The producer of high efficient bevelling systems

Fabricante de sistemas de biselado de alta eficacia

Producteur de systèmes de chanfreinage extrêmement efficaces
B-LINE
hand held bevelling
and deburring machines

pages 4 - 19
UZ-LINE
bevelling machines
with automatic feeding

pages 22 - 39
<table>
<thead>
<tr>
<th>Type</th>
<th>Drive</th>
<th>Max. Bevel width</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2 AIR</td>
<td>pneumatic</td>
<td>2 mm / 0.08 in</td>
</tr>
<tr>
<td>B3</td>
<td>electric</td>
<td>3 mm / 0.12 in</td>
</tr>
<tr>
<td>B10 ELECTRA</td>
<td>electric</td>
<td>10 mm / 0.4 in</td>
</tr>
<tr>
<td>B-Dock + B10 ELECTRA set</td>
<td>electric</td>
<td>5 mm / 0.2 in</td>
</tr>
<tr>
<td>B15 ELECTRA</td>
<td>electric</td>
<td>15 mm / 0.6 in</td>
</tr>
<tr>
<td>B-Dock + B15 ELECTRA set</td>
<td>electric</td>
<td>5 mm / 0.2 in</td>
</tr>
<tr>
<td>B15 AIR</td>
<td>pneumatic</td>
<td>15 mm / 0.6 in</td>
</tr>
<tr>
<td>B22 ZERO</td>
<td>electric</td>
<td>20 mm / 0.83 in</td>
</tr>
<tr>
<td>Bevel angle</td>
<td>Rounding of the edge</td>
<td>Feeding</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------------</td>
<td>----------</td>
</tr>
<tr>
<td>45°</td>
<td>R 1.5 mm / 0.04 in</td>
<td>manual</td>
</tr>
<tr>
<td>30° - 60°</td>
<td>no</td>
<td>manual</td>
</tr>
<tr>
<td>30°, 37.5°, 45°</td>
<td>R 2.5 mm / 0.08 in</td>
<td>manual</td>
</tr>
<tr>
<td>30°, 37.5°, 45°</td>
<td>R 3.5 mm / 0.12 in</td>
<td>manual</td>
</tr>
<tr>
<td>30°, 37.5°, 45°</td>
<td>R 4 mm / 0.16 in</td>
<td>manual</td>
</tr>
<tr>
<td>30°, 37.5°, 45°</td>
<td>R 2.5 mm / 0.08 in</td>
<td>manual</td>
</tr>
<tr>
<td>30°, 37.5°, 45°</td>
<td>R 3.5 mm / 0.12 in</td>
<td>manual</td>
</tr>
<tr>
<td>30°, 37.5°, 45°</td>
<td>R 4 mm / 0.16 in</td>
<td>manual</td>
</tr>
<tr>
<td>0° - 60° FACING</td>
<td>no</td>
<td>manual</td>
</tr>
</tbody>
</table>

**Application FACING 0°**

**NEW PRODUCT!**

**NEW PRODUCT!**

**Great ergonomics**
B2 AIR deburring system
Maximum bevel width 2 mm / 0.08 in. Edge rounding function.

B2 Air

Art. Nr. 24200

Ergonomic body of the machine

Weight only 400g

Precise scale of machining depth adjustment

Thousands of satisfied customers throughout the world
Designed for deburring and rounding edges of steel, stainless steel, aluminum and other workpieces. Suitable for machining holes from the internal diameter of 6.8 mm / 0.24 in.

- The compact design offers great ergonomics.
- Weight only 400 g / 0.88 lb.
- Edge machining by rounding R1.5 mm / 0.06 in - edge preparation before painting.
- Powerful and reliable pneumatic drive.
- Precision machining scale allows for more precise machining.

Technical data:
- Bevel angle: 45°
- Bevel width (hypotenuse): 2 mm / 0.08 in as a maximum
- Rounding radius: R 1.5 mm / 0.06 in
- Speed: 23,000 rpm.
- Feeding: manual
- Air consumption: 320 l/min
- Dimensions: 112 x 60 x 48 mm / 4.4 x 2.36 x 1.9 in
- Weight: 400 g / 0.88 lb
- Number of cutting inserts: 3 pcs

Included in price:
- B2 AIR deburring system - fitted with head with cutting inserts.
- Tools for an operators.
- Packed in a cardboard.
- User manual.

Machine name: | Art. Nr.
---|---
B2 AIR deburring system - fitted with head with cutting inserts | 24200

Accessories: | Art. Nr.
---|---
Inserts B2 AIR (pack of 10 pcs) | 24201
Inserts radius R1.5mm (pack of 10 pcs) | 24202
Inserts B2 AIR, coated (pack of 10 pcs) | 24204
Pneumatic set with quick couplings (contains: FRL - filtration, regulator and lubrication unit, quick couplings, hoses 10 m) | 24203
Screw for the inserts | 7252F-04

Art. Nr. 24203

Art. Nr. 24201

Art. Nr. 24204

Art. Nr. 24202

Immediately from our warehouse
Deburring system B3
Maximum bevel width of 3 mm / 0.12 in. Adjustable machining angle.

Art. Nr. 28220 (3 Phase - 400 V)
Art. Nr. 28211 (1 Phase - 110 V)

Precise guidance
Setting of deburing angle
Machining depth adjustment

Thousands of satisfied customers throughout the world
Designed for deburring and bevelling of steel parts and workpieces. Processing of different types of materials. Solid and stable machine design.

- Scale for machining depth adjustment.
- Protective safety covers.
- Adjustable machining angle.
- For steel, stainless steel, aluminium and other materials.
- Precise, massive and over-long plate fences.

**Technical data:**

Bevel angle: 30° - 60° continuously adjustable  
Bevel width: 0 - 3 mm / 0.12 in - 400 MPa / 58 015 PSI  
Motor: 1300 W  
Speed: 3 600 rpm  
Feed: manual  
Weight: 31 kg / 68 lb  
Dimensions: 530 x 420 x 410 mm / 21 x 16.5 x 16.1 in  
Number of cutting tips: 5 pcs (four-sided)

**Included in price:**

- Bevelling system complete - fitted with head and cutting inserts.
- Supply cable without plug.
- Tools for an operators.
- Packed in a cardboard.
- User manual.

<table>
<thead>
<tr>
<th>Machine name</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deburring and bevelling system B3 (3 Phase - 400 V)</td>
<td>28220</td>
</tr>
<tr>
<td>Deburring and bevelling system B3 (1 Phase - 110 V)</td>
<td>28211</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement cutting head (fitted with cutting inserts)</td>
<td>28221</td>
</tr>
<tr>
<td>Coated Cutting inserts (pack of 10 pcs)</td>
<td>25909</td>
</tr>
</tbody>
</table>

Art. Nr. 28221  
Art. Nr. 28221
Bevelling system B10 ELECTRA
Maximum bevel width 10 mm / 0.4 in. Edge rounding function.

B10 Electra

High Performance Motor and Gearbox

- Ergonomic handle
- Spindle lock
- Tool revolution control
- The right-left position of the handle
- Powerful 1700 W motor
- Machining depth adjustment

Art. Nr. 25300 (1 Phase - 220 V)
Art. Nr. 25301 (1 Phase - 110 V)

Immediately from our warehouse
Designed for bevelling and deburring workpieces, internal and external radiuses and holes. Specially designed for producing bevels and welding preparation. Durable and stable machine design without compromises.

Thanks to the special design of the cutting head you will save ½ inserts at reductions of up to 8 mm / 0.31 in of the bevel width.

- Scale for accurate bevel size adjustment.
- For bevelling and deburring steel, aluminium and other materials.
- Replaceable head for changing bevel angle.
- Handheld powerful equipment.
- Electronic Speed Control.
- Edge rounding function, preparation before surface treatment.

Technical data:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bevel angle</td>
<td>replaceable head 30°, 37.5°, 45°, 50°, 60° - other angles on demand</td>
</tr>
<tr>
<td>Bevel width</td>
<td>0 to 10 mm / 0 to 0.4 in &lt; 400 MPa / 58 015 PSI</td>
</tr>
<tr>
<td>Rounding app</td>
<td>R 2.5 mm, R 3.5 mm, R 4 mm / R 0.1 in, R 0.14 in, R 0.16 in</td>
</tr>
<tr>
<td>Engine</td>
<td>1700 W</td>
</tr>
<tr>
<td>Speed</td>
<td>2700 - 8 500 rpm</td>
</tr>
<tr>
<td>Overload protection</td>
<td>thermal</td>
</tr>
<tr>
<td>Feed</td>
<td>manual</td>
</tr>
<tr>
<td>Weight</td>
<td>6 kg / 13.2 lb</td>
</tr>
<tr>
<td>Numbers of cutting inserts</td>
<td>6 pcs (up to bevel width 8mm, only 3pcs in the angle)</td>
</tr>
</tbody>
</table>

Included in price:

- Bevelling and deburring system B10 ELECTRA (without the head).
- Tools for an operator.
- Packed in a cardboard.
- User manual.

