

JANUARY 2019

PRODUCT CATALOGUE - BEVELLERS



BEVEL WITHOUT COMPROMISE

FEIN Canada, the solution provider to the Canadian metalworking market, is pleased to partner with N.KO Machines - a prominent world manufacturer of high quality efficient beveling systems. N.KO Bevellers are among the world's best, bringing innovation and a new revolutionary solution to the sphere of bevelling systems.

All bevelling machines and accessories are only made from European and American components and are known for their premium quality. N.KO products are tested and certified for sale in Canada.



FEIN Canadian Power Tool Company

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NKO & FEIN CANADA

N.KO & FEIN CANADA

N.KO Machines is a European manufacturer of the world's most advanced and innovative bevelling technology. A prominent manufacturer of premium quality high efficient bevelling systems, N.KO Bevellers are known for their premium quality and favourable prices. With many years of combined experience in welding and steel fabrication industry, N.KO Machines provide cost effective solutions for weld preparation that will improve your manufacturing process. While producing precise bevels, our equipment will lay the foundation for you to produce high quality welds. All bevelling machines and accessories are only manufactured from European and American components.

Bevelling machines bring an innovation and a new revolutionary solution to the sphere of bevelling systems and are available through our partners in over 70 countries worldwide. Whether you need to bevel Carbon Steel, Alloy Steel or Stainless Steel, we provide the solutions for you.

ABOUT FEIN

For over 150 years, the FEIN brand has stood for application solutions and premium quality. Today this long-established company is a power tool manufacturer with an international reputation as a first class German manufacturer that develops and produces products that provide solutions for the metalworking, interior construction and automotive sectors. FEIN is the specialist for professional and extremely reliable power tools for industry and skilled trades. Each and every FEIN high performance power tool meets the challenge of solving an application with an operator-oriented approach, living up to the FEIN reputation for durability and performance.

Since 1964, the FEIN Canadian Power Tool Company has followed closely in the footsteps of history and tradition by offering the Canadian market quality products. With a high level of application expertise and service, FEIN Canada is recognized as the solution provider to the industrial and renovation markets.



FEIN is the declared solution provider, as confirmed by professionals.

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B-LINE Hand Feeding (MANUAL)

Type	Drive	Max. Bevel Width	Bevel angle	Rounding of the edge	Page
B3	Electric 110V	5 mm / 0.2"	30° - 60°	No	5
B10 ELECTRA	Electric 110V	10 mm / 0.4"	30°, 37.5°, 45° 50°, 60°	R 2.5 mm / 0.08" R 3.5 mm / 0.12" R 4 mm / 0.16"	6
B15 ELECTRA	Electric 110V	15 mm / 0.6"	30°, 37.5°, 45° 50°, 60	R 2.5 mm / 0.08" R 3.5 mm / 0.12" R 4 mm / 0.16"	6
B15 AIR	Pneumatic	15 mm / 0.6"	30°, 37.5°, 45° 50°, 60°	R 2.5 mm / 0.08" R 3.5 mm / 0.12" R 4 mm / 0.16"	8
B22 ZERO	Electric 220V/3 and 110V/1	20 mm / 0.79"	0° - 60° FACING	No	9

UZ-LINE Automatic Feeding (AUTOFEED)

Type	Drive	Max. Bevel Width	Bevel angle	Rounding of the edge	Page
UZ12 ULTRALIGHT	Electric 220V/3	12 mm / 0.47"	22.5°, 30°, 37.5°, 45°, 50°	No	10
UZ15 RAPID	Electric 220V/3	15 mm / 0.6"	15° - 50°	No	12
UZ18 HARDWORKER	Electric 220V/3	18 mm / 0.71"	15° - 50°	No	13
UZ29 SPEEDER	Electric 220V/3	29 mm / 1.14"	22.5°, 30°, 37.5°, 45°, 50°	No	16
UZ50 TRIUMPH	Electric 220V/3	62 mm / 2.44"	15° - 60°	No	18



ORDER DESK / WARRANTY

FEIN ORDER DESK

HOURS OF OPERATION 8:00

AM - 4:30 PM EST
24-hour Voice Mail

323 Traders Blvd. E. Mississauga,
Ontario, Canada L4Z 2E5

EMAIL

orders@fein.ca

TELEPHONE

905-890-1390
Toll free: 1-800-265-2581
Français: 1-800-789-8181
Fax: 905-890-1866

WARRANTY

To exercise your rights under this warranty, contact FEIN CANADA directly.

Warranty and Return Policy Information

NKO MACHINES warrants the bevellers to be free from defect in materials and workmanship for a period of 1 year, standard warranty (5 years on certain models where specified) from the date of shipment to the user. If the product fails to perform in accordance with the product specifications, NKO MACHINES will repair or replace, at its option, the defective materials or parts. This warranty does not cover damage caused by accident, misuse, abuse, alteration and other defects not related to material or workmanship. The user/owner must operate the equipment in strict accordance with the most recent User Manual and any additional training or training materials provided by NKO MACHINES or FEIN CANADA.

