. lead screw cover
- zero backlash ball screws
- high precision pitch and positioning accuracy
- wear-free
- cannot be retrofitted

<table>
<thead>
<tr>
<th>Special equipment</th>
<th>Item no.</th>
<th>Price €</th>
<th>with VAT €</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item no. 10645</td>
<td></td>
<td>1,595.00</td>
<td>1,898.05</td>
</tr>
</tbody>
</table>

### Lead screw cover

- to protect against swarf
- to prevent premature wear and loss of precision
- cannot be retrofitted

<table>
<thead>
<tr>
<th>Special equipment</th>
<th>Item no.</th>
<th>Price €</th>
<th>with VAT €</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item no. 10680</td>
<td></td>
<td>299.00</td>
<td>357.00</td>
</tr>
</tbody>
</table>

### Quick-action collet chuck

- for quickly changing the workpieces
- for clamping and unclamping of the workpieces with hand lever
- Clamping range 2 - 30 mm
- to be used up to max. 4000 rpm
- self-locking
- for dead length collets or Rubber-Flex collets
- Collets available from 2 - 30 mm - price upon request
- factory installed
- optional retrofitting (upon request)

<table>
<thead>
<tr>
<th>Special equipment</th>
<th>Item no.</th>
<th>Price €</th>
<th>with VAT €</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item no. 10930</td>
<td></td>
<td>2,299.00</td>
<td>2,439.50</td>
</tr>
</tbody>
</table>

### Camlock D1-4 “Quick Change” option at the main spindle

- for quickly changing the Camlock lathe and collet chucks by means of the Camlock fixture
- Camlock main spindle nose according to DIN 55029 size 4
- factory installed
- cannot be retrofitted

<table>
<thead>
<tr>
<th>Special equipment</th>
<th>Item no.</th>
<th>Price €</th>
<th>with VAT €</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item no. 10640</td>
<td></td>
<td>399.00</td>
<td>474.81</td>
</tr>
</tbody>
</table>
Special equipment and accessories for WABECO Lathes D6000

### Camlock lathe chucks Ø 125 mm

<table>
<thead>
<tr>
<th></th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>suitable for Camlock D1-4 “Quick Change” option</strong></td>
<td>Item no. 10640</td>
</tr>
<tr>
<td></td>
<td>399.00 €</td>
</tr>
<tr>
<td><strong>Item no. 10625</strong></td>
<td></td>
</tr>
<tr>
<td>centrically clamping</td>
<td>399.00 €</td>
</tr>
<tr>
<td>with turning and drilling jaws and clamping key</td>
<td>399.00 €</td>
</tr>
<tr>
<td>3-jaw cast iron version</td>
<td></td>
</tr>
<tr>
<td>Item no. 10724</td>
<td></td>
</tr>
<tr>
<td>3-jaw steel version</td>
<td></td>
</tr>
<tr>
<td>Item no. 10755</td>
<td></td>
</tr>
<tr>
<td>4-jaw cast iron version</td>
<td></td>
</tr>
<tr>
<td>Item no. 10734</td>
<td></td>
</tr>
<tr>
<td>4-jaw steel version</td>
<td></td>
</tr>
<tr>
<td>Item no. 10756</td>
<td></td>
</tr>
</tbody>
</table>

### Camlock 5C collet chuck

<table>
<thead>
<tr>
<th></th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>suitable for Camlock D1-4 “Quick Change” option</strong></td>
<td>Item no. 10640</td>
</tr>
<tr>
<td></td>
<td>399.00 €</td>
</tr>
<tr>
<td><strong>Item no. 10779</strong></td>
<td></td>
</tr>
<tr>
<td>with flange</td>
<td>399.00 €</td>
</tr>
<tr>
<td>clamping range in connection with 5C collets from 2-25 mm</td>
<td>399.00 €</td>
</tr>
<tr>
<td>(5C collets are not part of the delivery)</td>
<td>399.00 €</td>
</tr>
<tr>
<td>an extremely high true running accuracy when clamping workpieces</td>
<td>399.00 €</td>
</tr>
</tbody>
</table>

### Mountable digital vernier scales

<table>
<thead>
<tr>
<th></th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>for precise machining of the workpieces</strong></td>
<td>Item no. 10625</td>
</tr>
<tr>
<td>included in delivery</td>
<td>420.00 €</td>
</tr>
<tr>
<td>3 mountable vernier scales X-, Z- and Z1-axis</td>
<td></td>
</tr>
<tr>
<td>Mounting kit for all 3 axes</td>
<td>420.00 €</td>
</tr>
<tr>
<td>factory installed</td>
<td>420.00 €</td>
</tr>
</tbody>
</table>

### Digital position readout (DRO) and 2 optical scales

<table>
<thead>
<tr>
<th></th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>for exact positioning</strong></td>
<td>Item no. 10626</td>
</tr>
<tr>
<td>included in delivery</td>
<td>1,470.00 €</td>
</tr>
<tr>
<td>Digital position readout (DRO) for 3 axes</td>
<td></td>
</tr>
<tr>
<td>2 optical scales X- and Z-axis</td>
<td>1,470.00 €</td>
</tr>
<tr>
<td>Mounting kit and protective covers</td>
<td>1,470.00 €</td>
</tr>
<tr>
<td>factory installed</td>
<td>1,470.00 €</td>
</tr>
</tbody>
</table>
## Special equipment and accessories for WABECO Lathes D6000

### Digital position readout (DRO) and 3 optical scales
- **for exact positioning**
- **included in delivery**
- Digital position readout (DRO) for 3 axes
- 3 optical scales X-, Z- and Z1-axis
- Mounting kit and protective covers
- factory installed

| Item no. 10627 | 1,749.00 € | 2,594.20 € |

### Chip- and coolant tray with splash guard
- Dimensions W1060 x D464 x H500 mm

| Item no. 10656 | 199.00 € | 296.81 € |

### Coolant unit with splash guard
- Dimensions W1060 x D445 x H553 mm
- with feed pump 230 V, 50/60 Hz
- flexible hose with stop valve and nozzle
- Content coolant: 19 liter

| Item no. 10664 | 495.00 € | 624.75 € |

### Machine base cabinet
- Dimensions W1060 x D445 x H850 mm
- with 2 lockable doors and 2 shelves
- Weight without packaging 58 kg

| Item no. 10267 | 495.00 € | 624.75 € |

### Milling attachment
- **for drilling and milling works**
- **included in delivery**
- Milling attachment 130 x 100 mm
- Width of slots 12 mm
- can be rotated infinitely by 360° and traversed in 3 axes
- Longitudinal slide
- Clamping angle

| Item no. 10671 | 299.00 € | 355.81 € |
### Special equipment and accessories for WABECO Lathes D6000