Machine name: The B10 ELECTRA bevelling and deburring system (1 Phase - 220 V) 25300

The B10 ELECTRA bevelling and deburring system (1 Phase - 110 V) 25301

Accessories:

<table>
<thead>
<tr>
<th>Item</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>30° cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 34 mm / 1.34 in</td>
<td>27223</td>
</tr>
<tr>
<td>37.5° cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 28 mm / 1.10 in</td>
<td>27227</td>
</tr>
<tr>
<td>45° cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 28 mm / 1.10 in</td>
<td>27222</td>
</tr>
<tr>
<td>50° cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 28 mm / 1.10 in</td>
<td>27224</td>
</tr>
<tr>
<td>60° cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 27 mm / 1.06 in</td>
<td>27240</td>
</tr>
<tr>
<td>Cutting head with non-standard angle. (Including inserts, screws, bolts and roller)</td>
<td>27XXX</td>
</tr>
<tr>
<td>Coated cutting inserts - four-sided (pack of 10 pcs)</td>
<td>27231</td>
</tr>
<tr>
<td>Edge rounding cutter R2.5 mm / 0.08 in (including inserts, screws, bolts and roller). Guide roller diameter Ø 41 mm / 1.61 in</td>
<td>27234</td>
</tr>
<tr>
<td>Edge rounding cutter R3.5 mm / 0.12 in (including inserts, screws, bolts and roller). Guide roller diameter Ø 40 mm / 1.57 in</td>
<td>27233</td>
</tr>
<tr>
<td>Cutting inserts for rounding edges R2.5 mm / 0.08 in (pack of 10 pcs)</td>
<td>26109</td>
</tr>
<tr>
<td>Cutting inserts for rounding edges R3.5 mm / 0.12 in (pack of 10 pcs)</td>
<td>26110</td>
</tr>
<tr>
<td>Cutting inserts for rounding edges R4 mm / 0.16 in (pack of 10 pcs). Compatible with head R3.5 mm / 0.12 in</td>
<td>26111</td>
</tr>
<tr>
<td>Screw for the inserts</td>
<td>27241</td>
</tr>
<tr>
<td>Screw for the radius / rounding inserts</td>
<td>27242</td>
</tr>
<tr>
<td>Screw for the impeller / guiding roller</td>
<td>25250.16</td>
</tr>
<tr>
<td>Screw for the impeller overlapping (set screw + expansion washer)</td>
<td>25250.16L</td>
</tr>
<tr>
<td>Dock station B-Dock (Beveler B10 Electra is not included)</td>
<td>25350</td>
</tr>
<tr>
<td>Grinding adapter - Edge Cleaner (Including 10 pcs grinding rings grain 40, 1 pc guiding roller)</td>
<td>25310</td>
</tr>
<tr>
<td>Spare polyurethane guiding roller</td>
<td>25311</td>
</tr>
<tr>
<td>Grinding rings grain 40 (pack of 50 pcs)</td>
<td>25312</td>
</tr>
<tr>
<td>Special lubricating paste for the milling heads. Prevents seizing up, wear, cold-welding, solidifying of the threads 120g.</td>
<td>33005</td>
</tr>
</tbody>
</table>
Dock station B-Dock + B10 ELECTRA set
Maximum bevel width 5 mm / 0.2 in. Edge rounding function.

B-Dock
+ B10 Electra set

B-Dock designed to bevel irregular shaped workpieces

Installed B-Line Bevelling machine

Grinding adapter - Edge Cleaner

Adjustable Protection Shield

Wear resistant work surface

Adjustable work table

Art. Nr. 25302 (1 Phase - 220 V)
Art. Nr. 25303 (1 Phase - 110 V)

Vertical position of the table for tube bevelling

Pipe bevelling attachment

Immediately from our warehouse
Dock station B-Dock enables the B10 Electra to be used stationary. It is designed for beveling small workpieces which would be hard or impossible to clamp and bevel the standard way. The system retains all advantages of the hand-held machine B10 Electra. The B-dock system makes it possible to bevel irregular shapes, straight workpieces and holes. Radiused edges are also possible with the radius milling head. Specialty guide attachments and an easy, vertical worktable adjustment allow for beveling of pipe and tube.

By purchasing the set B-Dock + B10 Electra you are getting a universal beveling system. The B10 Electra can be used independently from the B-Dock as a hand-held beveling machine.

- Tilting table for easy attachment of B10 Electra
- Vertical position of the table for convenient pipe beveling
- Straight edge and pipe guide attachments included in the price
- Adjustable protection shield increases work safety
- Robust design insures precision beveling and durability of the B-dock
- The Hardox work surface is wear resistant
- Light weight system is easy to transport
- Can be used with B10 Electra or B15 Electra machines

Technical data:
Bevel angle: see previous page (technical date for B10 Electra)
Bevel width: 0 to 5mm / 0 to 0.2 in
Rounding app: see previous page (technical date for B10 Electra)
Motor: see previous page (technical date for B10 Electra)
RPM: see previous page (technical date for B10 Electra)
Feed: manual
Weight: 28kg / 62 lb (incl. B10 Electra 34kg / 75 lb)
Dimensions: 443 x 368 x 220mm / 17.5 x 14.5 x 8.7 in

Included in price:
Dock station B-dock
Beveling and deburring system B10 Electra
Operating tools
Carton box packaging
Manual

Machine name: The Beveling System B-Dock+ B10 Electra set, without the milling head (1 Phase - 220 V) Art. Nr. 25302
The Beveling System B-Dock+ B10 Electra set, without the milling head (1 Phase - 110 V) 25303

Other accessories see previous page - B10 Electra

Pipe beveling attachment
Straight edge beveling guide
Beveling system B15 ELECTRA
Maximum bevel width 15 mm / 0.6 in. Edge rounding function.

B15 Electra

The right-left position of the handle
Rotating ergonomic handle
Spindle lock
Powerful 2500W / 2000W motor
Machining depth adjustment

Art. Nr. 25250 (1 Phase - 220 V)
Art. Nr. 25251 (1 Phase - 110 V)

Immediately from our warehouse
Designed for bevelling and deburring of parts, internal and external radiuses and holes. Specially designed for producing visual bevel and welding preparation. Powerful electric drive for extreme loads.

- Scale for accurate bevel size adjustment.
- For bevelling and deburring of steel, aluminium and other materials.
- Replaceable head for changing bevel angle.
- Handheld powerful equipment.
- Swivelling ergonomic handle.
- Edge rounding function, preparation before surface treatment.

Technical data:

- Bevel angle: Replaceable head 30°, 37.5°, 45°, 50°, 60° - other angles on demand
- Bevel width: 0 to 15 mm / 0 to 0.6 in < 400 MPa / 58 015 PSI
- Bevel width: 0 to 8 mm / 0 to 0.3 in > 400 MPa / 58 015 PSI
- Rounding app: R 2.5 mm, R 3.5 mm, R 4 mm / R 0.1 in, R 0.14 in, R 0.16 in
- Engine: 2500 W / 2000W
- Speed: 6600 rpm
- Weight: 9.5 kg / 20.9 lb
- Number of cutting inserts: 6 pcs

Included in price:

- Bevelling and deburring system B15 ELECTRA (without the head).
- Tools for an operators.
- Packed in a cardboard.
- User manual.

Machine name:

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Bevelling and deburring system B15 ELECTRA (1 Phase - 220 V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25250</td>
<td></td>
</tr>
<tr>
<td>25251</td>
<td></td>
</tr>
</tbody>
</table>

Accessories:

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>30° cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 34 mm / 1.34 in</th>
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<tr>
<td>27223</td>
<td></td>
</tr>
<tr>
<td>37.5° cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 28 mm / 1.10 in</td>
<td></td>
</tr>
<tr>
<td>27227</td>
<td></td>
</tr>
<tr>
<td>45° cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 28 mm / 1.10 in</td>
<td></td>
</tr>
<tr>
<td>27222</td>
<td></td>
</tr>
<tr>
<td>50° cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 28 mm / 1.10 in</td>
<td></td>
</tr>
<tr>
<td>27224</td>
<td></td>
</tr>
<tr>
<td>60° cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 27 mm / 1.06 in</td>
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</tr>
<tr>
<td>27240</td>
<td></td>
</tr>
<tr>
<td>Cutting head with non-standard angle. (Including inserts, screws, bolts and roller)</td>
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</tr>
<tr>
<td>27XXX</td>
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<tr>
<td>Coated cutting inserts - four-sided (pack of 10 pcs)</td>
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<tr>
<td>27231</td>
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<td>Edge rounding cutter R2.5 mm / 0.08 in (including inserts, screws, bolts and roller). Guide roller diameter Ø 41 mm / 1.61 in</td>
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<tr>
<td>27234</td>
<td></td>
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<td>Edge rounding cutter R3.5 mm / 0.12 in (including inserts, screws, bolts and roller). Guide roller diameter Ø 40 mm / 1.57 in</td>
<td></td>
</tr>
<tr>
<td>27233</td>
<td></td>
</tr>
<tr>
<td>Cutting inserts for rounding edges R2.5 mm / 0.08 in (pack of 10 pcs)</td>
<td></td>
</tr>
<tr>
<td>26109</td>
<td></td>
</tr>
<tr>
<td>Cutting inserts for rounding edges R3.5 mm / 0.12 in (pack of 10 pcs)</td>
<td></td>
</tr>
<tr>
<td>26110</td>
<td></td>
</tr>
<tr>
<td>Cutting inserts for rounding edges R4mm / 0.16 in (pack of 10 pcs). Compatible with head R3.5 mm / 0.12 in</td>
<td></td>
</tr>
<tr>
<td>26111</td>
<td></td>
</tr>
<tr>
<td>Screw for the inserts</td>
<td></td>
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<tr>
<td>27241</td>
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<td>27242</td>
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<td>Screw for the impeler / guiding roller</td>
<td></td>
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<tr>
<td>25250.16</td>
<td></td>
</tr>
<tr>
<td>Screw for the impeler overlapping (set screw + expansion washer)</td>
<td></td>
</tr>
<tr>
<td>25250.16L</td>
<td></td>
</tr>
<tr>
<td>Dock station B-Dock (Beveler B15 Electra is not included)</td>
<td></td>
</tr>
<tr>
<td>25350</td>
<td></td>
</tr>
<tr>
<td>Grinding adapter - Edge Cleaner (Including 10 pcs grinding rings grain 40, 1 pc guiding roller)</td>
<td></td>
</tr>
<tr>
<td>25310</td>
<td></td>
</tr>
<tr>
<td>Spare polyurethane guiding roller</td>
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<td>25311</td>
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<td>25312</td>
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</tr>
<tr>
<td>Special lubricating paste for the milling heads. Prevents seizing up, wear, cold-welding, solidifying of the threads 120g.</td>
<td></td>
</tr>
<tr>
<td>33005</td>
<td></td>
</tr>
</tbody>
</table>
B-Dock + B15 Electra set

Dock station B-Dock + B15 ELECTRA set
Maximum bevel width 5 mm / 0.2 in. Edge rounding function.