The user/owner of this equipment shall have sole responsibility and liability for any injury to person or damage to property resulting from:

- 1) Operation not in accordance with supplied operating instructions
- 2) Maintenance not in accordance with authorized representative
- 3) Modification of the equipment or accessories
- 4) Use of damaged or unauthorized components and accessories

Damaged Shipments

All shipments should be inspected at the time of delivery. Obviously damaged packages should be refused. If your damaged shipment was delivered by transport company, please call them and report the damage. After contacting the carrier, please call FEIN CANADA for further assistance with the damaged shipment, and to make arrangements for a replacement.

Trademarks

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DEBURRING SYSTEM

B3 DEBURRING SYSTEM

The B3 Deburring System is designed for deburring and bevelling of steel parts and workpieces. A solid and stable machine for processing of different types of materials.



- 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	45° 0 - 5 mm / 0.02" - 400 MPa / 58,015 PSI 60° 0 - 3 mm / 0.12" - 400 MPa / 58,015 PSI
Motor	1,300 W
Speed	3,600 rpm
Feed	Manual
Weight	31 kg / 68 lbs
Dimensions	530 x 420 x 410 mm / 21 x 16.5 x 16.1"
Number of cutting tips	5 pieces (four-sided)

B3 DEBURRING SYSTEM

Order #	Ref.	Description
69908030033	28211	B3 Deburring system - 1-Phase 110V Includes: head and indexable inserts, tools for operators, user manual



ACCESSORIES FOR B3

Order #	Ref.	Description
69908038308	28221	Replacement cutting head (fitted with cutting inserts)
69908030034	25909	Set of coated cutting inserts (10 pieces)
69908038335	NMF0107	Mag Brush Maxx Large 30.73 x 6.3 x 7.5" (78 x 16 x 19 cm) see page 22

BEVELLERS

B10 & B15 BEVELLERS

B10 and B15 Beveling Systems are designed for bevelling and deburring parts, internal and external radii and holes. Durable and powerful hand-held tools, specially made for producing bevels for weld preparation. They use 6 indexable carbide inserts allowing for straight edges, contours and cutouts to be beveled with ease.

- FEIN high performance motor and gearbox.
- Work with steel, aluminum, copper, plastic and other materials.
- Precision dial scale allows precise adjustment of the chamfer height.
- Replaceable head for 30°, 37,5°, 45°, 50°, 60° angles.
- ErgoGrip - unique, sophisticated and patent-pending ergonomic concept for fatigue-free work.
- POWERtronic for enormous power, reserve capacity and extremely uniform speed under load.
- Extensive operator protection thanks to Kickback Stop, self-start lock, soft-start and electronic overload protection.
- AutoStop deadman's switch.
- Solid metal gear head.
- Best vibration values in its class.
- 13 foot HO7 industrial cable.



B10 Electra

Electronic speed control



High Performance
Motor and Gearbox



B15 Electra

Rotating ergonomic handle



Technical data

Model	B10 ELECTRA	B15 ELECTRA
Bevel angle	Replaceable head 30°, 37.5°, 45°, 50°, 60° Other angles on demand	Replaceable head 30°, 37.5°, 45°, 50°, 60° Other angles on demand
Bevel width	0 to 10mm / 0 to 0.4" < 400 MPa / 58,015 PSI 0 to 5mm / 0 to 0.2" > 400 MPa / 58,015 PSI	0 to 15 mm / 0 to 0.6" < 400 MPa / 58,015 PSI 0 to 8 mm / 0 to 0.3" > 400 MPa / 58,015 PSI
Motor	1,500 W	2,000 W
Speed	2,700 - 8,500 rpm	6,600 rpm
Feed	Manual	Manual
Weight	6 kg / 13.2 lbs	9.5 kg / 20.9 lbs
Number of cutting tips	6 cutting tips (up to bevel width 8 mm, only 3 pieces in the angle)	6 cutting tips

BEVELLERS

★ **Important: Machine does not include milling head, it must be selected and purchased separately.**

Order #	Ref.	Model	Maximum bevel width	Includes
69908030014	25301	B10 Electra Beveller 120V 1-Phase, Variable speed control	3/8" / 10 mm	Tools for operators, user manual
69908030015	25251	B15 Electra Beveller 120V 1-Phase	9/16" / 15 mm	Tools for operators, user manual