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fixed stay</strong></td>
<td></td>
</tr>
</tbody>
</table>
| - for hollow turning and drilling longer workpieces | Item no. 10670  
139.00 €  
213.01 € |
| - is fixed to the prismatic guide               |                                        |
| **Live stay**              |                                        |
| - to support long, thin shafts during longitudinal turning, prevents them from sagging | Item no. 10672  
139.00 €  
213.01 € |
| - is fixed to the tool slide               |                                        |
| **Adjustable longitudinal stop**           |                                        |
| - for longitudinal turning                       | Item no. 10675  
64.00 €  
70.21 € |
| - for protecting the lathe chuck            |                                        |
| - for turning the workpieces to exactly the same position every time |                                        |
| **Tool set**                |                                        |
| - included in delivery - Quick-change tool post, main body, size A | Item no. 10995  
190.00 €  
451.01 € |
| - Boring steel holder, size A               |                                        |
| - Turning tool holder, size A               |                                        |
| - Carbide-tipped turning tool set 10 x 10 mm, 6 pieces |                                        |
| - Quick-action drill chuck 1-13 mm, inner taper B16 |                                        |
| - Drill chuck arbor MT2 and flat tang        |                                        |

or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
with nccad controller and turning software
WABECO Precision CNC Lathes

- **Lead screw CNC lathes** for metal processing

- **Advantage** - the lathes can be used in conventional as well as in CNC mode

- **Silent running**
  Extremely silent running due to modern electronically adjustable drive technology

- **Prismatic cast iron bed**
  - made of diagonally ribbed gray cast iron
  - inductively hardened and ground guideways

- **Standard equipment**
  - 3-jaw lathe chuck Ø 125 mm
  - Live center MT2
  - Main spindle bore Ø 20 mm
  - Thread cutting
    - with lead screw drive and change gear quadrant
    - tumbler gear for left- and right-hand threads
    - change gear set for metric 0.25 - 7.0 mm and inch 10 - 40 TPI threads
    - 2 automatic longitudinal feed rates/lead screw drive 0.085 and 0.16 mm/rev

  **Special equipment**
  - Main spindle bore Ø 30 mm (item no. 10678)

- **Working range**
  - 600 mm center distance
  - 135 mm center height
  - Workpiece diameter max. 270 mm

- **Main drive motor 230 V, 50/60 Hz**
  - 1.4 kW, 30 - 2300 rpm
  alternate
  - 2.0 kW, 50 - 5000 rpm, frequency-controlled main drive motor

- **Application**
  - for craft, workshop, industry and education use
  - for single and small-series production

- **Warranty**
  - 2 years warranty - the warranty does not cover parts subject to wear
  - Availability of spare parts also guaranteed after warranty period

Further information at www.wabeco-remseide.de
with nccad BASIC controller and turning software

CNC Lathes **CC-D6000 BASIC**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
<th>Price 1</th>
<th>Price 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1060051V</td>
<td>Main drive power 1.4 kW, 30 - 2300 rpm</td>
<td>€6,499.00</td>
<td>€8,086.05</td>
</tr>
<tr>
<td>1060056V</td>
<td>Main drive power 2.0 kW, 50 - 5000 rpm</td>
<td>€8,999.00</td>
<td>€10,228.05</td>
</tr>
</tbody>
</table>

**nccad BASIC controller**
- Travel speed (rapid traverse) X- and Z-axis 30 - 500 mm/min

**nccad BASIC 2D turning software**
- 2D interpolation, i.e. 2 axes can be displaced simultaneously
- Thread cutting not possible in CNC mode

**Program creation**
- for creating programs and for controlling the CNC machine
  - a PC is required (PCs are not part of the delivery)
  - the PC assumes the program creation, the program administration and the data archiving
  - CNC programs can be created on several PCs independently from the CNC machine

**Note**
Upgrading a manual WABECO lathe with CNC components, connecting a WABECO nccad controller and a PC makes it now a high precision CNC lathe. To meet industrial standard safety requirements this to CNC converted lathe should be installed into a machine safety cabin. Please refer to local safety standard requirements. **Without a machine safety cabin a lathe converted to CNC does not meet CE listed requirements and can result in serious injuries. Extreme caution is required operating a CNC lathe.**
WABECO Precision CNC Lathes

- **Lead screw CNC lathes** for metal processing

- **Advantage** - the lathes can be used in conventional as well as in CNC mode

- **Silent running**
  Extremely silent running due to modern electronically adjustable drive technology

- **Prismatic cast iron bed**
  - made of diagonally ribbed gray cast iron
  - inductively hardened and ground guideways

- **Standard equipment**
  - 3-jaw lathe chuck Ø 125 mm
  - Live center MT2
  - Main spindle bore Ø 20 mm
  - Thread cutting
    with lead screw drive and change gear quadrant
    tumbler gear for left- and right-hand threads
    change gear set for metric 0.25 - 7.0 mm and inch 10 - 40 TPI threads
  2 automatic longitudinal feed rates/lead screw drive 0.085 and 0.16 mm/rev

- **Special equipment**
  Main spindle bore Ø 30 mm (item no. 10678)

- **Working range**
  - 600 mm center distance
  - 135 mm center height
  - Workpiece diameter max. 270 mm

- **Main drive motor 230 V, 50/60 Hz**
  - 1.4 kW, 30 - 2300 rpm
  alternative
  - 2.0 kW, 50 - 5000 rpm, frequency-controlled main drive motor

- **Application**
  - for craft, workshop, industry and education use
  - for single and small-series production

- **Warranty**
  - 2 years warranty - the warranty does not cover parts subject to wear
  - Availability of spare parts also guaranteed after warranty period
with nccad PROFESSIONAL controller and turning software

CNC Lathes **CC-D6000 PROFESSIONAL**

<table>
<thead>
<tr>
<th>Item no. 1060021V</th>
<th>9,299.00 €</th>
<th>10,823.05 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main drive power</td>
<td>1.4 kW, 30 - 2300 rpm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item no. 1060071V</th>
<th>11,799.00 €</th>
<th>12,965.05 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main drive power</td>
<td>2.0 kW, 50 - 5000 rpm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>frequency-controlled main drive motor</td>
<td></td>
</tr>
</tbody>
</table>

**nccad PROFESSIONAL controller**

Travel speed (rapid traverse) X- and Z-axis 30 - 1000 mm/min

**nccad PROFESSIONAL 2½D turning software**

- 2½D interpolation, i.e. 2 axes can be displaced simultaneously
- the 3rd axis is intended for controlling the tool turret with 8 tool positions
- Thread cutting in CAD/CAM mode

**Ball screws** are required for the utmost positioning accuracy with nccad PROFESSIONAL

**Additional functions**

- automated production through the use of the automatic tool turret with 8 tool positions (optional)
- the use of the electronic handwheel (optional)

**Program creation**

- for creating programs and for controlling the CNC machine a PC is required (PCs are not part of the delivery)
- the PC assumes the program creation, the program administration and the data archiving
- CNC programs can be created on several PCs independently from the CNC machine