B-Dock designed to bevel irregular shaped workpieces

Installed B-Line Bevelling machine

Grinding adapter - Edge Cleaner

Wear resistant work surface

Adjustable work table

Vertical position of the table for tube bevelling

Pipe bevelling attachment

Adjustable Protection Shield

Art. Nr. 25252 (1 Phase - 220 V)
Art. Nr. 25353 (1 Phase - 110 V)

Immediately from our warehouse
Dock station B-Dock enables the B15 Electra to be used stationary. It is designed for beveling small workpieces which would be hard or impossible to clamp and bevel the standard way. The system retains all advantages of the hand-held machine B15 Electra. The B-dock system makes it possible to bevel irregular shapes, straight workpieces and holes. Radiused edges are also possible with the radius milling head. Specialty guide attachments and an easy, vertical worktable adjustment allow for beveling of pipe and tube.

By purchasing the set B-Dock + B15 Electra you are getting a universal beveling system. The B15 Electra can be used independently from the B-Dock as a hand-held beveling machine.

- Tilting table for easy attachment of B15 Electra
- Vertical position of the table for convenient pipe beveling
- Straight edge and pipe guide attachments included in the price
- Adjustable protection shield increases work safety
- Robust design insures precision beveling and durability of the B-dock
- The Hardox work surface is wear resistant
- Light weight system is easy to transport
- Can be used with B15 Electra or B10 Electra machines

Technical data:
Bevel angle: see previous page (technical data for B15 Electra)
Bevel width: 0 to 5mm / 0 to 0.2 in
Rounding app: see previous page (technical data for B15 Electra)
Motor: see previous page (technical data for B15 Electra)
RPM: see previous page (technical data for B15 Electra)
Feed: manual
Weight: 28kg / 62 lb (incl. B15 Electra 37.5kg / 82.7 lb)
Dimensions: 443 x 368 x 220mm / 17.5 x 14.5 x 8.7 in

Included in price:
Dock station B-dock
Beveling and deburring system B15 Electra
Operating tools
Carton box packaging
Manual

Machine name: Art. Nr.
The Beveling System B-Dock+ B15 Electra set, without the milling head (1 Phase - 220 V) 25252
The Beveling System B-Dock+ B15 Electra set, without the milling head (1 Phase - 110 V) 25253

Other accessories see previous page - B15 Electra
Bevelling system B15 AIR (B15 AIR-S)
Maximum bevel width 15 mm / 0.6 in. Edge rounding function.

B15 Air

Powerful 2984 W pneumatic motor
Heavy-duty design
Machining depth adjustment

Art. Nr. 27220 (B15 AIR)
Art. Nr. 27220S (B15 AIR-S)

HEAVY-DUTY

Thousands of satisfied customers throughout the world
Designed for bevelling and deburring of straight and shaped parts, internal and external radiuses and holes. Specially designed for producing visual bevels and welding preparation. Powerful pneumatic drive for extreme loads.

- Scale for accurate bevel size adjustment.
- For bevelling and deburring of steel, aluminium and other materials.
- Replaceable head for changing bevel angle.
- Powerful handheld equipment.
- Also suitable for explosion-risk operations.
- Edge rounding function, preparation before surface treatment.
- Low RPM model for processing of stainless steel.

**Technical data:**
- Bevel angle: Replaceable head $30^\circ$, $37.5^\circ$, $45^\circ$, $50^\circ$, $60^\circ$ - other angles on demand
- Bevel width: $0$ to $15$ mm / $0$ to $0.06$ in < 400 MPa / 58 015 PSI
  - $0$ to $8$ mm / $0$ to $0.31$ in > 400 MPa / 58 015 PSI
- Engine: Pneumatic
- Engine Power: 2984 W
- Speed: 6000 rpm (B15 AIR-S 4500 rpm)
- Air consumption: 750 l/min
- Operating pressure: 6 bar / 87.02 PSI
- Weight: 7.5 kg / 16.5 lb
- Number of cutting inserts: 6 pcs

**Included in price:**
- B15 AIR bevelling and deburring system (without the head).
- Tools for an operators.
- Packed in a cardboard.
- User manual.

**Machine name:**
- Bevelling and deburring system B15 AIR 27220
- Bevelling and deburring system B15 AIR-S 27220S

**Accessories:**

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>27223</td>
<td>$30^\circ$ cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 34 mm / 1.34 in</td>
</tr>
<tr>
<td>27227</td>
<td>$37.5^\circ$ cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 28 mm / 1.10 in</td>
</tr>
<tr>
<td>27222</td>
<td>$45^\circ$ cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 28 mm / 1.10 in</td>
</tr>
<tr>
<td>27224</td>
<td>$50^\circ$ cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 28 mm / 1.10 in</td>
</tr>
<tr>
<td>27240</td>
<td>$60^\circ$ cutting head (including inserts, screws, bolts and roller). Guide roller diameter Ø 27 mm / 1.06 in</td>
</tr>
<tr>
<td>27XXX</td>
<td>Cutting head with non-standard angle. (Including inserts, screws, bolts and roller)</td>
</tr>
<tr>
<td>27231</td>
<td>Coated cutting inserts - four-sided (pack of 10 pcs)</td>
</tr>
<tr>
<td>27234</td>
<td>Edge rounding cutter R2.5 mm / 0.08 in (including inserts, screws, bolts and roller). Guide roller diameter Ø 41 mm / 1.61 in</td>
</tr>
<tr>
<td>27233</td>
<td>Edge rounding cutter R3.5 mm / 0.12 in (including inserts, screws, bolts and roller). Guide roller diameter Ø 40 mm / 1.57 in</td>
</tr>
<tr>
<td>26109</td>
<td>Cutting inserts for rounding edges R2.5 mm / 0.08 in (pack of 10 pcs)</td>
</tr>
<tr>
<td>26110</td>
<td>Cutting inserts for rounding edges R3.5 mm / 0.12 in (pack of 10 pcs)</td>
</tr>
<tr>
<td>26111</td>
<td>Cutting inserts for rounding edges R4mm / 0.16 in (pack of 10 pcs). Compatible with head R3.5 mm / 0.12 in</td>
</tr>
<tr>
<td>27241</td>
<td>Screw for the inserts</td>
</tr>
<tr>
<td>27221</td>
<td>Pneumatic set (air filtration, lubrication and air pressure control unit, 10 m pressure hose including the respective couplings)</td>
</tr>
<tr>
<td>27242</td>
<td>Screw for the radius / rounding inserts</td>
</tr>
<tr>
<td>27220.59</td>
<td>Screw for the impeler / guiding roll</td>
</tr>
<tr>
<td>33005</td>
<td>Special lubricating paste for the milling heads. Prevents seizing up, wear, cold-welding, solidifying of the threads 120g.</td>
</tr>
</tbody>
</table>
Bevelling system B22 ZERO
Maximum bevel width 20 mm / 0.79 in. FACING application.

B22 Zero

Art. Nr. 29200 (3Phase - 400 V)
Art. Nr. 29211 (3Phase - 480 V)
Art. Nr. 29212 (3Phase - 220 V)
Art. Nr. 29220 (1Phase - 230 V)
Art. Nr. 29221 (1Phase - 120 V)

Powerful 3-phase 1100 W motor
Travel rollers
Fast lockable machine setting
Precision bevel angle adjustment scale
Direct reading of bevel height settings
Additional positionable handle

Immediately from our warehouse
Designed for bevelling and deburring straight edges, for the so-called FACING - removing an unwanted layer of materials on the workpiece edge resulting from cutting the metal sheet by burning.
Specially designed for the production of visual bevels and welding preparation.

- High-performance 3-phase motor.
- The possibility of continuous adjustment of the working angle in the range of 0° - 60°.
- The machine is capable of performing FACING - edge processing at an angle of 0° to remove unwanted material layer after burning cutting.
- The unique scaling mechanism of the bevel size increases the precision of work.
- A very compact and ergonomic design allows high labour productivity.
- The all-round protection frame protects the machine in the event of a fall and provides varieties of grips.
- When purchasing the appropriate equipment, pipes and tubes can be bevelled from Ø 150 mm / 5.9 in.
- Additional adjustable handle.