27223



27233

MILLING HEADS FOR B10 ELECTRA / B15 ELECTRA / B15 AIR

Order #	Ref.	Description	Includes
69908030303	27222	45° milling head with 6 inserts	6 screws, 6 carbide inserts, impeller, screw for impeller
69908030304	27223	30° milling head with 6 inserts	
69908030305	27227	37.5° milling head with 6 inserts	
69908030306	27224	50° milling head with 6 inserts	
69908030307	27240	60° milling head with 6 inserts	
69908030308	27233	3.5 mm radius milling head	3 screws, 3 carbide inserts, impeller, screw for impeller
69908030309	27234	2.5 mm radius milling head	



26110



Mag Brush Maxx

ACCESSORIES FOR B10 ELECTRA / B15 ELECTRA / B15 AIR

Order #	Ref.	Description	Pack
69908030310	27231	Coated insert set for milling heads (4-sided)	10 pieces
69908030311	26109	Set 2.5 mm radius inserts	10 pieces
69908030312	26110	Set 3.5 mm radius inserts	10 pieces
69908030313	26111	Set 4.0 mm radius inserts - compatible with head 3.5 mm / 0.12"	10 pieces
69908030320	27241	Screw for inserts	1
69908038309	27242	Screw for radius/rounding inserts	1
69908030324	25250.16	Screw for impeller/guiding roll (not for B15 Air)	1
69908038335	NMF0107	Mag Brush Maxx Large 30.73 x 6.3 x 7.5" (78 x 16 x 19 cm) see page 22	1

BEVELLERS

B15 AIR BEVELLER

B15 AIR Beveller - heavy duty, designed for bevelling and deburring of straight and shaped parts, internal and external radiuses and holes. Ideal for producing bevels for weld preparation. Powerful pneumatic drive for extreme loads.



HEAVY-DUTY

- 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.

**For accessories
see page 7**

**BY SPECIAL
ORDER ONLY**



Technical data

Bevel angle	Replaceable head 30°, 37.5°, 45°, 50°, 60° Other angles on demand
Bevel width	0 to 15 mm / 0 to 0.06" < 400 MPa / 58,015 PSI 0 to 8 mm / 0 to 0.31" > 400 MPa / 58,015 PSI
Engine	Pneumatic
Engine Power	2,984 W
Speed	6,000 rpm
Air consumption	750 l/min
Operating pressure	6 bar / 87.02 PSI
Weight	7.5 kg / 16.5 lbs
Number of cutting tips	6 pieces

B15 AIR BEVELLER

★ **Important: Machine does not include milling head, it must be selected and purchased separately.**
For accessories see page 7.

Order #	Ref.	Description
69908030027	27220	B15 AIR Beveller Includes: operational tools, user manual

BEVELLERS

B22 ZERO BEVELLER

B22 ZERO Beveller is designed for bevelling and deburring straight edges, and “Facing” as in removing an unwanted layer of materials on the workpiece edge resulting from cutting the metal sheet by burning. Ideal for producing bevels for weld preparation. Powerful electric drive for extreme loads.

- Able to continuously adjust the working angle in the range of 0° to 60°.
- Capable of performing FACING - edge processing at an angle of 0° to remove unwanted material layer after burning operation.
- Unique scaling mechanism of the bevel size increases precision.
- Very compact and ergonomic design allows high labour productivity.
- All-round protection frame protects the machine and provides various grip areas.



Technical data	
Bevel angle	Continuously adjustable between 0° to 60°
Bevel width	0 to 20 mm / 0 to 0.79” < 400 MPa / 58,015 PSI 0 to 16 mm / 0 to 0.63” > 400 MPa / 58,015 PSI
Motor	1,100 W
Speed	2,850 rpm
Weight	19.5 kg / 43 lbs
Number of inserts	10 pieces

- With the appropriate equipment, pipes and tubes can be bevelled from Ø 150 mm / 5.9”.
- Additional adjustable handle.



B22 ZERO BEVELLER		
Order #	Ref.	Description
69908030042	29221	B22 ZERO Beveller 110V 1-phase *AVAILABLE 2019
69908030028	29212	B22 ZERO Beveller 220V/60H 3-phase
Includes: head, inserts (10 pieces)		

ACCESSORIES FOR B22 ZERO		
Order #	Ref.	Description
69908038301	29201	Standard milling head (2 wheels, screws)
69908038310	29202	Premium milling head - Designed for stainless steel
69908030314	29203	Set of inserts for standard milling head (10 pieces)
69908038312	29205	Set of inserts for premium milling head (10 pieces)
69908038302	29204	Adaptor for tubes, pipe and tube bevelling from Ø 150 mm / 6”
69908038311	29206	Additional adjustable handle
69908038335	NMF0107	MagBrush Maxx Large 30.73x6.3x7.5” (78x16x19cm) page 22

BEVELLERS

**3 BEVELLERS
IN ONE**

UZ12 ULTRALIGHT BEVELLER

The UZ12 ULTRALIGHT is one of the lightest bevelling machines with automatic feed in the market. Thanks to its compact size and low weight, it is perfect not only for workshops but also for assemblies.



