

# B ALFRA Bevelling Machine



# UZ -20



## ALFRA Bevelling and Deburring Machine with automatic feeding – UZ-20



- Powerful, stationary bevelling and deburring machine for the efficient bevelling of flat steel, plates and profile material.
- For all carbon steels, cast iron, aluminium and light metal alloys, non-ferrous metals and all cuttable materials.
- The feed permits bevel machining without tight clamping of the workpiece.
- The swiveling milling spindle permits a milling angle within a continuous range of 30 – 60°.
- The UZ 20 permits a maximum bevel width of 18 mm at a bevel angle of 45°.
- The feed can be infinitely adjusted.
- Optional: Additional guide bench for machining round, square and rectangular tubes.
- For robust continuous use.
- Excellent surface. Clean bevel.

### Technical data:

Working range:	
Max. bevel width (B)	25 mm at a bevel angle of 30° 18 mm at a bevel angle of 45° 15 mm at a bevel angle of 60° 30° - 60° infinitely variable
bevel angle: (to the horizontal)	
Max. workpiece length: (without supply table)	1000 - 1500 mm
(with supply and output table)	1500 - 3000 mm, depending on weight
workpiece width:	400 - 600 mm
Workpiece thickness:	3 - 40 mm
Round pipes:	min. 30 mm, max. 220 mm
Square/rectangular tubes:	min. 30 mm, max. 210 mm from 50 x 50 mm
Angle steel:	
Nn-ferrous metals:	3 - 60 mm (maximum bevel width 22 mm)
Insert holder/motor power:	3 KW
Voltage:	380 V, 50 Hz (60 Hz) 3 bevels
Speed:	2890 rpm

Feed motor (Siemens):	
Capacity :	0,25 KW / 860 rpm
Automatic feed:	for flat steel only, min. workpiece width 50 mm

Feed wheel, rubberised:	235 mm Ø x 40 mm wide
Gearbox speed, adjustable:	1 - 4,5 rpm ( 737 - 3316 mm/min.) corresponds to feed of approx. 0.7 to 3.3 meters)

Control panel:	swivelling
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Insert holder:	Ø 100 mm
	7 indexable inserts eight-sided, interchangeable

Dimensions:	
Table working height:	900 mm
Support table:	740 x 380 mm
Supply and output table: width x depth	1000 x 400 mm 940 mm x 1,150 mm
Height, with control panel	1,570 mm
Total width with supply and output table	3000 mm
Machine weight	360 kg
Supply/output table weight à	35 kg
Guidance table with crossfeed stop for:	round, square and rectangular tubes, 14 kg
Sound level, idle	70 dB (A)
At average load	90 dB (A)



### Scope of Supply:

- ALFRA UZ-20 bevelling and deburring machine, ready to use
- 1 Tool Set
- Operation Manual

	Prod.-No.
Stationary UZ 20 bevelling and deburring machine	25910
<b>Accessories/Spare parts:</b>	
Spare indexable inserts for UZ 20, eight-sided	25901
Change out as set only (7 pieces)	
ISO code St. 37 cast steel: ODMW050508SN	
Guidance table with crossfeed stop	25902
(for round, square and rectangular tubes	
Supply table (right) 1000 x 400 mm, complete	25904
Output table (left) 1000 x 400 mm, complete	25905
Machine in special/custom type on request.	