**Technical data:**
- Bevel angle: continuously adjustable between 0° - 60°
- Bevel width: 0 to 20 mm / 0 to 0.79 in < 400 MPa / 58 015 PSI
- 0 to 16 mm / 0 to 0.63 in > 400 MPa / 58 015 PSI
- Engine: 1100 W
- Speed: 2850 rpm
- Weight: 19.5 kg / 43 lb
- Number of inserts: 10 pcs

**Included in price:**
- Bevelling and deburring system B22 ZERO.
- Tools for an operators.
- Packed in a cardboard.
- User manual.

**Machine name:**
- Bevelling and deburring system B22 ZERO (3Phase - 400 V) 29200
- Bevelling and deburring system B22 ZERO (3Phase - 220 V) 29212
- Bevelling and deburring system B22 ZERO (3Phase - 480 V) 29211
- Bevelling and deburring system B22 ZERO (1Phase - 230 V) 29220
- Bevelling and deburring system B22 ZERO (1Phase - 120 V) 29221

**Accessories:**
- Standard cutting head (including inserts and screws) 29201
- Standard cutting inserts (pack of 10 pcs) 29203
- Premium cutting head - designed for stainless steel (including inserts and screws) 29202
- Premium cutting inserts (pack of 10 pcs) 29205
- Additional adjustable handle 29206
- Pipe and tube bevelling from Ø 150 mm 29204
- Screw for the inserts 29200.9300
## UZ-LINE bevelling machines with automatic feeding

<table>
<thead>
<tr>
<th>Type</th>
<th>Drive</th>
<th>Max. Bevel width</th>
</tr>
</thead>
<tbody>
<tr>
<td>UZ12 ULTRALIGHT</td>
<td>electric</td>
<td>12 mm / 0.47 in</td>
</tr>
<tr>
<td>UZ15 RAPID</td>
<td>electric</td>
<td>15 mm / 0.6 in</td>
</tr>
<tr>
<td>UZ15 RAPID + 3D manipulator set</td>
<td>electric</td>
<td>15 mm / 0.6 in</td>
</tr>
<tr>
<td>UZ18 HARDWORKER</td>
<td>electric</td>
<td>18 mm / 0.7 in</td>
</tr>
<tr>
<td>UZ18 HARDWORKER + 3D manipulator set</td>
<td>electric</td>
<td>18 mm / 0.7 in</td>
</tr>
<tr>
<td>UZ29 SPEEDER</td>
<td>electric</td>
<td>29 mm / 1.14 in</td>
</tr>
<tr>
<td>UZ30 EXPRESS</td>
<td>electric</td>
<td>30 mm / 1.18 in</td>
</tr>
<tr>
<td>UZ50 TRIUMPH</td>
<td>electric</td>
<td>62 mm / 2.44 in</td>
</tr>
<tr>
<td>UZ50 TRIUMPH +UZP 30 set</td>
<td>electric</td>
<td>34 mm / 1.33 in</td>
</tr>
<tr>
<td>Bevel angle</td>
<td>Rounding of the edge</td>
<td>Feeding</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------------</td>
<td>---------</td>
</tr>
<tr>
<td>22,5°, 30°, 37,5°, 45°, 50°</td>
<td>no</td>
<td>autofeed</td>
</tr>
<tr>
<td>15° - 50°</td>
<td>no</td>
<td>autofeed</td>
</tr>
<tr>
<td>15° - 50°</td>
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</tr>
<tr>
<td>15° - 50°</td>
<td>no</td>
<td>autofeed</td>
</tr>
<tr>
<td>22,5°, 30°, 37,5°, 45°, 50°</td>
<td>no</td>
<td>autofeed</td>
</tr>
<tr>
<td>30° - 60°</td>
<td>no</td>
<td>autofeed</td>
</tr>
<tr>
<td>15° - 60°</td>
<td>no</td>
<td>autofeed</td>
</tr>
<tr>
<td>15° - 60°</td>
<td>no</td>
<td>autofeed</td>
</tr>
</tbody>
</table>
Bevelling system UZ12 ULTRALIGHT
Maximum bevel width 12 mm / 0.47 in. Automatic feed.

UZ12 Ultralight

Incredibly quiet operation

Powerful 3-phase 400 W motor

Worm gearbox without a need to change oil

Replaceable angular KIT

Machine tilting locking

Art. Nr. - following page

Thousands of satisfied customers throughout the world
The UZ12 ULTRALIGHT is one of the lightest bevelling machines with the automatic feed in the market. Thanks to its compact size and low weight it is perfect not only for workshops but also for assemblies. The machine is equipped with the automatic feed. Working with UZ12 ULTRALIGHT is therefore very comfortable. The quietest bevelling system on the market.

- For conventional steel (up to strength of 600 MPa / 87 022 PSI), brass, copper and aluminium materials.
- For bevelling material with minimum dimensions - width 65 mm / 2.56 in, length 60 mm / 2.36 in, thickness 3 mm / 0.12 in.
- Thickness of bevelled material 3 - 35 mm / 0.12 - 1.37 in.
- Bevelling of pipes from the internal Ø 95 mm / 3.74 in.
- The bevel angle can be changed using replaceable arms (KIT for a given angle).
- The device is capable of performing double-sided bevel (X, K) without the need for material handling.
- Suprisingly silent drive.
- The machine is equipped with an automatic feed.
- Possibility of stationary and mobile use.
- The machine works on large workpieces without support at a speed of 1.8 m/min / 5.9 ft/min.
- Smaller parts of the material are inserted directly into the machine.
- Lightweight and compact design. One-man machine.
- Thermal protection of the motor

### Technical data:
- Max. bevel width: 12 mm / 0.47 in
- Bevel angle: 30°, 45°, 22.5°, 37.5°, 50° (replaceable KIT)
- Thickness of bevel material: 3 - 35 mm / 0.12 - 1.37 in
- Engine: 400 W
- Feed: 1.8 m/min / 5.9 ft/min
- Weight: 30 kg / 66 lb
- Dimensions: 470 x 294 x 523 mm / 18.5 x 11.57 x 20.59 in

### Included in price:
- Bevelling system UZ12 ULTRALIGHT
- Tools for an operator.
- Packet in a wooden crate.
- User manual.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bevelling system UZ12 ULTRALIGHT - set (KIT 30° + 45°)</td>
<td>1922</td>
<td>1819</td>
<td>1913</td>
</tr>
<tr>
<td>Bevelling system UZ12 ULTRALIGHT - set (KIT 22.5° + 30° + 37.5° + 45° + 50° + pipe bevelling tool)</td>
<td>1918</td>
<td>1818</td>
<td>1912</td>
</tr>
</tbody>
</table>

### Accessories:

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO cutting tool - suitable for conventional steel</td>
<td>1927</td>
</tr>
<tr>
<td>ECO cutting tool - suitable for conventional steel - 2 + 1 free set</td>
<td>1928</td>
</tr>
<tr>
<td>PVD cutting tool - suitable for tougher materials</td>
<td>1916</td>
</tr>
<tr>
<td>PVD cutting tool - suitable for tougher materials - 2 + 1 free set</td>
<td>1935</td>
</tr>
<tr>
<td>Separate KIT 22.5°</td>
<td>1926</td>
</tr>
<tr>
<td>Separate KIT 30°</td>
<td>1923</td>
</tr>
<tr>
<td>Separate KIT 37.5°</td>
<td>1925</td>
</tr>
<tr>
<td>Separate KIT 45°</td>
<td>1924</td>
</tr>
<tr>
<td>Separate KIT 50°</td>
<td>1929</td>
</tr>
<tr>
<td>Pipe and tube bevelling fixture from Ø 95 mm / 3.74 in (internal diameter)</td>
<td>1919</td>
</tr>
<tr>
<td>3D Manipulator - allows you to rotate the machine by 180° thus creating a two-sided bevel and facilitates the machine transport at the workplace.</td>
<td>1930</td>
</tr>
<tr>
<td>Adapter for connecting UZ12 Ultralight with the 3D Manipulator</td>
<td>1911</td>
</tr>
</tbody>
</table>
Bevelling system UZ15 RAPID
Maximum bevel width of 15 mm / 0.6 in. Automatic feed.

UZ15 Rapid

- Incredibly quiet operation
- 3D adaptive system
- Emergency stop
- Planet gearbox
- Powerful 3-phase 1500W motor
- Continuous setting of 15° - 50° angle

Art. Nr. 1931 (3 Phase - 400 V)
Art. Nr. 1934 (3 Phase - 480 V)
Art. Nr. 1933 (3 Phase - 220 V)

Thousands of satisfied customers throughout the world
The UZ15 RAPID machine is one of the fastest automatic bevelling machines with the automatic feed on the market. It is suitable not only for workshops, but also for assembly operations. It has a continuous working angle adjustment system. In addition, the machine is equipped with an automatic feed. Working with UZ15 Rapid is therefore very comfortable.

- For conventional steel (up to 600 MPa / 87 022 PSI), brass, copper and aluminium.
- For bevelling material with minimum dimensions - width 70 mm / 2.75 in, length 150 mm / 5.9 in, thickness 6 mm / 0.23 in.
- Thickness of bevelled material 6 to 40 mm / 0.23 to 1.57 in.
- The bevel angle is easily adjustable from 15° to 50° smoothly, without the need to replace any part.
- The device is capable of performing double-sided bevel (X, K) without the need for material handling.
- Easy connection to the 3D Manipulator for easier operation and handling.
- The machine is equipped with an automatic feed.
- Possibility of stationary and mobile use.
- The machine works on large workpieces without support at a speed of 3.5 m/min / 11.48 ft/min.
- Smaller parts of the material are inserted directly into the machine.
- Discounted price when purchasing UZ15 RAPID together with the 3D Manipulator.