- For conventional steel (up to strength of 600 MPA / 87,022 PSI), stainless steel, brass, copper and aluminium materials.
- For bevelling material with minimum dimensions - width 65 mm / 2.56", length 60 mm / 2.36", thickness 3 mm / 0.12".
- Thickness of bevelled material 3 to 35 mm / 0.12 to 1.37".
- Bevelling of pipes from the internal Ø 95 mm / 3.74".
- Bevel angle can be changed using replaceable arms (Kit for a given angle).
- Capable of performing double-sided bevel (X, K) without the need for material handling.
- Incredibly silent operation - the quietest bevelling system on the market.
- Equipped with an automatic feed.
- Stationary and mobile use.
- Work on large workpieces without support at a speed of 1.8 m/min / 5.9 ft/min.
- Smaller pieces of material can be inserted directly into the machine.
- Lightweight and compact design - one-man machine.
- Thermal protection of the motor.

Technical data

Maximum bevel width	12 mm / 0.47"
Bevel angle	30°, 45°, 22.5°, 37.5°, 50° (replaceable KIT)
Thickness of bevelled material	3 to 35 mm / 0.12 to 1.37"
Engine	400 W
Feed	1.8 m/min / 5.9 ft/min
Weight	30 kg / 66 lbs
Dimensions	470 x 294 x 523 mm / 18.5 x 11.57 x 20.59"



UZ12 ULTRALIGHT BEVELLER

Order #	Ref.	Description
69908030029	1912	UZ12 ULTRALIGHT Beveler 220V 60Hz 3-phase Includes: Kit 30°+ 45°+ 22.5°+ 37.5°+ 50°, attachment for tubes, voltage + frequency, cutter for normal steel, cutter puller, operational tools
69908030041	1913	UZ12 ULTRALIGHT Beveler 220V 60Hz 3-phase Includes: Kit 30°+ 45°, voltage + frequency, cutter for normal steel, cutter puller, operational tools

BEVELLERS

3D MANIPULATOR		
Order #	Ref.	Description
69908030031	1930	3D Manipulator (without machine)
69908038303	1911	Adaptor for mounting manipulator



CUTTERS FOR UZ12 ULTRALIGHT		
Order #	Ref.	Description
69908030316	1927	ECO cutter for mild steel
69908038313	1916	PVD coated cutter for tough materials
PRICE ADVANTAGE: 2+1 FREE		
69908038314	1928	Set of 3 ECO cutters for mild steel
69908038315	1935	Set of 3 PVD coated cutters for tough materials



ACCESSORIES FOR UZ12 ULTRALIGHT		
Order #	Ref.	Description
69908038304	1919	Pipe and tube bevelling attachment from Ø 3.74" (95 mm) internal diameter
69908038316	1923	Kit 30°
69908038317	1924	Kit 45°
69908038305	1925	Kit 37.5°
69908038306	1926	Kit 22.5°
69908038307	1929	Kit 50°

GENERAL ACCESSORIES		
Order #	Ref.	Description
69908038335	NMF0107	Mag Brush Maxx Large 30.73 x 6.3 x 7.5" (78 x 16 x 19 cm) See page 22



