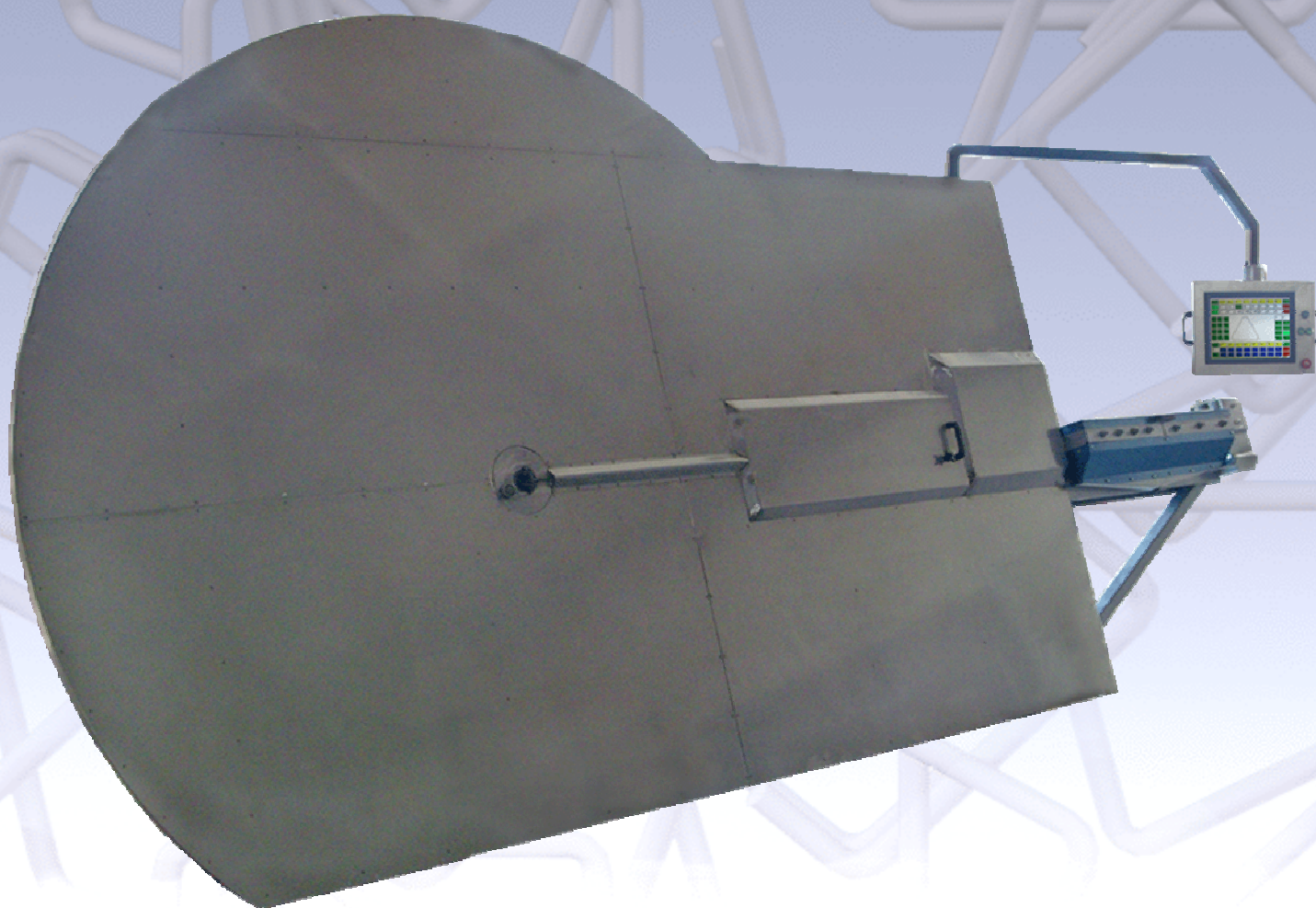


CATALOGUE

KOMAND Ltd

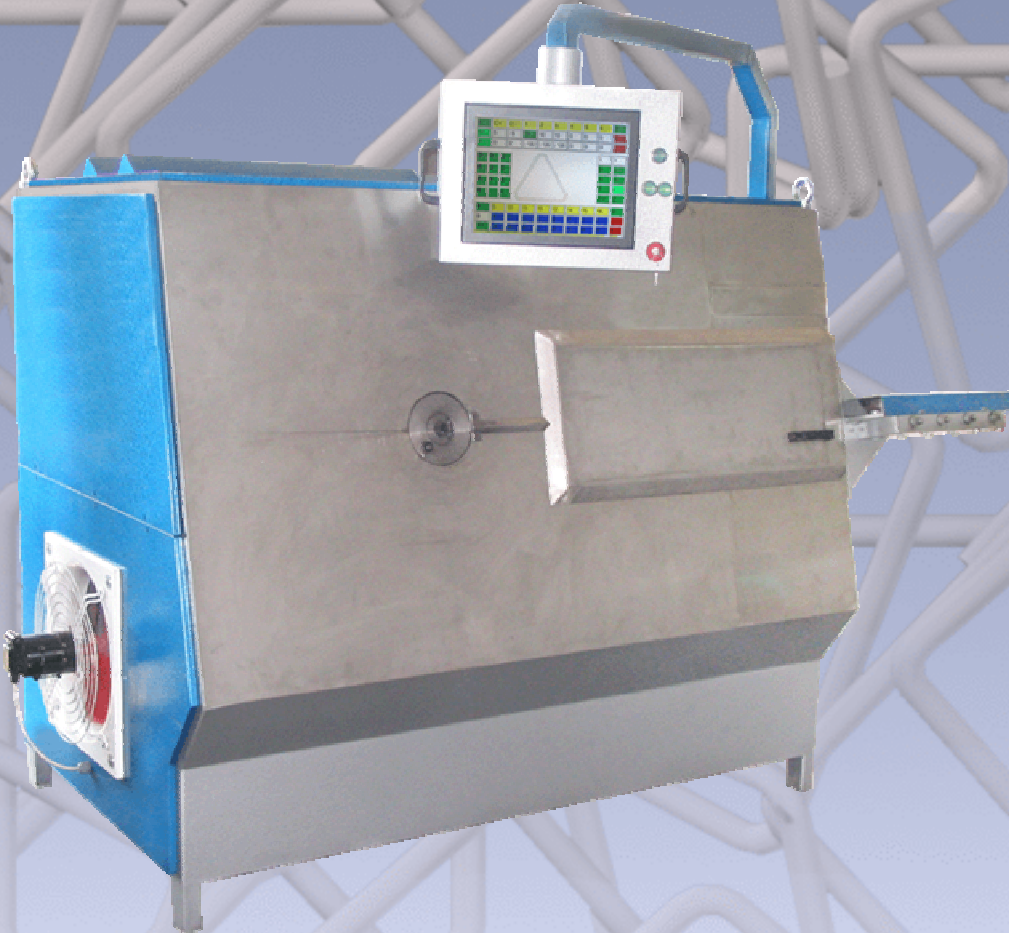
MACHINES FOR ARMATURE BASIS



AUTOMATIC STIRRUP BENDING MACHINE

model:
KOMAND AB-8

Automatic Stirrup Bender is designed for winding, straightening, bending and cutting of armature iron up to $\phi 8$ mm.