**Technical data:**
- Max. bevel width: 15 mm / 0.6 in
- Continuously adjustable angle: 15° - 50°
- Thickness of bevelled material: 6 to 40 mm / 0.23 to 1.57 in
- Engine: 1500 W
- Feed: 3.5 m/min. / 11.48 ft/min.
- Weight: 94 kg / 207 lb
- Dimensions: 530 x 395 x 860 mm / 20.9 x 15.5 x 33.9 in

**Included in price:**
- UZ15 RAPID bevelling system.
- Tools for an operator.
- Packet in a wooden crate.
- User manual.

**Machine name:**
- Bevelling system UZ15 RAPID (3 Phase - 400 V) 1931
- Bevelling system UZ15 RAPID (3 Phase - 480 V) 1934
- Bevelling system UZ15 RAPID (3 Phase - 220 V) 1933

**Accessories:**
- ECO cutting tool - suitable for conventional steel 2137
- ECO cutting tool - suitable for conventional steel - 2 + 1 free set 2134
- PVD cutting tool - suitable for tougher materials 2142
- PVD cutting tool - suitable for tougher materials - 2 + 1 free set 1936
- PREMIUM Cutting Tool - coated TiN, suitable for conventional steel 2136
- 3D Manipulator - allows to rotate the machine by 180° to create a two-sided bevel and facilitates the machine transport across the workplace. 1930
Bevelling system UZ15 RAPID + 3D MANIPULATOR set

Maximum bevel width of 15 mm / 0.6 in. Automatic feed.

**UZ15 Rapid**

+ **3D manipulator set**

- **Silent operation**
- **3D adaptive system**
- **180° Rotary mechanism** allows to perform double-sided beveling without the need for material handling.
- **Machine position height adjustment.**
- **3D adaptive system** compensates for inequalities of floor and allows for machine positioning according to the situation at a workplace.
- **Quick connect machine system**

Art. Nr. 1932 (3 Phase - 400 V)
Art. Nr. 1937 (3 Phase - 480 V)
Art. Nr. 1938 (3 Phase - 220 V)

Immediately from our warehouse
The UZ15 RAPID machine is one of the fastest bevelling machines with an automatic feed on the market. It is not only suitable for workshops, but also for assembly operations. It has a continuous working angle adjustment system. In addition, the machine is equipped with an automatic feed. Working with UZ15 Rapid is therefore very comfortable.

The unique 3D MANIPULATOR - unique design of the manipulator offers the possibility of a simple turning of the bevelling machine by 180° for performing the X, K double-sided bevel. There is no need to use any tools for rotation. No need to handle material resulting in significant time savings.

The quick-connect system offers the ability to connect and disconnect the UZ15 RAPID from the 3D Manipulator within seconds without the use of any tools. This will be used in a situation where the 3D Manipulator cannot track the machine due to the poor quality of the working floor. The machine is then able to drive along the material itself. The 3D manipulator system enables the machine to adapt its working position to the current workplace situation, the UZ15 RAPID so-called „floats“ on the machined metal sheet and compensates for any unevenness of the floor or material deformation.

The 3D manipulator also ensures convenient transport of the machine across the workplace. The lifting mechanism allows an easy adjustment of the working height of the machine. Large castors guarantee comfortable overcoming obstacles and unevenness.

Working with or without the 3D Manipulator is possible.

Possibility to use 3D Manipulator as a fixed workstation for small pieces processing or as a UZ15 RAPID service bracket.

- The manipulator allows a quick and easy rotation of the UZ 15 RAPID machine by 180° to create double-sided bevelling in X or K shape.
- A worker does not need a crane to turn the material - great time savings at work.
- The unique clamping system enables to clamp the UZ 15 RAPID machine and to remove it from the manipulator within a few seconds without any use of tools.
- The UZ 15 RAPID “floats” in the 3D MANIPULATOR and compensates for floor unevenness.
- The 3D MANIPULATOR enables easy machine handling.
- The required height of the machine can be adjusted using the lifting device.
- The possibility to use the machine with or without the 3D manipulator.
- The possibility to use the 3D Manipulator a stationary mode.
- The possibility to use the 3D Manipulator as a service station for the maintenance of UZ 15 RAPID.

Technical data:
- Weight of the whole set: 179 kg / 394 lb
- Dimensions: 1010 x 745 x 1326 mm
  39.76 x 29.33 x 52.2 in

Included in price:
- Bevelling system UZ 15 RAPID including 3D MANIPULATOR
- Tools for an operator.
- Packet in a wooden crate.
- User manual.

Machine name: Art. Nr.
Bevelling system UZ15 RAPID including the 3D MANIPULATOR (3 Phase - 400 V) 1932
Bevelling system UZ15 RAPID including the 3D MANIPULATOR (3 Phase - 480 V) 1937
Bevelling system UZ15 RAPID including the 3D MANIPULATOR (3 Phase - 220 V) 1938
Bevelling system UZ18 HARDWORKER
Maximum bevel width 18 mm / 0.71 in. Automatic feed.

UZ18 HardWorker

Incredibly silent operation

3D adaptive system

Powerful 3-phase motor 750 W

Resistant worm gearbox

Continuous setting of 15° - 50° angle

Immediately from our warehouse

Art. Nr. 1980 (3 Phase - 400 V)
Art. Nr. 1981 (3 Phase - 480 V)
Art. Nr. 1982 (3 Phase - 220 V)
The UZ18 Hardworker machine is one of the most powerful bevelling machines with the automatic feed on the market. It is suitable not only for workshops, but also for an assembly on-site. It has a continuous working angle adjustment system. Thanks to the special design of the drive system, the UZ18 Hardworker is also suitable for tougher materials. The machine is equipped with the automatic feed. Working with UZ18 Hardworker is therefore very comfortable.

- For steel (strength up to 600 MPa / 87 022 PSI), brass, copper and aluminium.
- For bevelling material with minimum dimensions - width 70 mm / 2.75 in, length 150 mm / 5.9 in, thickness 6 mm / 0.23 in.
- Thickness of bevelled material 6 to 40 mm / 0.23 to 1.57 in.
- The bevel angle is easily adjustable from 15° to 50° - smoothly, without the need to replace any part.
- The equipment is capable of performing double-sided bevelling (X, K) without the need for material handling.
- Easy connecting to the 3D Manipulator for easier operation and handling.
- The machine is equipped with an automatic feed.
- The possibility of stationary and mobile use.
- The machine works on large workpieces without any support.
- Smaller parts of the material are inserted directly into the machine.
- Discounted price when purchasing UZ 18 Hardworker together with the 3D Manipulator.

**Technical data:**

Max. bevel width: 18 mm / 0.71 in (600 MPa / 87 022 PSI)
Continuously adjustable angle: 15° - 50°
Thickness of bevel. material: 6 to 40 mm / 0.23 to 1.57 in
Engine: 750 W
Feed: 1.9 m/min. / 6.23 ft/min.
Weight: 110 kg / 242.5 lb
Dimensions (WxHxD): 438 x 719 x 644 mm
17.24 x 28.3 x 25.35 in

**Included in price:**

Bevelling system UZ18 Hardworker.
Tools for an operator.
Packet in a wooden crate.
User manual.

<table>
<thead>
<tr>
<th>Machine name:</th>
<th>Art. Nr.</th>
</tr>
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<tbody>
<tr>
<td>BEVELLING SYSTEM UZ18 HARDWORKER (3 Phase - 400 V)</td>
<td>1980</td>
</tr>
<tr>
<td>BEVELLING SYSTEM UZ18 HARDWORKER (3 Phase - 480 V)</td>
<td>1981</td>
</tr>
<tr>
<td>BEVELLING SYSTEM UZ18 HARDWORKER (3 Phase - 220 V)</td>
<td>1982</td>
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<table>
<thead>
<tr>
<th>Accessories</th>
<th>Art. Nr.</th>
</tr>
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<tbody>
<tr>
<td>ECO cutting tool - suitable for conventional steel</td>
<td>2137</td>
</tr>
<tr>
<td>ECO cutting tool - suitable for conventional steel - 2 + 1 free set</td>
<td>2134</td>
</tr>
<tr>
<td>PVD cutting tool - suitable for tougher materials</td>
<td>2142</td>
</tr>
<tr>
<td>PVD cutting tool - suitable for tougher materials - 2 + 1 free set</td>
<td>1936</td>
</tr>
<tr>
<td>PREMIUM Cutting Tool - coated TiN, suitable for conventional steel</td>
<td>2136</td>
</tr>
<tr>
<td>3D Manipulator - allows to rotate the machine by 180° to create a two-sided bevel and facilitates the machine transport at the workplace</td>
<td>1930</td>
</tr>
</tbody>
</table>

Art. Nr. 2136
Art. Nr. 2134
Art. Nr. 2137
Art. Nr. 1936
Art. Nr. 1930

Production and development in EU
UZ18 HardWorker
+ 3D Manipulator set

- Silent operation
- 3D adaptive system compensates for the unevenness of the floor and enables positioning of the machine according to the situation at the workplace.
- Rotary mechanism allows performing both-side beveling without any need for material handling.
- Height adjustment of the machine position.
- Quick-fastening machine system quick-connect

Art. Nr. 1983 (3 Phase - 400 V)
Art. Nr. 1984 (3 Phase - 480 V)
Art. Nr. 1985 (3 Phase - 220 V)

Immediately from our warehouse
The UZ 18 Hardworker is one of the most powerful bevelling machines with the automatic feed on the market. Suitable not only for workshops, but also for an assembly on-site. It is equipped with the continuous working angle adjustment system. Thanks to the special design of the drive system, the UZ 18 Hardworker is also suitable for tougher materials. The machine is equipped with the automatic feed. Therefore, working with UZ 18 Hardworker is very comfortable.