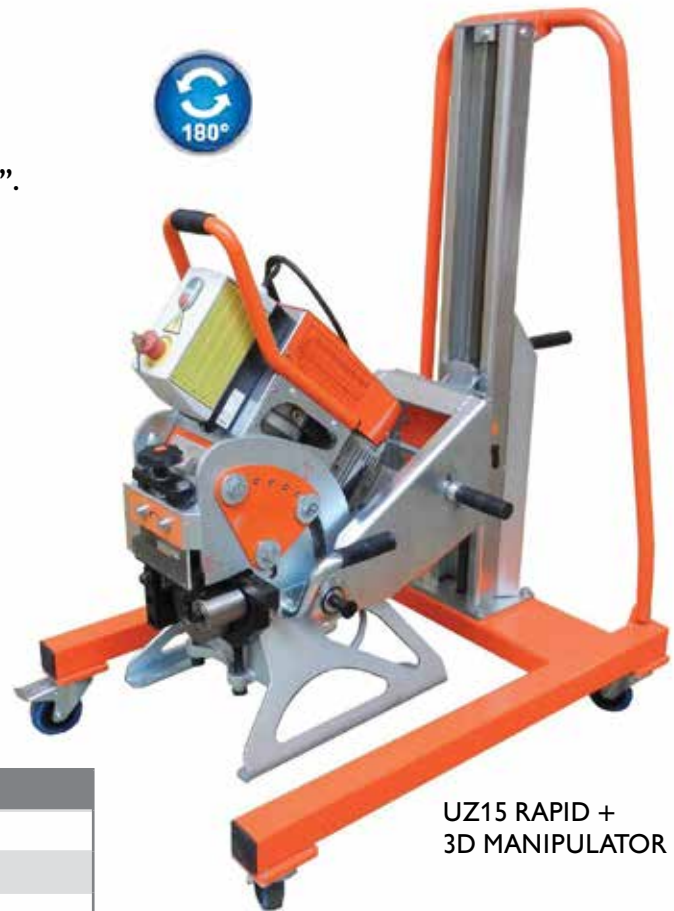
BEVELLERS

**3 BEVELLERS
IN ONE**

UZ15 RAPID BEVELLER

The UZ15 RAPID machine is one of the fastest automatic bevelling machines with 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. The machine is equipped with an automatic feed which makes working with the UZ15 RAPID 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", length 150 mm / 5.9", thickness 6 mm / 0.23".
- Thickness of bevelled material 6 to 40 mm / 0.23 to 1.57".
- Bevel angle is easily adjustable from 15° to 50° smoothly - without the need to replace any parts.
- Capable of performing double-sided bevel (X, K) without the need for material handling.
- Easy connection to the 3D Manipulator for convenient operation and handling.
- Stationary and mobile use.
- 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.
- Price advantage when purchasing UZ15 RAPID together with the 3D Manipulator.



UZ15 RAPID +
3D MANIPULATOR

Technical data

Maximum bevel width	15 mm / 0.6" (600 MPa / 87,022)
Adjustable angle	15° to 50°
Thickness of bevelled material	6 to 40 mm / 0.23 to 1.57"
Motor	1,500 W
Feed - Automatic	3.5 m/min. / 11.48 ft/min.
Weight	94 kg / 207 lbs
Dimensions	530 x 395 x 860 mm / 20.9 x 15.5 x 33.9"

**For accessories
See page 15**

UZ15 RAPID BEVELLER

Order #	Ref.	Description
69908030043	1933	UZ15 RAPID Bevelling System 3-Phase 220V Includes: standard cutting tool, tools for operator, user manual
69908030044	1938	UZ15 RAPID Bevelling System 3-Phase 220V WITH 3D MANIPULATOR (page 14) Includes: standard cutting tool, tools for operator, user manual

BEVELLERS

**3 BEVELLERS
IN ONE**

UZ18 HARDWORKER BEVELLER

The UZ18 HARDWORKER is one of the most powerful bevelling machines with automatic feed on the market, suitable not only for workshops but also for assembly on-site. It has a continuous working angle adjustment system. Thanks to the special design of the drive system, the UZ 18 HARDWORKER is also suitable for tougher materials.

- For conventional steel (up to 700 MPa / 101,256 PSI), brass, copper and aluminium.
- For bevelling material with minimum dimensions - width 70 mm / 2.75", length 150 mm / 5.9", thickness 6 mm / 0.23".
- Thickness of bevelled material 6 to 40 mm / 0.23 to 1.57".
- Bevel angle is easily adjustable from 15° to 50° smoothly and without the need to replace any parts.
- Capable of performing double-sided bevel (X, K) without the need for material handling.
- Easy connection to the 3D Manipulator for convenient operation and handling.
- Stationary and mobile use.
- Works on large workpieces without support
- Smaller pieces of material are inserted directly into the machine.
- Price advantage when purchasing UZ18 HARDWORKER together with the 3D Manipulator.



**For accessories
See page 15**

Technical data

Maximum bevel width	18 mm / 0.71" (600 MPa / 87,022)
Continuously adjustable angle	15° to 50°
Thickness of bevelled material	6 to 40 mm / 0.23 to 1.57"
Motor	750 W
Feed - Automatic	1.9 m/min / 6.23 ft/min
Weight	110 kg / 242.5 lbs
Dimensions	438 x 719 x 644 mm / 17.24 x 28.3 x 25.3"



UZ18 HARDWORKER BEVELLER

Order #	Ref.	Description
69908030030	1982	UZ18 HARDWORKER Beveling System 3-Phase 220V Includes: standard cutting tool, tools for operator, user manual
69908030045	1985	UZ18 HARDWORKER Beveling System 3-Phase 220V WITH 3D MANIPULATOR (page 14) Includes: standard cutting tool, tools for operator, user manual

BEVELLERS

3D MANIPULATOR

3D MANIPULATOR allows you to rotate the machine by 180° to create a two-sided bevel. Also allows the complete machine to transition to the workpiece.