**Note**

Upgrading a manual WABECO lathe with CNC components, connecting a WABECO nccad controller and a PC makes it now a high precision CNC lathe. To meet industrial standard safety requirements this to CNC converted lathe should be installed into a machine safety cabin. Please refer to local safety standard requirements. **Without a machine safety cabin a lathe converted to CNC does not meet CE listed requirements and can result in serious injuries. Extreme caution is required operating a CNC lathe.**

or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
## Special equipment and accessories for WABECO CNC Lathes CC-D6000

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Special equipment</th>
</tr>
</thead>
</table>
| **Main spindle bore Ø 30 mm** | • for workpiece Ø up to 30 mm  
• with ground taper insert MT3  
• cannot be retrofitted | Item no. 10678  
245.00 €   561.68 € |
| **Ball screws for 2 axes** | • for high positioning accuracy  
• incl. lead screw cover  
• zero backlash ball screws  
• high precision pitch and positioning accuracy  
• wear-free  
• cannot be retrofitted | Item no. 10645  
1,595.00 €  1,898.05 € |
| **Lead screw cover** | • to protect against swarf  
• to prevent premature wear and loss of precision  
• cannot be retrofitted | Item no. 10680  
299.00 €  357.00 € |
| **Quick-action collet chuck** | • for quickly changing the workpieces  
• for clamping and unclamping of the workpieces with hand lever  
• Clamping range 2 - 30 mm  
• to be used up to max. 4000 rpm  
• self-locking  
• for dead length collets or Rubber-Flex collets  
• Collets from 2 - 30 mm available - price upon request  
• factory installed  
• for optional retrofitting (upon request) | Item no. 10930  
2,299.00 €  2,439.50 € |
| **Camlock D1-4 “Quick Change” option at the main spindle** | • for quickly changing the Camlock lathe and collet chucks by means of the Camlock fixture  
• Camlock main spindle nose according to DIN 55029 size 4  
• factory installed  
• cannot be retrofitted | Item no. 10640  
399.00 €  474.81 € |
## Special equipment and accessories for WABECO CNC Lathes CC-D6000

### Camlock lathe chucks Ø 125 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Item no.</th>
<th>Price 1</th>
<th>Price 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-jaw cast iron</td>
<td>suitable for Camlock D1-4 “Quick Change” option</td>
<td>10640</td>
<td>399.00 €</td>
<td>499.80 €</td>
</tr>
<tr>
<td>3-jaw steel</td>
<td>suitable for Camlock D1-4 “Quick Change” option</td>
<td>10755</td>
<td>599.00 €</td>
<td>684.25 €</td>
</tr>
<tr>
<td>4-jaw cast iron</td>
<td>suitable for Camlock D1-4 “Quick Change” option</td>
<td>10734</td>
<td>549.00 €</td>
<td>684.25 €</td>
</tr>
<tr>
<td>4-jaw steel</td>
<td>suitable for Camlock D1-4 “Quick Change” option</td>
<td>10756</td>
<td>730.00 €</td>
<td>913.92 €</td>
</tr>
</tbody>
</table>

### Camlock 5C collet chuck

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Item no.</th>
<th>Price 1</th>
<th>Price 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-jaw cast iron</td>
<td>suitable for Camlock D1-4 “Quick Change” option</td>
<td>10640</td>
<td>399.00 €</td>
<td>499.80 €</td>
</tr>
<tr>
<td>3-jaw steel</td>
<td>suitable for Camlock D1-4 “Quick Change” option</td>
<td>10755</td>
<td>599.00 €</td>
<td>684.25 €</td>
</tr>
<tr>
<td>4-jaw cast iron</td>
<td>suitable for Camlock D1-4 “Quick Change” option</td>
<td>10734</td>
<td>549.00 €</td>
<td>684.25 €</td>
</tr>
<tr>
<td>4-jaw steel</td>
<td>suitable for Camlock D1-4 “Quick Change” option</td>
<td>10756</td>
<td>730.00 €</td>
<td>913.92 €</td>
</tr>
</tbody>
</table>

### Digital position readout (DRO) and 2 optical scales

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Item no.</th>
<th>Price 1</th>
<th>Price 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>for exact positioning</td>
<td>1060126</td>
<td>1,470.00 €</td>
<td>2,201.50 €</td>
</tr>
</tbody>
</table>

### Digital position readout (DRO) and 3 optical scales

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Item no.</th>
<th>Price 1</th>
<th>Price 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>for exact positioning</td>
<td>1060127</td>
<td>1,749.00 €</td>
<td>2,594.20 €</td>
</tr>
</tbody>
</table>

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or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
## Special equipment and accessories for WABECO CNC Lathes CC-D6000

### Machine safety cabin

<table>
<thead>
<tr>
<th>Feature</th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>to prevent accidents</td>
<td>Item no. 1060090</td>
</tr>
<tr>
<td>with integrated coolant unit</td>
<td>1,799.00 €</td>
</tr>
<tr>
<td>Content coolant 36 liter</td>
<td></td>
</tr>
<tr>
<td>Dimensions W1298 x D848 x H653 mm</td>
<td></td>
</tr>
<tr>
<td>cannot be retrofitted</td>
<td></td>
</tr>
</tbody>
</table>

**Note**

The standard EN2006/42 EG is only met in combination with a machine safety cabin. Without a machine safety cabin a CNC lathe does not meet CE listed requirements and can result in serious injuries.

### Machine base cabinet

<table>
<thead>
<tr>
<th>Feature</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions W1060 x D445 x H850 mm</td>
<td>Item no. 10267</td>
</tr>
<tr>
<td>with 2 lockable doors and 2 shelves</td>
<td>495.00 €</td>
</tr>
<tr>
<td>Weight without packaging 58 kg</td>
<td></td>
</tr>
</tbody>
</table>

### Industrial monitor with membrane keyboard

<table>
<thead>
<tr>
<th>Feature</th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>ergonomic control unit housing</td>
<td>Item no. 1060095</td>
</tr>
<tr>
<td>with integrated machine operating elements</td>
<td>2,999.00 €</td>
</tr>
<tr>
<td>with swiveling support arm</td>
<td></td>
</tr>
<tr>
<td>replaces PC monitor and keyboard</td>
<td></td>
</tr>
<tr>
<td>a PC is not part of the delivery</td>
<td></td>
</tr>
<tr>
<td>only available with machine safety cabin</td>
<td></td>
</tr>
<tr>
<td>cannot be retrofitted</td>
<td></td>
</tr>
</tbody>
</table>