Unique MANIPULATOR 3D - unique design of the manipulator offers the possibility of a simple turning of the bevelling machine by 180° for performing the X, K double-sided bevel. No tools required to rotate. No need for material handling = significant time savings. The quick-connect system offers the option to connect and disconnect the UZ 18 Hardworker from the 3D Manipulator within seconds without the use of any tools. You will appreciate this in a situation where the 3D Manipulator cannot follow the machine due to the poor quality of the working floor. The machine is then able to travel along the material itself. The 3D manipulator system allows for the machine to adapt its working position to the actual workplace situation.

The UZ 18 Hardworker “floats” on a machined sheet metal and compensates for any floor unevenness or material deformation. The 3D manipulator also ensures convenient transport of the machine at the workplace. The lifting mechanism allows easy adjustment of the working height of the machine. Large castors guarantee comfortable overcoming of obstacles and unevenness. Optional working with or without 3D Manipulator. Possibility to use 3D Manipulator as a fixed workstation for small pieces processing or as a UZ18 Hardworker service bracket.

- The manipulator enables a quick and easy turning of the UZ 18 Hardworker by 180° to form the X- or K- shaped double-sided bevel. An operator does not need a crane to rotate the material - significant time savings at work.
- A unique clamping system allows the UZ 18 Hardworker to be clamped and then removed from the manipulator within a few seconds without the use of tools.
- The UZ 18 Hardworker “floats” in 3D MANIPULATOR and compensates for floor unevenness.
- 3D MANIPULATOR enables easy handling of the machine.
- The required height of the machine can be adjusted using the lifting device.
- The possibility to use the machine with without the 3D manipulator.
- The possibility to use the 3D Manipulator a stationary mode.
- Optional use of the Manipulator 3D as a stationary station.
- Optional use of the Manipulator 3D as a service station for the maintenance of the UZ18 Hardworker.

Technical data:

- Weight of the whole set: 204 kg / 449.7 lb
- Dimensions: 1010 x 745 x 1326 mm
  39.76 x 29.33 x 52.2 in

Included in price:

Beveling system UZ18 HARDWORKER including the 3D MANIPULATOR
Tools for operator.
Packet in a wooden crate.
User manual.

<table>
<thead>
<tr>
<th>Name of machine</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beveling system UZ18 HARDWORKER including the 3D MANIPULATOR (3 Phase - 400 V)</td>
<td>1983</td>
</tr>
<tr>
<td>Beveling system UZ18 HARDWORKER including the 3D MANIPULATOR (3 Phase - 480 V)</td>
<td>1984</td>
</tr>
<tr>
<td>Beveling system UZ18 HARDWORKER including the 3D MANIPULATOR (3 Phase - 220 V)</td>
<td>1985</td>
</tr>
</tbody>
</table>
Bevelling system UZ29 SPEEDER
Maximum bevel width 29 mm / 1.14 in. Automatic feed.

**UZ29 Speeder**

- **Incredibly quiet operation**
- **3D adaptive system**
- **Compensation of bevel angle**
- **Worm-gear unit without a need for changing oil**
- **Powerful 3-phase 1500 W motor**
- **Replaceable angle KIT**

Bevel width 18 mm / 0.7 in - in first cut by feeding speed 1.8 m / min. / 5.9 ft/min.

Art. Nr. - following page

Immediately from our warehouse
UZ29 SPEEDER machine is one of the largest and most powerful machines in the field of rotary cutting bevelling machines. The machine is equipped with an automatic feed and can be used as a stationary machine designed for large and small volumes of smaller workpieces. At the same time it can be used as a mobile bevelling system when the machine moves along the machined steel sheet at a rate of almost two meters per minute. The UZ29 SPEEDER machine is capable of machining both, standard and stainless steel. The machine has a superners silent drive not increasing the noise at the workplace.

In addition it is possible to flip the entire machining unit upside down and create bevels for X and K form of the welds without handling machined material. This application is made possible by the rotary mechanism of the 3D manipulator, which is a standard machine equipment.

- For conventional steel (up to strength 700 MPa / 101 526 PSI), stainless steel, brass, copper and aluminium materials.
- The bevelled material thickness 6 to 60 mm / 0.23 to 2.36 in.
- The bevel angle can be adjusted by removable arms (KIT for a given angle).
- The device is able to perform the double-sided bevel (X, K), without any need for material handling.
- Surprisingly silent drive.
- The machine is equipped with the automatic feed.
- The possibility of stationary and mobile use.
- 3D manipulator allows to adapt UZ29 Speeder for any unevenness or deformations in the length of machined material. It also allows to work on uneven floor.
- Smaller parts of the material are inserted directly into the machine.
- One-man machine.

Technical data:
- Max. bevel width: 29 mm / 1.14 in < 400 MPa / 58 015 PSI
  25 mm / 0 to 0.1 in > 400 MPa / 58 015 PSI
- Bevel angle: 30°, 45°, 22.5°, 37.5°, 50° (replaceable KIT)
- The thickness of the bevelled material: 6 - 60 mm / 0.23 to 2.36 in
- Engine: 1500 W
- Feed: 1.8 m/min. / 5.9 ft/min.
- Weight: 205 kg / 452 lb
- Dimensions: 1010 x 745 x 1326 mm
  39.76 x 29.33 x 52.2 in

Included in the price:
- Bevelling system UZ29 SPEEDER
- Tools for an operator.
- Packet in a wooden crate.
- User manual.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bevelling system UZ29 SPEEDER - set (KIT 30° + 45°)</td>
<td>1962</td>
<td>1903</td>
<td>1907</td>
</tr>
</tbody>
</table>

Accessories:
- ECO cutting tool - suitable for conventional steel 1970
- ECO cutting tool - suitable for conventional steel - 2 + 1 free set 1972
- PVD cutting tool - suitable for tougher materials 1971
- PVD cutting tool - suitable for tougher materials - 2 + 1 free set 1973
- Separate KIT 22.5° (on demand) 1966
- Separate KIT 30° 1964
- Separate KIT 37.5° (on demand) 1967
- Separate KIT 45° 1965
- Separate KIT 50° (on demand) 1968


Production and development in EU
Bevelling system UZ30 EXPRESS
Maximum bevel width 30 mm / 1.18 in. Automatic feed.

**UZ30 Express**

- **Gravity feed mechanism** with the optional feed rate setting
- **Ball table facilitates material handling**
- **Fast and precise adjustment of machine by adjusting gauges.**
- **Angle setting**
- **The massive design of the machine guarantees the stability and long life of the equipment**

Art. Nr. 25999 (3 Phase - 400 V)
Art. Nr. 25997 (3 Phase - 480 V)
Art. Nr. 25998 (3 Phase - 220 V)
Stationary UZ30 EXPRESS is one of the best solutions for bevelling large volumes of smaller and small workpieces or long, narrow steel strips. UZ30 EXPRESS can be used not only for bevelling, but also for deburring. Thanks to the unique geometry of the cutter the feed rate can be set up to the speed of 3.5 m/min. / 11.5 ft/min. For longer workpieces it is possible to equip the machine with an additional input and output table which extends work space to remarkable 2824 mm / 111.18 in.

- The machine designed for bevelling steel, aluminium, copper and other materials, flat bars, tubes, shaped bevelling.
- Bevelling by milling - high quality bevel (mirror finish).
- Feed control by variator.
- Cutter speed control by frequency converter.
- Another optional accessories for pipe bevelling.
- The possibility of extending the work table (input and output table - a total of 2824 mm / 111.18 in including the base table).
- Fast and precise adjustment of the machine with the gauges.

**Technical data:**
Approximate values of the maximum bevel width:

<table>
<thead>
<tr>
<th>Bevel Angle</th>
<th>Maximum Bevel Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>30°</td>
<td>30 mm / 1.18 in</td>
</tr>
<tr>
<td>45°</td>
<td>20 mm / 1.10 in</td>
</tr>
<tr>
<td>60°</td>
<td>17 mm / 0.67 in</td>
</tr>
</tbody>
</table>

Adjusting the bevel angle: 30° - 60° (continuous)

- Thickness of the material: 3 to 100 mm / 0.11 to 3.93 in
- Bevelling pipes: Ø102 - 156 mm / Ø4.01 - 6.14 in
- Cutting head engine: 3000 W
- Cutting head speed: Adjustable (frequency converter) 0 - 5500 rpm
- Feed rate: 0.6 - 3.5 m/min. / 1.96 - 11.5 ft/min
- Weight: 400 kg / 881.8 lb
- Dimensions: 825 x 1200 x 1615 mm
- Number of cutting inserts: 5 pcs

**Included in the price:**
- Bevelling system UZ30 EXPRESS
- Tools for an operator, adjusting scales.
- Packet in a wooden crate.
- User manual.