The unique design of the manipulator allows for a simple turning of the beveling machine by 180° to perform the X, K double-sided bevel. There is no need to use any tools for rotation or to handle material, resulting in significant time savings. Its quick-connect system connects and disconnects the UZ15, UZ18 or UZ50 from the 3D Manipulator within seconds without the use of any tools. This is ideal when the 3D Manipulator cannot track the machine due to the poor quality of the working floor, so 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 machine “floats” on the machined metal sheet and compensates for any unevenness of the floor or material deformation.

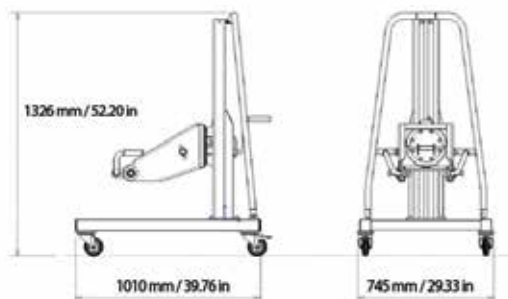
3D MANIPULATOR

Order #	Ref.	Description
69908030031	1930	3D Manipulator (without machine)

- Quick and easy rotation of the machine by 180° to create double-sided beveling in X or K shape - so no need for a crane to turn the material which saves time.
- Unique clamping system clamps or removes the machine from the manipulator in a few seconds without any tools.
- The machine “floats” in the 3D Manipulator which compensates for floor unevenness.
- 3D Manipulator provides convenient transport of the machine across the workplace - large castors for ease of movement.
- Required height of the machine can be adjusted using the lifting device.
- It is possible to use the machine with or without the 3D Manipulator.
- Use the 3D Manipulator in a stationary mode.
- Use the 3D Manipulator as a fixed workstation for processing small pieces.
- Use the 3D Manipulator as a service station for maintenance of the machine.



3D adaptive system



Technical data

Weight of the whole set	179 kg / 394 lbs
Dimensions	1,010 x 745 x 1,326 mm 39.76 x 29.33 x 52.2"

BEVELLERS

ACCESSORIES FOR UZ15 RAPID & UZ18 HARDWORKER

CUTTERS		
Order #	Ref.	Description
69908038318	2136	PREMIUM cutter (coated) For mild steel
69908030315	2137	ECO cutter For mild steel
69908038319	2142	PVD cutter For hard materials
PRICE ADVANTAGE: 2+1 FREE		
69908038320	2134	Set of 3 ECO cutters for mild steel
69908038321	1936	Set of 3 PVD coated cutters for tough materials



2136



2137



2134



1936

GENERAL ACCESSORIES		
Order #	Ref.	Description
69908038335	NMF0107	Mag Brush Maxx Large 30.73 x 6.3 x 7.5" (78 x 16 x 19 cm) see page 22



BEVELLERS

**3 BEVELLERS
IN ONE**

UZ29 SPEEDER BEVELLER

COMING SOON

UZ29 SPEEDER is one of the largest and most powerful machines in the field of rotary cutting bevelling machines. It is equipped with an automatic feed and can be used as a stationary machine for large and small volumes of smaller workpieces. At the same time, it can be used as a mobile bevelling system while it moves along the machined steel sheet at a rate of almost two metres per minute. The UZ29 SPEEDER is capable of machining both, mild and stainless steel.

It is also 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 included as standard equipment.

- For conventional steel (up to strength 700 MPa / 101,526 PSI), stainless steel, brass, copper and aluminium materials.
- Bevelled material thickness 6 to 60 mm / 0.23 to 2.36"
- Bevel angle can be adjusted by removable arms (Kit for a given angle).
- Able to perform the double-sided bevel (X, K) without any need for material handling.
- Surprisingly silent drive.
- Machine is equipped with automatic feed.
- Stationary and mobile use.
- The manipulator adapts the UZ29 SPEEDER to any unevenness or deformation in the length of machined material - it also allows for work on uneven floors.
- Smaller parts of the material are inserted directly into the machine.
- One-man machine operation.



Technical data

Maximum bevel width	0 to 29 mm / 0 to 1.14" < 400 MPa / 58,015 PSI 0 to 25 mm / 0 to 0.1" > 400 MPa / 58,015 PSI
Bevel angle	30°, 45°, 22.5°, 37.5°, 50° (replaceable Kit)
Thickness of bevelled material	6 to 60 mm / 0.23 to 2.36"
Motor	1,500 W
Feed- Automatic	1.8 m/min / 6 ft/min
Weight	205 kg / 452 lbs
Dimensions	1,010 x 745 x 1,326 mm / 39.76 x 29.33 x 52.2"

BEVELLERS

UZ29 SPEEDER BEVELLER		
Order #	Ref.	Description
69908030046	1907	UZ29 SPEEDER Beveling System 3-Phase 220V with MANIPULATOR Includes: Manipulator, Kit 30° + 45°, standard cutting tool, tools for operator, user manual