### CNC tool turret

<table>
<thead>
<tr>
<th>Feature</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>for an automated production</td>
<td>Item no. 1060098</td>
</tr>
<tr>
<td>only usable in connection with nccad professional controller and turning software</td>
<td>2,099.00 €</td>
</tr>
<tr>
<td>with 8 tool positions</td>
<td></td>
</tr>
<tr>
<td>for 4 outside processing tools cross section 10 x 10 mm</td>
<td></td>
</tr>
<tr>
<td>for 4 inside processing tools location hole Ø 16 mm</td>
<td></td>
</tr>
<tr>
<td>for safety reasons only available with machine safety cabin</td>
<td></td>
</tr>
<tr>
<td>for optional retrofitting (upon request)</td>
<td></td>
</tr>
</tbody>
</table>
Special equipment and accessories for WABECO CNC Lathes CC-D6000

<table>
<thead>
<tr>
<th>Electronic handwheel</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>• for manually moving the axes</td>
<td>Item no. 1060130</td>
</tr>
<tr>
<td>• only usable in connection with nccad professional controller and turning software</td>
<td>649.00 €</td>
</tr>
<tr>
<td>• for 2 axes</td>
<td>702.10 €</td>
</tr>
<tr>
<td>• used for the positioning of the axes during the setup mode (workpiece zero point)</td>
<td></td>
</tr>
</tbody>
</table>

or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
WABECO Precision CNC Lathes CC-D6200 hs

✅ Slant bed CNC lathes for metal processing

✅ Silent running
   Extremely silent running due to modern electronically adjustable drive technology

✅ Slant bed with prismatic cast iron bed
   • made of diagonally ribbed gray cast iron
   • inductively hardened and ground guideways

✅ Standard equipment
   • 3-jaw lathe chuck Ø 125 mm
   • Main spindle bore Ø 30 mm
   • Machine safety cabin with integrated coolant unit
   • Keyboard tray with integrated machine operating elements
   • Ball screws
     with zero backlash ball screws
     high precision pitch and positioning accuracy
     wear-free
   • Lead screw cover
     to protect the lead screw against swarf
     to prevent premature wear and loss of precision
   • CNC tool turret
     with 8 tool positions

✅ Working range
   • 600 mm center distance
   • 135 mm center height
   • Workpiece diameter max. 270 mm

✅ Main drive motor 230 V, 50/60 Hz
   • 2.0 kW, 50 - 5000 rpm, frequency-controlled main drive motor

✅ Application
   • for workshop, industry, education, fixture construction, tool making, prototype construction and mold construction use
   • for series production

✅ Warranty
   • 2 years warranty - the warranty does not cover parts subject to wear
   • Availability of spare parts also guaranteed after warranty period
with nccad PROFESSIONAL controller and turning software

Lathes CC-D6200 hs PROFESSIONAL  Item no. 1060800V  19,599.00 € | 20,224.05 €

Machine base cabinet  Item no. 1120269  2,160.00 € | 2,374.05 €

✓ nccad PROFESSIONAL controller
Travel speed (rapid traverse) X- and Z-axis 30 - 1000 mm/min

✓ nccad PROFESSIONAL 2½D turning software
• 2½D interpolation, i.e. 2 axes can be displaced simultaneously
• the 3rd axis is intended for controlling the tool turret with 8 tool positions
• Thread cutting in CAD/CAM mode

✓ Program creation
• for creating programs and for controlling the CNC machine a PC is required (PCs are not part of the delivery)
• the PC assumes the program creation, the program administration and the data archiving
• CNC programs can be created on several PCs independently from the CNC machine

or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
WABECO Precision Milling Machines
or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
WABECO Precision Milling Machines

- Vertical milling machines for metal processing
- Ingenious - thanks to the quill feature with drill depth stop, unit can also be used for drilling operation
- Extremely silent - extremely silent running due to modern electronically adjustable drive technology
- Perfect
  - Tool clamping and ejecting system
  - for clamping and ejecting the tools without extra effort
- Universal
  Milling head with swiveling feature 90° in both directions

- Standard equipment
  - Tool holder MT2

- Special equipment
  Tool holder MT3 (item no. 11230)
  Tool holder ISO30 (item no. 11231)

- Main drive motor 230 V, 50/60 Hz
  - 1.4 kW, 140 - 3000 rpm
  alternative
  - 2.0 kW, 100 - 7500 rpm, frequency-controlled main drive motor

- Guides
  - Dovetail guides
    - free of play adjustable in all axes, 2 protective accordion bellows to protect dovetail guides
    - Results in clean machined surfaces due to fine adjustable, fine tunable dovetail guides
  alternative
  - Maintenance-free linear guides
    - hardened and ground in all axes, with ball bearings
    - high precision and rigidity
    - high workpiece accuracy
    - improved surface quality
    - 4 protective accordion bellows to protect linear guides
    - Results in clean machined surfaces due to fine adjustable, fine tunable dovetail guides

- Application
  - perfect for hobby, model building, craft and workshop
  - for single and small-series production

- Warranty
  - 5 years warranty - the warranty does not cover parts subject to wear
  - Availability of spare parts also guaranteed after warranty period

Further information at www.wabeco-remseed.de
or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
WABECO Precision Milling Machines

Milling Machine F1200
Item no. 11200V
2,499.00 € | 3,034.50 €
Main drive power
1.4 kW, 140 - 3000 rpm

Milling Machine F1200 hs
Item no. 11202V
4,449.00 € | 4,938.50 €
Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor

Milling Machine F1210
Item no. 11400V
2,749.00 € | 3,391.50 €
Main drive power
1.4 kW, 140 - 3000 rpm

Milling Machine F1210 hs
Item no. 11402V
4,699.00 € | 5,381.50 €
Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor

Work Table
• 450 x 180 mm

Working range
• 260 mm longitudinal travel X-axis
• 150 mm transverse travel Y-axis
• 280 mm vertical travel Z-axis

Work Table
• 700 x 180 mm

Working range
• 500 mm longitudinal travel X-axis
• 150 mm transverse travel Y-axis
• 280 mm vertical travel Z-axis

with dovetail guides
WABECO Precision Milling Machines

Milling Machine F1410 LF
Item no. 16400V
5,299.00 € | 6,182.05 €
Main drive power
1.4 kW, 140 - 3000 rpm

with linear guides
Work Table
• 700 x 180 mm
Working range
• 500 mm longitudinal travel X-axis
• 200 mm transverse travel Y-axis
• 280 mm vertical travel Z-axis

Milling Machine F1410 LF hs
Item no. 16402V
7,199.00 € | 7,729.05 €
Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor

or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
Special editions for WABECO Milling Machines

Milling Machine F1200

Item no. 11200V 2,499.00 € | 3,034.50 €

with
dovetail guides

Work Table
• 450 x 180 mm

Working range
• 260 mm longitudinal travel X-axis
• 150 mm transverse travel Y-axis
• 280 mm vertical travel Z-axis

Main drive power
• 1.4 kW, 140 - 3000 rpm

Special edition with tool holder IS030

Item no. 11206 2,679.00 € | 3,451.90 €

Special edition
• Tool holder IS030
• Steep taper IS030 (DIN 2080) and tightening thread M12
• factory installed