**Name of machine:**

<table>
<thead>
<tr>
<th>Bevelling System</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UZ30 EXPRESS (3 Phase - 400 V)</td>
<td>25999</td>
</tr>
<tr>
<td>UZ30 EXPRESS (3 Phase - 480 V)</td>
<td>25997</td>
</tr>
<tr>
<td>UZ30 EXPRESS (3 Phase - 220 V)</td>
<td>25998</td>
</tr>
</tbody>
</table>

**Accessories:**

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutting head (incl. clamping wedges and screws)</td>
<td>25910</td>
</tr>
<tr>
<td>Cutting inserts premium (pack of 10 pcs)</td>
<td>25907</td>
</tr>
<tr>
<td>Input and output table with adjustable stops (table length 1m/pc)</td>
<td>25908</td>
</tr>
<tr>
<td>Fixture for bevelling pipes Ø102 - 156 mm</td>
<td>25902</td>
</tr>
<tr>
<td>Adjusting gauges for machine adjustment</td>
<td>25916</td>
</tr>
<tr>
<td>Wedge for fastening of the inserts</td>
<td>25917</td>
</tr>
<tr>
<td>Screw for the wedge</td>
<td>25914</td>
</tr>
</tbody>
</table>
Bevelling system UZ50 TRIUMPH
Maximum bevel width 62 mm / 2.44 in. Automatic feed.

UZ50 Triumph

Remote control can be operated hand-held or clamped to the machine

Cutter powerful motor - 4000 W

Rotary mechanism allows to perform two-sided bevelling without a need for material handling.

Height adjustment of the machine position.

3D adaptive system

3D adaptive system compensates for inequality of floor and allows for the adjustment of machine position according to the situation at workplace.

Quick connect machine system

Dual system of synchronized feed units

Art. Nr. 1940 (3 Phase - 400 V)
Art. Nr. 1952 (3 Phase - 480 V)
Art. Nr. 1953 (3 Phase - 220 V)

Thousands of satisfied customers throughout the world
Bevelling system UZ 50 Triumph is another of the series of unique solutions developed by N.KO Machines. Basically, three bevelling systems are combined in a single machine. UZ50 Triumph can be used as a mobile beveller, which moves along the bevelled material at the speed up to 1.2 m/min, 3.93 ft/min. The range of the bevelling angle is 15° - 50°. In addition, it is possible to flip the entire machining unit upside down and create bevels for X and K form of the welds without handling machined material. This application is made possible by the rotary mechanism of the 3D manipulator, which is a standard machine equipment. Finally, the machine can be rebuilt for a stationary beveller with a special equipment UZP 30. This mode is intended for processing smaller parts with a minimum length of the bevel edge 200 mm, 8.19 in.

Adjustable cutting conditions enable the UZ50 to machine otherwise difficult materials like stainless steel, Hardox (armoured steel), Weldox and Domex on top of mild carbon steel. 3D manipulator allows to adapt UZ50 for any unevenness or deformations in the length of machined material. It also allows to work on uneven floor.

If needed it is possible to disconnect the UZ50 from the manipulator completely due to the quick-connect function within few seconds and use the UZ50 separately.

- Automatic feed with continuous adjustment of the feed rate in the range of 0 - 1.2 m/min. / 0 - 3.93 ft/min.
- High speed milling tool equipped with cutting inserts with extended life.
- The variable adjustment of the desired angle in the range 15° - 60° without having to replace any parts.
- All electronic equipment is closed in the dust-tight cabinet with increased vibration resistance.
- The machine is equipped with the most modern safety features.
- The possibility to buy ASP – active smart protection.
- The machine cuts problematic materials - e.g., stainless steel, Hardox, Weldox and Domex.

**Technical data:**

- **Max. bevel width:** 62 mm / 2.44 in
- **Adjusting the bevel angle:** 15° - 60° (continuous)
- **Material thickness:** 7 to 80 mm / 0.27 to 3.15 in
- **Motor of cutting head:** 4000 W
- **Feed speed:** 0 - 1.2 m/min. / 0 - 3.93 ft/min.
- **Weight:** 175 kg / 385.8 lb
- **Dimensions:** 1010 x 745 x 1326 mm 39.76 x 29.33 x 52.2 in
- **Number of cutting inserts:** 5 pcs

**Included in the price:**

- Bevelling system UZ50 TRIUMPH
- Tools for the operator.
- Packet in a wooden crate.
- User manual.

<table>
<thead>
<tr>
<th>Machine name</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bevelling system UZ50 TRIUMPH - including 3D manipulator (3 Phase - 400 V)</td>
<td>1940</td>
</tr>
<tr>
<td>Bevelling system UZ50 TRIUMPH - including 3D manipulator (3 Phase - 480 V)</td>
<td>1952</td>
</tr>
<tr>
<td>Bevelling system UZ50 TRIUMPH - including 3D manipulator (3 Phase - 220 V)</td>
<td>1953</td>
</tr>
</tbody>
</table>

**Accessories:**

- **Cutter head ECO 5 inserts** 1946
- **Cutting inserts (pack of 10 pcs)** 1945
- **Cutting head PREMIUM 9 inserts** 1943
- **Cutting inserts HARDOX (pack of 10 pcs)** 1955
- **Plate fence for adjusted for HARDOX bevelling and other wear-resistant materials** 1949
- **ASP active, intelligent machine protection against overload** 1942
- **UZP 30 additional table for processing small pieces** 1947
- **Screw for the inserts**

**ASP - Active intelligent machine protection against overload**

It is a system monitoring intermediate machine load and machining conditions. If the ASP system detects overload of the machine for reasons of tool wear, too high feed rate, or improperly adjusted machine, the ASP system informs the operator of this fact actively by flashing lights on the remote control.

If the operator fails to do steps leading to reduce load on the machine within 20 seconds (resizing removal, replacement of cutting tips, reducing speed), the system disconnects the supply of feed wheels and the machine stops. Beware, the system does not protect against the shock overload! The ASP system only is available for purchase as an accessory with a new machine.

**Technical data:**

Max. bevel width: 62 mm / 2.44 in
Adjusting the bevel angle: 15° - 60° (continuous)
Material thickness: 7 to 80 mm / 0.27 to 3.15 in
Motor of cutting head: 4000 W
Feed speed: 0 - 1.2 m/min. / 0 - 3.93 ft/min.
Weight: 175 kg / 385.8 lb
Dimensions: 1010 x 745 x 1326 mm 39.76 x 29.33 x 52.2 in
Number of cutting inserts: 5 pcs

**Included in the price:**

- Bevelling system UZ50 TRIUMPH
- Tools for the operator.
- Packet in a wooden crate.
- User manual.

<table>
<thead>
<tr>
<th>Machine name</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bevelling system UZ50 TRIUMPH - including 3D manipulator (3 Phase - 400 V)</td>
<td>1940</td>
</tr>
<tr>
<td>Bevelling system UZ50 TRIUMPH - including 3D manipulator (3 Phase - 480 V)</td>
<td>1952</td>
</tr>
<tr>
<td>Bevelling system UZ50 TRIUMPH - including 3D manipulator (3 Phase - 220 V)</td>
<td>1953</td>
</tr>
</tbody>
</table>

**Accessories:**

- **Cutter head ECO 5 inserts** 1946
- **Cutting inserts (pack of 10 pcs)** 1945
- **Cutting head PREMIUM 9 inserts** 1943
- **Cutting inserts HARDOX (pack of 10 pcs)** 1955
- **Plate fence for adjusted for HARDOX bevelling and other wear-resistant materials** 1949
- **ASP active, intelligent machine protection against overload** 1942
- **UZP 30 additional table for processing small pieces** 1947
- **Screw for the inserts**
Bevelling system UZ50 TRIUMPH + UZP 30 set
Maximum bevel width 34 mm / 1.33 in. Automatic feed.

**UZ50 Triumph**

+ **UZP30 set**

- Hardened working desk
- Storage area for remote control
- Protection against flying chips
- Supporting structure of the desk UZP 30

Art. Nr. 1941 (3 Phase - 400 V)
Art. Nr. 1954 (3 Phase - 480 V)
Art. Nr. 1957 (3 Phase - 220 V)

Thousands of satisfied customers throughout the world
The UZP 30 product allows modification of UZ50 TRIUMPH into the stationary bevelling station for processing smaller workpieces or narrow steel strips, it can be purchased separately or in a set with the machine UZ50 TRIUMPH. The UZ50 TRIUMPH with this accessory has all the advantages of UZ50 TRIUMPH. For example machining of harder material such a Hardox, armoured steel and etc. But it can also be used for mild carbon steel. The minimum edge length of the bevelled material must be at least 300 mm / 12 in.

- The product is intended for use with the machine UZ50 Triumph.
- The variable adjustment of the desired angle of 20° - 60° without having to replace any parts.
- The product allows bevelling small size workpieces that are inserted directly into the machine. The whole machining process is then automatic without having to hold the workpiece.
- The machine is equipped with the most modern safety features.
- Possibility to buy ASP – active smart protection.
- The machine cuts problematic materials - e.g., stainless steel, Hardox Weldox and Domex.