1970



1971



Kit



1972

ACCESSORIES FOR UZ29 SPEEDER		
Order #	Ref.	Description
69908038322	1970	ECO cutter - suitable for conventional steel
69908038323	1971	IPVD cutter - suitable for tougher materials

PRICE ADVANTAGE: 2+1 FREE

69908038324	1972	Set of 3 ECO cutters - suitable for conventional steel (2 + 1 free)
69908038325	1973	Set of 3 PVD cutters- suitable for tougher materials (2 + 1 free)
Order #	Ref.	Description
69908038326	1966	Separate Kit 22.5°
69908038327	1964	Separate Kit 30°
69908038328	1967	Separate Kit 37.5°
69908038329	1965	Separate Kit 45°
69908038330	1968	Separate Kit 50°

BEVELLERS

UZ50 TRIUMPH BEVELLER WITH 3D MANIPULATEUR

UNIQUE DOUBLE SIDED BEVELLER ► 3 BEVELLERS IN ONE

UZ50 TRIUMPH Beveling System is another unique solution developed by N.KO Machines, where three beveling systems are combined into a single machine. The UZ50 Triumph can be used as a mobile beveller which moves along the beveled material at the speed up to 1.2 m/min / 3.93 ft/min. The range of the beveling angle is 15° to 60°. It is also possible to flip the entire machine upside down and create bevels for X and K form of the welds without handling machined material. This is possible through the rotary mechanism of the 3D manipulator, which is included as standard equipment. In addition, the machine can be turned into a stationary beveller by attaching the UZP 30 add-on table, to process smaller parts with a minimum length bevel edge of 200 mm / 8.19”.

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. The 3D Manipulator adapts the UZ50 to any unevenness or deformation in the length of machined material, and allows work on uneven floor. If needed, the UZ50 can be disconnected from the manipulator in a few seconds due to the quick-connect function for use separately.

- Automatic feed with continuous adjustment of the feed rate in the range of 0 to 1.2 m/min / 0 to 3.93 ft/min.
- High speed milling tool equipped with cutting inserts with extended life.
- Variable adjustment of the desired angle in the range of 15° to 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.
- Cut problematic materials - e.g., stainless steel, Hardox, Weldox and Domex.

**3 BEVELLERS
IN ONE**



Technical data

Maximum bevel width	62 mm / 2.44”
Adjusting the bevel angle	15° to 60° (continuous)
Material thickness	7 to 80 mm / 0.27 to 3.15”
Motor of cutting head	4,000 W
Feed Speed	0 to 1.2 m/min / 0 to 3.93 ft/min
Weight	175 kg / 385.8 lbs
Dimensions	1,010 x 745 x 1,326 mm 39.76 x 29.33 x 52.2”
Number of cutting inserts	5 pieces

BEVELLERS

EXCLUSIVE PACKAGE “BUY AND BEVEL”

Order #	Ref.	Description
69908030032	1953	UZ50 TRIUMPH BEVELLER 220V 60Hz 3-phase with 3D MANIPULATOR Includes: 3D Manipulator, standard cutting head with inserts, tools for operator, user manual

For accessories - see pages 20-21



BEVELLERS

ACCESSORIES FOR UZ50 TRIUMPH

The UZP30 product allows modification of the UZ50 TRIUMPH into a stationary beveling station for processing smaller workpieces or narrow steel strips. 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”.

UZP30 EQUIPMENT

For beveling small flat steel
(the table is mounted on beveller in upside-down position)



UZP30 ADD-ON TABLE		
Order #	Ref.	Description
69908030321	1942	UZP30 add-on table for processing small parts

Technical data	
Table size	700 x 200 mm / 27.6 x 7.87”
Working height	914 mm / 36”
Weight (without machine)	30 kg / 66 lbs
Smallest possible size workpiece	200 x 100 x 7 mm / 27.6 x 4 x 0.28”



BEVELLERS



1945



1946



1943



1949



1955



ACCESSORIES FOR UZ50 TRIUMPH

Order #	Ref.	Description
69908030317	1945	Set of cutting inserts 1 package = 10 pieces
69908038331	1946	ECO milling head Includes: screws, key for screws, without inserts Suitable for 5 pieces inserts 1945 or 1955
69908030322	1943	PREMIUM milling head 9 inserts Includes: screws, key for screws, without inserts Suitable for 9 pieces inserts 1945 or 1955 Recommended when using UZP30
69908038332	1947	Screws for inserts 1 package = 10 pieces
69908038333	1949	Vertical guide plate steel Developed for bevelling of HARDOX, DOMEX and abrasion resistant plates
69908030323	1955	Set of HARDOX cutting inserts 1 package = 10 pieces

GENERAL ACCESSORIES

Order #	Ref.	Description
69908038335	NMF0107	Mag Brush Maxx Large 30.73 x 6.3 x 7.5" (78 x 16 x 19 cm) see page 22