Special edition with mountable digital vernier scales

Item no. 11204 2,869.00 € | 3,489.08 €

Special edition
• Mountable digital vernier scales for 3 axes
• factory installed

Special edition with tool set

Item no. 11208 2,599.00 € | 3,354.61 €

Special edition
• Dividing attachment Ø 110 mm
• Quick-action drill chuck B16 1-13 mm with drill chuck arbor MT2
Special editions for WABECO Milling Machines

Milling Machine F1210
Item no. 11400V  2,749.00 €  |  3,391.50 €

with dovetail guides

Work Table
• 700 x 180 mm

Working range
• 500 mm longitudinal travel X-axis
• 150 mm transverse travel Y-axis
• 280 mm vertical travel Z-axis

Main drive power
• 1.4 kW, 140 - 3000 rpm

Special edition with tool holder ISO30
Item no. 11406  2,929.00 €  |  3,808.00 €

Special edition
• Tool holder ISO30
• Steep taper ISO30 (DIN 2080) and tightening thread M12
• factory installed

Special edition with mountable digital vernier scales
Item no. 11404  3,149.00 €  |  3,897.25 €

Special edition
• Mountable digital vernier scales for 3 axes
• factory installed

Special edition with tool set
Item no. 11408  2,879.00 €  |  3,759.21 €

Special edition
• Dividing attachment Ø 110 mm
• Quick-action drill chuck B16 1-13 mm
• with drill chuck arbor MT2
WABECO Precision Milling Machines

- Vertical milling machines for metal processing
- with installed stepper motors and limit switches for installation of a CNC controller with software as e.g. Mach CNC controller, Heidenhain controller etc.
- Advantage - the milling machine can be used in conventional as well as in CNC mode
- Igenius - thanks to the quill feature with drill depth stop, unit can also be used for drilling operation
- Extremely silent - Extremely silent running due to modern electronically adjustable drive technology
- Perfect
  - Tool clamping and ejecting system
  - for clamping and ejecting the tools without extra effort
- Universal
  - Milling head with swiveling feature 90° in both directions

- Standard equipment
  - Tool holder MT2
- Special equipment
  - Tool holder MT3 (item no. 11230)
  - Tool holder ISO30 (item no. 11231)

- Main drive motor 230 V, 50/60 Hz
  - 1.4 kW, 140 - 3000 rpm
  - alternative
  - 2.0 kW, 100 - 7500 rpm, frequency-controlled main drive motor

- Guides
  - Dovetail guides
    - free of play adjustable in all axes, 2 protective accordion bellows to protect dovetail guides
    - Results in clean machined surfaces due to fine adjustable, fine tunable dovetail guides
  - Maintenance-free linear guides
    - hardened and ground in all axes, with ball bearings
    - high precision and rigidity, high workpiece accuracy
    - improved surface quality
    - 4 protective accordion bellows to protect linear guides
    - Results in clean machined surfaces due to fine adjustable, fine tunable dovetail guides

- Application
  - for hobby, model building, craft, workshop and industry use
  - for single and small-series production

- Warranty
  - 5 years warranty - the warranty does not cover parts subject to wear
  - Availability of spare parts also guaranteed after warranty period

further information at www.wabeco-remescheid.de
with installed stepper motors

Milling Machine F1200-C

Milling Machine F1200-C hs

Milling Machine F1210-C

Milling Machine F1210-C hs

Milling Machine F1410-C LF

Milling Machine F1410-C LF hs

or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
WABECO Precision Milling Machines

Milling Machine F1200-C
Item no. 1120001V
**4,075.00 €** | **4,996.81 €**
Main drive power
1.4 kW, 140 - 3000 rpm

with dovetail guides
Work Table
- **450 x 180 mm**

Working range
- **260 mm** longitudinal travel X-axis
- **150 mm** transverse travel Y-axis
- **280 mm** vertical travel Z-axis

Milling Machine F1200-C hs
Item no. 1120002V
**5,975.00 €** | **6,543.81 €**
Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor

Milling Machine F1210-C
Item no. 1140001V
**4,325.00 €** | **5,353.81 €**
Main drive power
1.4 kW, 140 - 3000 rpm

with dovetail guides
Work Table
- **700 x 180 mm**

Working range
- **500 mm** longitudinal travel X-axis
- **150 mm** transverse travel Y-axis
- **280 mm** vertical travel Z-axis

Milling Machine F1210-C hs
Item no. 1140002V
**6,275.00 €** | **6,900.81 €**
Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor

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further information at www.wabeco-remshald.de
with installed stepper motors

- for installation of a CNC controller with software as e.g. Mach CNC controller, Heidenhain controller etc.
- 3 powerful stepper motors for controlling the X-, Y- and Z-axis
- 3 limit switches for X-, Y- and Z-axis

Advantage
the milling machines can be used in conventional as well as in CNC mode

Note
To meet industrial standard safety requirements a CNC milling machine should be installed into a machine safety cabin. Please refer to local safety standard requirements. Without a machine safety cabin a CNC milling machine does not meet CE listed requirements and can result in serious injuries. Extreme caution is required operating a CNC lathe.
## Special equipment and accessories for WABECO Milling Machines

### Tool holder MT3

- Morse taper MT3 - tightening thread M12
- cannot be retrofitted

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>11230</td>
<td>199.00 €</td>
</tr>
</tbody>
</table>

### Tool holder ISO30

- Steep taper ISO30 (DIN 2080) - tightening thread M12
- cannot be retrofitted

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>11231</td>
<td>199.00 €</td>
</tr>
</tbody>
</table>

### Ball screws for all 3 axes

- for high positioning accuracy
- high precision pitch and positioning accuracy
- wear-free
- Down and up milling
- cannot be retrofitted
- Counterbalance adjustment in the Z-axis (just for F1410)

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>11245 for F1200</td>
<td>1,095.00 €</td>
</tr>
<tr>
<td>11445 for F1210</td>
<td>1,195.00 €</td>
</tr>
<tr>
<td>16445 for F1410</td>
<td>1,795.00 €</td>
</tr>
</tbody>
</table>

### Extension for Y-travel

- for larger working range
- for Milling Machines F1200 and F1210
- max. travel path 180 mm
- cannot be retrofitted

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>11235</td>
<td>389.00 €</td>
</tr>
</tbody>
</table>

### Clockwise and counter clockwise rotation

- for thread boring
- only in conjunction with 1.4 kW motor
- cannot be retrofitted

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>11234</td>
<td>69.00 €</td>
</tr>
</tbody>
</table>

### Mountable digital vernier scales

- for precise machining of the workpieces
  - included in delivery
  - 3 mountable digital vernier scales for X-, Y- and Z-axis
  - Mounting kit for all 3 axes
  - factory installed