**Technical data:**
- Max. bevel width: 34 mm / 1.37 in
- Adjusting the bevel angle: 20° - 60° (continuous)
- Material thickness: 7 to 70 mm / 0.27 to 2.75 in
- Cutting head motor: 4000 W
- Feed speed: 0 - 1.2 m/min. / 0 - 3.93 ft/min.
- Weight: 202 kg / 445 lb
- Dimensions: 1010 x 745 x 1326 mm / 39.76 x 29.33 x 52.2 in
- Number of cutting inserts 5 pcs

**Included in the price:**
- Bevelling system UZ50 TRIUMPH + UZP30 set
- Tools for an operator.
- Packed in a cardboard. (UZ50 TRIUMPH is packet in a wooden crate).
- User manual.

**Machine name:**

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Bevelling system UZ50 TRIUMPH (incl. 3D manipulator) + UZP30 set (3 Phase - 400 V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1941</td>
<td>Bevelling system UZ50 TRIUMPH (incl. 3D manipulator) + UZP30 set (3 Phase - 480 V)</td>
</tr>
<tr>
<td>1954</td>
<td>Bevelling system UZ50 TRIUMPH (incl. 3D manipulator) + UZP30 set (3 Phase - 220 V)</td>
</tr>
<tr>
<td>1957</td>
<td>Possibility to buy ASP – active smart protection.</td>
</tr>
</tbody>
</table>

**Accessories:**

<table>
<thead>
<tr>
<th>Art. Nr.</th>
<th>Cutting head PREMIUM 9 inserts RECOMMENDED when using UZP30!</th>
</tr>
</thead>
<tbody>
<tr>
<td>1943</td>
<td>Cutting inserts (pack of 10 pcs)</td>
</tr>
<tr>
<td>1945</td>
<td>Cutting inserts HARDOX (pack of 10 pcs)</td>
</tr>
<tr>
<td>1955</td>
<td>Vertical guide plate adapted for bevelling HARDOX and other wear-resistant materials</td>
</tr>
<tr>
<td>1956</td>
<td>ASP active smart protection against overloading of the machine</td>
</tr>
<tr>
<td>1947</td>
<td>Screw for the inserts</td>
</tr>
</tbody>
</table>

**20°** 11 mm / 0.43 in (recommended in 2 reductions)  
**25°** 11 mm / 0.43 in (recommended in 2 reductions)  
**30°** 14 mm / 0.55 in (recommended in 2 reductions)  
**35°** 18 mm / 0.71 in (recommended in 2 reductions)  
**40°** 22 mm / 0.86 in (recommended in 3 reductions)  
**45°** 28 mm / 1.10 in (recommended in 3 reductions)  
**50°** 31 mm / 1.22 in (recommended in 4 reductions)  
**55°** 30 mm / 1.18 in (recommended in 5 reductions)  
**60°** 34 mm / 1.33 in (recommended in 5 reductions)  
B=max. 4.4 mm / 0.15 in (1 reduction)
Passovec 75 Runner

- Surface grinding of small workpieces
- Lever of setting the working mode
- Setting the depth of grinding
- Travelling wheels
- Contact roll of the surface grinding is coated with polyurethane
- Emergency stop

Art. Nr. 1300 (3 Phase - 400 V)
Art. Nr. 13001 (3 Phase - 480 V)
Art. Nr. 13002 (3 Phase - 220 V)
Pasovec75 RUNNER - the special belt grinder developed for surface grinding applications, in particular for grinding welds in the material surface. Pasovec75 Runner removes undesirable layer caused by the rolling of metal sheets or after metal sheet cutting using plasma or oxygen. The machine has a stable chassis, a quick adjustment mechanism and a depth stop for precise adjustment of the depth of grinding.

- Innovative, multifunctional machine.
- Continuous setting of the grinding depth.
- System for the quick deactivation of work mode.
- Station of the surface grinding of small workpieces
- Low operational costs.

**Technical data:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grinding belt width</td>
<td>75 mm / 2.95 in</td>
</tr>
<tr>
<td>Grinding belt length</td>
<td>2000 mm / 78.74 in</td>
</tr>
<tr>
<td>Engine</td>
<td>3000 W</td>
</tr>
<tr>
<td>Number of speeds</td>
<td>1 - speed</td>
</tr>
<tr>
<td>Grinding belt peripheral speed</td>
<td>30 m/s / 98.42 ft/s</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>610 x 944 x 1419 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>70 kg / 154 lb</td>
</tr>
</tbody>
</table>

**Included in price:**

1 pc Mobile belt grinder Pásovec75 Runner
1 pc Grinding belt 75 x 2000 mm / 2.95 x 78.74 in, grain 80
User manual.
Packed in a wooden crate.

**Name of machine:**

<table>
<thead>
<tr>
<th>Name of machine</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile belt grinder Pasovec75 Runner (3 Phase - 400 V)</td>
<td>1300</td>
</tr>
<tr>
<td>Mobile belt grinder Pasovec75 Runner (3 Phase - 480 V)</td>
<td>13001</td>
</tr>
<tr>
<td>Mobile belt grinder Pasovec75 Runner (3 Phase - 220 V)</td>
<td>13002</td>
</tr>
</tbody>
</table>

**Accessories:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal grinding belt, dimensions 75 x 2000 mm / 2.95 x 78.74 in, grain 36 or 60, 80, 120, package of 10 pcs</td>
<td>PAS STANDARD ZK75x2000</td>
</tr>
<tr>
<td>Grinding belt for higher grade materials (stainless steel), dimensions 75 x 2000 mm / 2.95 x 78.74 in, grain 36 or 60, 80, 120, package of 10 pcs</td>
<td>PAS TOP Quality XK75x2000</td>
</tr>
</tbody>
</table>
### Cutting tools for bevellers of other manufacturers.

<table>
<thead>
<tr>
<th>Accessories:</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutting tool ECO for the machine CEVISA - CHP6, CHP12 and other bevelling systems</td>
<td>2135</td>
</tr>
<tr>
<td>Cutting tool PVD for the machine CEVISA - CHP6, CHP12 and other bevelling systems</td>
<td>2235</td>
</tr>
<tr>
<td>Cutting tool ECO for the machine GULLCO - KBM 18</td>
<td>2133</td>
</tr>
<tr>
<td>Cutting tool PVD for the machine GULLCO - KBM 18</td>
<td>2233</td>
</tr>
</tbody>
</table>

### Expected life and the recommended care for the tool:

Tools intended for machining by rotary shear are designed for materials with the maximum strength of Rm up to 600 MPa / 87 022 PSI. Upon the compliance with all conditions specified in the instruction manual, the tool life may be up to 4000 m / 13 123 ft and more.

Realistically the life is about 2000 – 3000 m / 6561 - 9842 ft. A tool life is influenced by several factors:

**Material and its preparation**
- As already mentioned it is necessary to adhere to the maximum strength of the machined material.
- When bevelling materials with higher than allowable strength the tool life rapidly decreases, but there is also a risk of the destruction of the tool or damaging the drive unit.

The tool life can also be affected by the preparation of the material before machining. If the material at your workshop is cut by burning, you should clean the edges intended for bevelling by angle grinder.

- When burning, especially when plasma burning, edges of the material might be little bit hardened.
- This can have a significant impact on the ultimate tool life.

**Care for tool**
- Also the maintenance of the tool and especially the care for the tool has significant influence on the life of the tool.
- During bevelling, it is important to check sharpness of the tool on a regular basis and if it is blunt, it is necessary to sharpen it immediately.
- If you continue to work with a blunt tool chipping or destruction of the tool might occur.

**Working procedure**
- Also the machining procedure is important. This is thoroughly described in the instruction manual. Generally, when implementing the maximum possible reductions (bevel edge width) machining must be divided into two cuts.

This whole issue is described in detail in the machine user manual.
### Magnetic sweepers

#### Mag Brush Maxx Large
- Magnetic sweeper
- Width of the collecting bar 17.7” / 450 mm
- Collects all magnetic materials, such as steel chips, metal waste etc
- Magnetic sweeper is equipped with wheels
- You can release collected material by the simple feed of the handle part up
- Telescopic pole for comfortable using
- Packed in a paper box
- Producer: NKO MACHINES

**Technical data:**
- Working width: 450 mm / 17.71 in
- Adjustable telescopic handle: 920 - 1250 mm / 36.22 - 49.21 in
- Weight: 5.5 kg / 12 lb

<table>
<thead>
<tr>
<th>Name:</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic sweeper Mag Brush Maxx Large</td>
<td>NMF0107</td>
</tr>
</tbody>
</table>

#### Mag Brush
- Collects all magnetic materials, such as steel chips, metal waste etc
- You can release collected material by the simple feed of the handle part up
- Packed in a paper box

**Technical data:**
- Working length: 300 mm / 11.8 in

<table>
<thead>
<tr>
<th>Name:</th>
<th>Art. Nr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mag Brush</td>
<td>18654</td>
</tr>
</tbody>
</table>

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**Immediately from our warehouse**
N.KO Machines - Global market

Atlanta - USA

Bengaluru - India

Melbourne - Australia

Kielce - Poland

Brno - Czech Republic

Moscow - Russia

Beijing - China

Johannesburg - SA

Bangkok - Thailand

Jakarta - Indonesia

Istanbul - Turkey

Hannover - Germany

N.KO Machines - Global market
PRODUCER ADDRESS

N.KO spol. s r.o.
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producer of bevelling machines
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293 01 Mladá Boleslav
Czech Republic, European Union
VAT NUMBER: CZ26161109
email: nko@nko.cz
website: www.beveler.eu
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