GENERAL ACCESSORIES

MAGBRUSH MAXX LARGE

MAG BRUSH MAXX LARGE

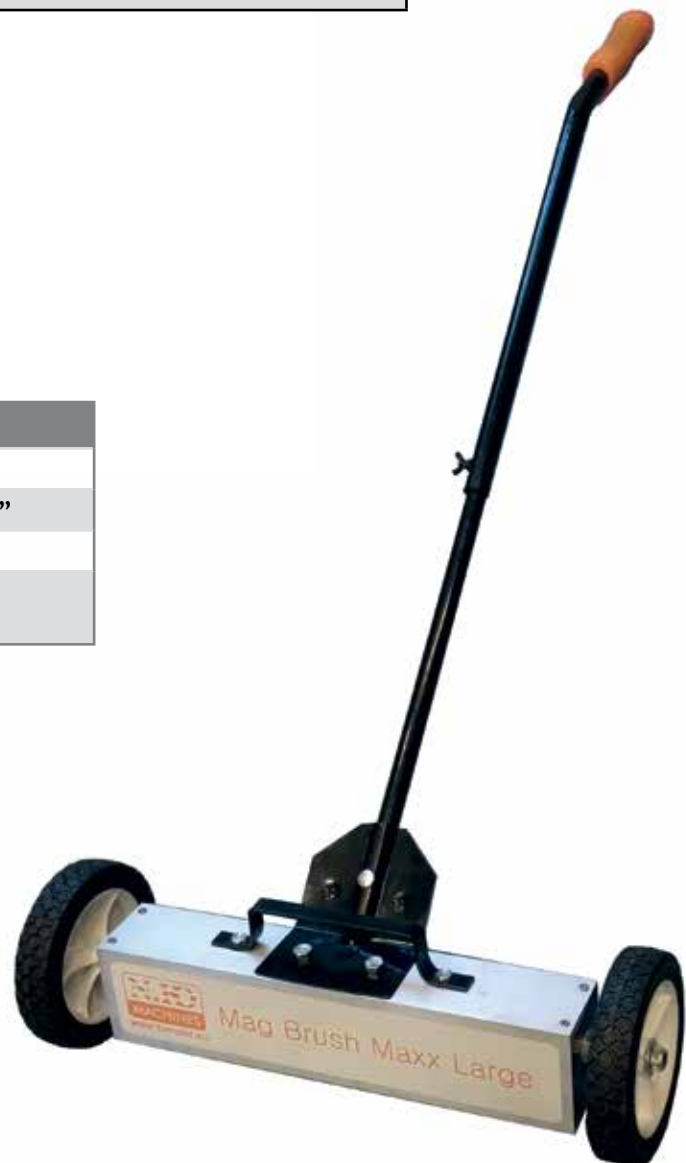
Order #	Ref.	Description
69908038335	NMF0107	Mag Brush Maxx Large 30.73 x 6.3 x 7.5" 78 x 16 x 19 cm

**BY SPECIAL
ORDER ONLY**

- Magnetic sweeper
- Width of the collecting bar 17.73" / 45 cm
- Collects all magnetic materials such as steel chips and metal waste etc.
- Magnetic sweeper is equipped with robust wheels
- Release collected material by the simple feed of the handle part up
- Telescopic handle for comfortable use

Technical data

Working width	450 mm / 17.71"
Adjustable telescopic handle	920 to 1,250 mm / 36.2 to 49.2"
Weight	5.5 kg / 12 lbs
Dimensions	30.73 x 6.3 x 7.5" 78 x 16 x 19 cm



GENERAL ACCESSORIES

CUTTERS FOR OTHER MANUFACTURERS

CUTTERS FOR OTHER MANUFACTURERS		
Order #	Ref.	Description
69908038334	2135	ECO cutter for CEVISA machine - CHP6, CHP12 and other bevelling systems
69908038336	2235	PVD cutter for CEVISA machine - CHP6, CHP12 and other bevelling systems
69908030318	2133	ECO cutter for GULLCO machine - KBM 18
69908038337	2233	PVD cutter for GULLCO machine - KBM 18

Expected life and the recommended care for the cutter head:

Cutter heads intended for machining by rotary shearing 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 cutter life may be up to 4,000 m / 13,123 ft and more.

Realistically the life is about 2,000 to 3,000 m / 6,561 to 9,842 ft.



2135



2133

The cutter 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 cutter life rapidly decreases and there is also a risk of the destruction of the cutter or damaging the drive unit.

The cutter 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 with an 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 cutter life.

Care of the cutter

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

Working procedure

The machining procedure is important and this is thoroughly described in the instruction/user manual. Generally, when implementing the maximum possible reductions (bevel edge width), machining must be divided into two cuts.



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