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>11225 for F1200</td>
<td>399.00 €</td>
</tr>
<tr>
<td>11425 for F1210</td>
<td>429.00 €</td>
</tr>
</tbody>
</table>

Further information at [www.wabeco-remshcheid.de](http://www.wabeco-remshcheid.de)
## Special equipment and accessories for WABECO Milling Machines

<table>
<thead>
<tr>
<th>Digital position readout (DRO) and 3 optical scales</th>
<th>Special equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Digital position readout (DRO) and 3 optical scales" /></td>
<td><strong>Item no. 11226 for F1200</strong></td>
</tr>
<tr>
<td>• for exact positioning</td>
<td><strong>1,649.00 €</strong></td>
</tr>
<tr>
<td>included in delivery</td>
<td><strong>2,499.00 €</strong></td>
</tr>
<tr>
<td>• Digital position readout (DRO) for 3 axes</td>
<td><strong>Item no. 11426 for F1210</strong></td>
</tr>
<tr>
<td>• 3 optical scales X- Z- and Z1-axis</td>
<td><strong>1,699.00 €</strong></td>
</tr>
<tr>
<td>• Mounting kit and protective covers</td>
<td><strong>2,594.20 €</strong></td>
</tr>
<tr>
<td>• factory installed</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Machine base cabinet</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Machine base cabinet" /></td>
<td><strong>Item no. 11267</strong></td>
</tr>
<tr>
<td>• Dimensions W700 x D445 x H850 mm</td>
<td><strong>419.00 €</strong></td>
</tr>
<tr>
<td>• with 2 lockable doors and 2 shelves</td>
<td><strong>547.40 €</strong></td>
</tr>
<tr>
<td>• weight without packaging 46 kg</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coolant unit</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Coolant unit" /></td>
<td><strong>Item no. 11264</strong></td>
</tr>
<tr>
<td>• Dimensions W700 x D445 x H258 mm</td>
<td><strong>385.00 €</strong></td>
</tr>
<tr>
<td>• with feed pump 230 V, 50/60 Hz</td>
<td><strong>476.00 €</strong></td>
</tr>
<tr>
<td>• flexible hose with stop valve and nozzle</td>
<td></td>
</tr>
<tr>
<td>• Content coolant: 13 Liter</td>
<td></td>
</tr>
<tr>
<td><strong>Application</strong></td>
<td></td>
</tr>
<tr>
<td>• for cooling and lubrication</td>
<td></td>
</tr>
<tr>
<td>• e.g. when processing high-alloy steel and aluminum, improves the surface finish, increases tool endurance, prevents build-up edges</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coolant return plate</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Coolant return plate" /></td>
<td><strong>Item no. 11265</strong></td>
</tr>
<tr>
<td>• for milling machines F1210 and F1410 LF</td>
<td><strong>29.90 €</strong></td>
</tr>
<tr>
<td>• is hooked into the coolant unit</td>
<td><strong>34.51 €</strong></td>
</tr>
</tbody>
</table>
### Control unit and electronic manual operating unit for automatic feeds

- the control unit and electronic handwheel are used to control the automatic X-, Y- and/or Z-axis feeds
- automatic feed and manual operation selection options
- improved surface quality

**Control unit**
- 230V, 50/60 Hz
- ON/OFF switch
- 3 plug connections for X-, Y- and Z-axis
- 1 plug connection for the electronic manual operating unit
- In case of an overload and at the end of the traversal path, the control unit deactivates the automatic feed

**Electronic manual operating unit**
- Potentiometer for adjusting the travel speed
- Continuous travel speed is infinitely variable
- Travel speed 5 - 1500 mm/min
- Selector switch for X-, Y- and Z-axes
- Push button for selection of the traversal direction
- For safety reasons, the milling machine will only traverse if the push button is pressed

<table>
<thead>
<tr>
<th>Control unit and electronic manual operating unit for automatic feeds</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item no. 11280</td>
<td>439.00 €</td>
</tr>
</tbody>
</table>

### Automatic feed X-axis

- for traveling the X-axis with a stepper motor
- Each axis can be retrofitted individually
- Mounting by the customer

<table>
<thead>
<tr>
<th>Automatic feed X-axis</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item no. 11281</td>
<td>299.00 €</td>
</tr>
</tbody>
</table>

### Automatic feed Y-axis

- for traveling the Y-axis with a stepper motor
- Each axis can be retrofitted individually
- Mounting by the customer

<table>
<thead>
<tr>
<th>Automatic feed Y-axis</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item no. 11282</td>
<td>299.00 €</td>
</tr>
</tbody>
</table>

### Automatic feed Z-axis

- for traveling the Z-axis with a stepper motor
- Each axis can be retrofitted individually
- Mounting by the customer

<table>
<thead>
<tr>
<th>Automatic feed Z-axis</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item no. 11283</td>
<td>299.00 €</td>
</tr>
</tbody>
</table>
## Special equipment and accessories for WABECO Milling Machines

<table>
<thead>
<tr>
<th>Special equipment</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Factory installation of the automatic feeds</td>
<td></td>
</tr>
<tr>
<td>- factory installation of the automatic feed axis</td>
<td>Item no. 11284</td>
</tr>
<tr>
<td>- price per axis</td>
<td>45.00 €, 53.55 €</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mounting bracket for WABECO Milling Machines</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>- for high speed motors, high frequency spindles, drilling machines etc.</td>
<td>Item no. 11238</td>
</tr>
<tr>
<td>- with Euronorm mounting Ø 43 mm</td>
<td>189.00 €, 201.11 €</td>
</tr>
<tr>
<td>- swiveling feature 90° in both directions</td>
<td></td>
</tr>
<tr>
<td>- outreach 185 mm</td>
<td></td>
</tr>
<tr>
<td>- suitable for WABECO milling machines</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tool set for WABECO Milling Machines</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>included in delivery</td>
<td>Item no. 11997</td>
</tr>
<tr>
<td>- Machine vice 125 mm</td>
<td>530.00 €, 831.81 €</td>
</tr>
<tr>
<td>- Mill set “Titanium”-coated 20 pieces</td>
<td></td>
</tr>
<tr>
<td>- Collet set MT2 16 pieces</td>
<td></td>
</tr>
<tr>
<td>- Step clamp set 58 pieces</td>
<td></td>
</tr>
<tr>
<td>for 12 mm T-slot width M10 thread</td>
<td></td>
</tr>
<tr>
<td>- Quick-action drill chuck clamping width 1-13 mm inner taper B16</td>
<td></td>
</tr>
<tr>
<td>- Drill chuck arbor MT2-M10</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tool set for WABECO milling machines</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>included in delivery</td>
<td>Item no. 11999</td>
</tr>
<tr>
<td>- Machine vice 100 mm</td>
<td>320.00 €, 493.85 €</td>
</tr>
<tr>
<td>- Mill set “Titanium”-coated 20 pieces</td>
<td></td>
</tr>
<tr>
<td>- Collet chuck MT2-M10 with key</td>
<td></td>
</tr>
<tr>
<td>- 4 collets Ø 6 - 10 - 12 - 16 mm</td>
<td></td>
</tr>
</tbody>
</table>
WABECO Precision CNC Milling Machines
with nccad controller and milling software
WABECO Precision CNC Milling Machines

- Vertical CNC milling machines for metal processing
- with nccad controller and milling software
  - nccad BASIC controller and milling software
  - alternative
  - nccad PROFESSIONAL controller and milling software

**Advantage** - the milling machine can be used in conventional as well as in CNC mode

**Silent running** - Extremely silent running due to modern electronically adjustable drive technology

**Perfect**
- Tool clamping and ejecting system
- for clamping and ejecting the tools without extra effort

**Standard equipment**
- Tool holder MT2

**Special equipment**
- Tool holder MT3 (item no. 11230)
- Tool holder ISO30 (item no. 11231)

**Main drive motor 230 V, 50/60 Hz**
- 1.4 kW, 140 - 3000 rpm
- alternative
- 2.0 kW, 100 - 7500 rpm, frequency-controlled main drive motor

**Guides**

**Dovetail guides**
- free of play adjustable in all axes, 2 protective accordion bellows to protect dovetail guides
- Results in clean machined surfaces due to fine adjustable, fine tunable dovetail guides
- alternative

**Maintenance-free linear guides**
- hardened and ground in all axes, with ball bearings
- high precision and rigidity, high workpiece accuracy
- improved surface quality
- 4 protective accordion bellows to protect linear guides
- results in clean machined surfaces due to fine adjustable, fine tunable dovetail guides

**Application**
- perfect for hobby, model building, craft and workshop
- for single and small-series production

**Warranty**
- 2 years warranty - the warranty does not cover parts subject to wear
- Availability of spare parts also guaranteed after warranty period

Further information at www.wabeco-remscheid.de
with nccad controller and milling software

CNC Milling Machine CC-F1200

CNC Milling Machine CC-F1200 hs

CNC Milling Machine CC-F1210

CNC Milling Machine CC-F1210 hs

CNC Milling Machine CC-F1410 LF

CNC Milling Machine CC-F1410 LF hs
WABECO Precision CNC Milling Machines

Milling Machine CC-F1200
Item no. 1120050V
4,999.00 € | 6,069.00 €
Main drive power
1.4 kW, 140 - 3000 rpm

with dovetail guides
Work Table
- 450 x 180 mm
Working range
- 260 mm longitudinal travel X-axis
- 150 mm transverse travel Y-axis
- 280 mm vertical travel Z-axis

Milling Machine CC-F1200 hs
Item no. 1120052V
6,999.00 € | 7,616.00 €
Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor

Milling Machine CC-F1210
Item no. 1140050V
5,249.00 € | 6,426.00 €
Main drive power
1.4 kW, 140 - 3000 rpm

with dovetail guides
Work Table
- 700 x 180 mm
Working range
- 500 mm longitudinal travel X-axis
- 150 mm transverse travel Y-axis
- 280 mm vertical travel Z-axis

Milling Machine CC-F1210 hs
Item no. 1140052V
7,249.00 € | 7,973.00 €
Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor

Further information at www.wabeco-remschemeid.de
with nccad BASIC controller and milling software

Milling Machine CC-F1410 LF
Item no. 1640050V

8,049.00 € | 9,216.55 €
Main drive power
1.4 kW, 140 - 3000 rpm

Milling Machine CC-F1410 LF hs
Item no. 1640052V

10,049.00 € | 10,763.55 €
Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor

✅ nccad BASIC controller
- Travel speed (rapid traverse) X- and Y-axis 30 - 600 mm/min
- Travel speed (rapid traverse) Z-axis 30 - 400 mm/min

✅ nccad BASIC 2½D Software
2½D Interpolation, i.e. 2 axes can be displaced simultaneously, the 3rd axis can be fed when required

✅ Program creation
- for creating programs and for controlling the CNC machine a PC is required
  (PCs are not part of the delivery)
- the PC assumes the program creation, the program administration and the data archiving
- CNC programs can be created on several PCs independently from the CNC machine

Note
Upgrading a manual WABECO milling machine with CNC components, connecting a WABECO nccad controller and a PC makes it now a high precision CNC milling machine. To meet industrial standard safety requirements this to CNC converted milling machine should be installed into a machine safety cabin. Please refer to local safety standard requirements. **Without a machine safety cabin a milling machine converted to CNC does not meet CE listed requirements and can result in serious injuries.**

or in the current WABECO catalog - we shall be pleased to consult with you personally +49 2191 597-0
WABECO Precision CNC Milling Machines

Milling Machine CC-F1200
Item no. 1120011V
7,249.00 € | 8,568.00 €
Main drive power
1.4 kW, 140 - 3000 rpm

Milling Machine CC-F1200 hs
Item no. 1120013V
9,249.00 € | 10,115.00 €
Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor

Milling Machine CC-F1210
Item no. 1140011V
7,499.00 € | 8,925.00 €
Main drive power
1.4 kW, 140 - 3000 rpm

Milling Machine CC-F1210 hs
Item no. 1140013V
9,499.00 € | 10,472.00 €
Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor
with nccad PROFESSIONAL milling software

Milling Machine CC-F1410 LF
Item no. 1640011V

10,199.00 € | 11,715.55 €

Main drive power
1.4 kW, 140 - 3000 rpm

nccad PROFESSIONAL controller
Travel speed (rapid traverse)
X- and Y-axis 30 - 1200 mm/min - Z-axis 30 - 800 mm/min

nccad PROFESSIONAL 3D software
3D interpolation, i.e. 3 axes can be displaced simultaneously,
the 4th axis used for controlling the NC-rotary table

Ball screws
are required for the utmost positioning accuracy with nccad PROFESSIONAL

Additional functions
• higher travel speeds compared to nccad basic controller
• automated production through the use of the NC-rotary table in CNC mode (optional)
• the use of an electronic handwheel (optional)

Program creation
• for creating programs and for controlling the CNC machine a PC is required
(PCS are not part of the delivery)
• the PC assumes the program creation, the program administration and the data archiving
• CNC programs can be created on several PCs independently from the CNC machine

Note
Upgrading a manual WABECO milling machine with CNC components, connecting a WABECO nccad controller and a PC makes it now a high precision CNC milling machine. To meet industrial standard safety requirements this to CNC converted milling machine should be installed into a machine safety cabin. Please refer to local safety standard requirements. Without a machine safety cabin a milling machine converted to CNC does not meet CE listed requirements and can result in serious injuries.

Milling Machine CC-F1410 LF hs
Item no. 1640013V

12,199.00 € | 13,262.55 €

Main drive power
2.0 kW, 100 - 7500 rpm
frequency-controlled main drive motor

Work Table
• 700 x 180 mm

Working range
• 500 mm longitudinal travel X-axis
• 200 mm transverse travel Y-axis
• 280 mm vertical travel Z-axis

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### Special equipment and Accessories for WABECO CNC Milling Machines

<table>
<thead>
<tr>
<th>Tool holder MT3</th>
<th>Special equipment</th>
</tr>
</thead>
</table>
| ![Tool holder MT3](image1) | • Morse taper MT3 - tightening thread M12  
• cannot be retrofitted  
Item no. 11230  
199.00 €  
416.50 € |

<table>
<thead>
<tr>
<th>Tool holder ISO30</th>
<th>Special equipment</th>
</tr>
</thead>
</table>
| ![Tool holder ISO30](image2) | • Steep taper ISO30 (DIN 2080) - tightening thread M12  
• cannot be retrofitted  
Item no. 11231  
199.00 €  
416.50 € |

<table>
<thead>
<tr>
<th>Ball screws for all 3 axes</th>
<th>Special equipment</th>
</tr>
</thead>
</table>
| ![Ball screws](image3) | • for high positioning accuracy  
• high precision pitch and positioning accuracy  
• wear-free  
• Down and up milling  
• cannot be retrofitted  
• Counterbalance adjustment in the Z-axis  
(just for CC-F1410)  
Item no. 11245 for CC-F1200  
1,095.00 €  
1,368.50 €  
Item no. 11445 for CC-F1210  
1,195.00 €  
1,487.50 €  
Item no. 16445 for CC-F1410  
1,795.00 €  
2,136.95 € |

<table>
<thead>
<tr>
<th>Extension for Y-travel</th>
<th>Special equipment</th>
</tr>
</thead>
</table>
| ![Extension for Y-travel](image4) | • for larger working range  
• for milling machines CC-F1200 and CC-F1210  
• max. travel path 180 mm  
• cannot be retrofitted  
Item no. 11235  
389.00 €  
476.00 € |

<table>
<thead>
<tr>
<th>Digital position readout (DRO) and 3 optical scales</th>
<th>Special equipment</th>
</tr>
</thead>
</table>
| ![Digital position readout](image5) | • for exact positioning  
included in delivery  
• Digital position readout (DRO) for 3 axes  
• 3 optical scales X-, Y- and Z-axis  
• Mounting kit and protective covers  
• factory installed  
Item no. 1120226 for CC-F1200  
1,649.00 €  
2,499.00 €  
Item no. 1140426 for CC-F1210  
1,699.00 €  
2,594.20 €  
Item no. 1640426 for CC-F1410  
1,699.00 €  
2,594.20 € |
### Special equipment and Accessories for WABECO CNC Milling Machines

#### Machine safety cabin

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| Item no. 1140090 | for CNC milling machines CC-F1200 and CC-F1210  
| | with integrated coolant unit  
| | Content coolant 42 Liter  
| | Dimensions W1500 x D700 x H475 mm  
| | cannot be retrofitted  
| | 1,599.00 €  
| | 1,844.50 €  

#### Machine base cabinet

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| Item no. 10267 | for machine safety cabin  
| | item no. 1140090  
| | Dimensions W1060 x D445 x H850 mm  
| | with 2 lockable doors and 2 shelves  
| | Weight without packaging 58 kg  
| | 495.00 €  
| | 624.75 €  

#### Machine safety cabin

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| Item no. 1640090 | for CNC milling machines CC-F1410 LF  
| | with integrated coolant unit  
| | Content coolant 58 Liter  
| | Dimensions W1530 x D950 x H475 mm  
| | cannot be retrofitted  
| | 1,849.00 €  
| | 2,082.50 €  

#### Machine base cabinet

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| Item no. 11270 | for machine safety cabin  
| | item no. 1640090  
| | Dimensions W1000 x D700 x H850 mm  
| | with 2 lockable doors and 2 shelves  
| | Weight without packaging 76 kg  
| | 779.00 €  
| | 880.60 €  

#### Industrial monitor with membrane keyboard

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| Item no. 1140095 | ergonomic control unit housing with integrated machine operating elements  
| | with swiveling support arm  
| | replaces PC monitor and keyboard  
| | a PC is not part of the delivery  
| | only available with machine safety cabin  
| | cannot be retrofitted  
| | 2,999.00 €  
| | 3,510.50 €  

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## Special equipment and Accessories for WABECO CNC Milling Machines

### Machine base cabinet

<table>
<thead>
<tr>
<th>Item no. 11267</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions W700 x D445 x H850 mm</td>
<td>419.00 € 547.40 €</td>
</tr>
<tr>
<td>with lockable door and 2 shelves</td>
<td></td>
</tr>
<tr>
<td>Weight without packaging 46 kg</td>
<td></td>
</tr>
</tbody>
</table>

### Coolant unit

<table>
<thead>
<tr>
<th>Item no. 11264</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions W700 x D445 x H258 mm</td>
<td>385.00 € 476.00 €</td>
</tr>
<tr>
<td>with feed pump 230 V, 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>flexible hose with stop valve and nozzle</td>
<td></td>
</tr>
<tr>
<td>Content coolant: 13 Liter</td>
<td></td>
</tr>
</tbody>
</table>

#### Application
- for cooling and lubrication
- e.g. when processing high-alloy steel and aluminum, improves the surface finish, increases tool endurance, prevents build-up edges

### Coolant return plate

<table>
<thead>
<tr>
<th>Item no. 11265</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>for milling machines CC-F1210 and CC-F1410 LF</td>
<td>29.90 € 34.51 €</td>
</tr>
<tr>
<td>is hooked into the coolant unit</td>
<td></td>
</tr>
</tbody>
</table>

### NC-rotary table

<table>
<thead>
<tr>
<th>Item no. 1140085</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>for 4-axes machining</td>
<td>849.00 € 1,059.10 €</td>
</tr>
<tr>
<td>can only be used in conjunction with nccad professional controller and milling software</td>
<td></td>
</tr>
<tr>
<td>the NC-rotary table is indispensable for rotational machining in one clamping position</td>
<td></td>
</tr>
<tr>
<td>can be mounted to the work table vertically or horizontally</td>
<td></td>
</tr>
<tr>
<td>for safety reasons only available with machine safety cabin</td>
<td></td>
</tr>
</tbody>
</table>
## Special equipment and Accessories for WABECO CNC Milling Machines

<table>
<thead>
<tr>
<th>Electronic handwheel</th>
<th>Accessories</th>
</tr>
</thead>
</table>
| ![Electronic handwheel](image) | • for manually moving the axes  
• can only be used in conjunction with nccad professional controller and milling software  
• for 3 axes  
• used for the positioning of the axes during the setup mode (workpiece zero point)  
Item no. 1140130 | 649.00 €  
702.10 € |

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