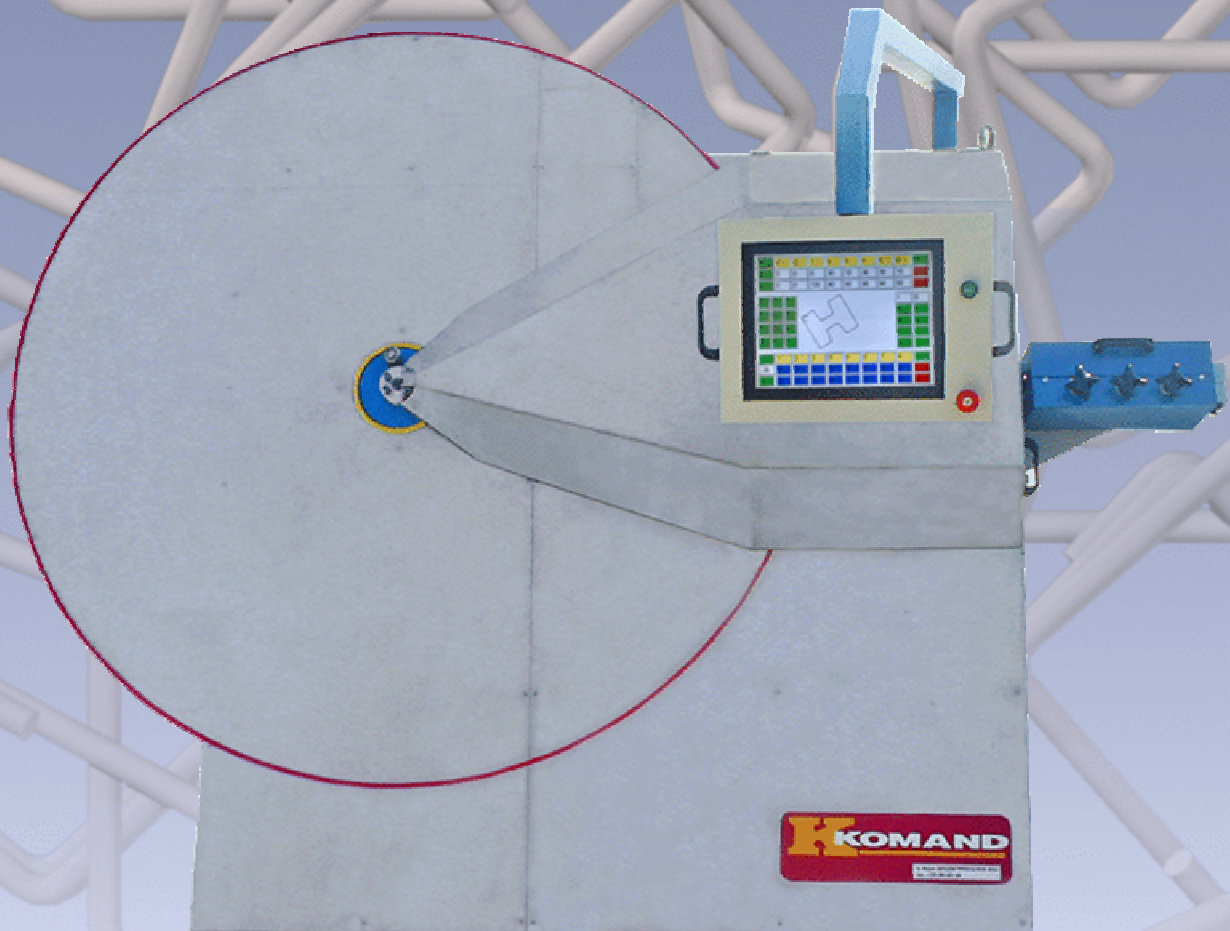
Technical Specification

Diameter of armature, mm	up to $\phi 8$
Speed of pulling, m/min, m/s	0 ÷ 1
Speed of bending, °/s	0 ÷ 300
Time to cut, sec	0,15
Number of input angles for one items	1 ÷ 100
Number of input lengths for one items	1 ÷ 100
Maximum bending length of the side, mm	500
Minimum first length, mm	50
Minimum last length, mm	30
Maximum positive bending angle, °	180
Maximum negative bending angle, °	180
Number of stirrup (length 1100 mm whit 5 bends), pcs/h	750
Length tolerance, mm	до $\pm 0,1$
Angle tolerance, °	до ± 1
Number of the programs	200
Voltage, V	380
Power, kW	7,5
Weight, kg	1800
Dimension L x B x H, mm	2800 x 1300 x 2000

AUTOMATIC STIRRUP BENDING MACHINE

model:
KOMAND AB-10

Automatic Stirrup Bender is designed for winding, straightening, bending and cutting of armature iron up to $\phi 10$ mm.



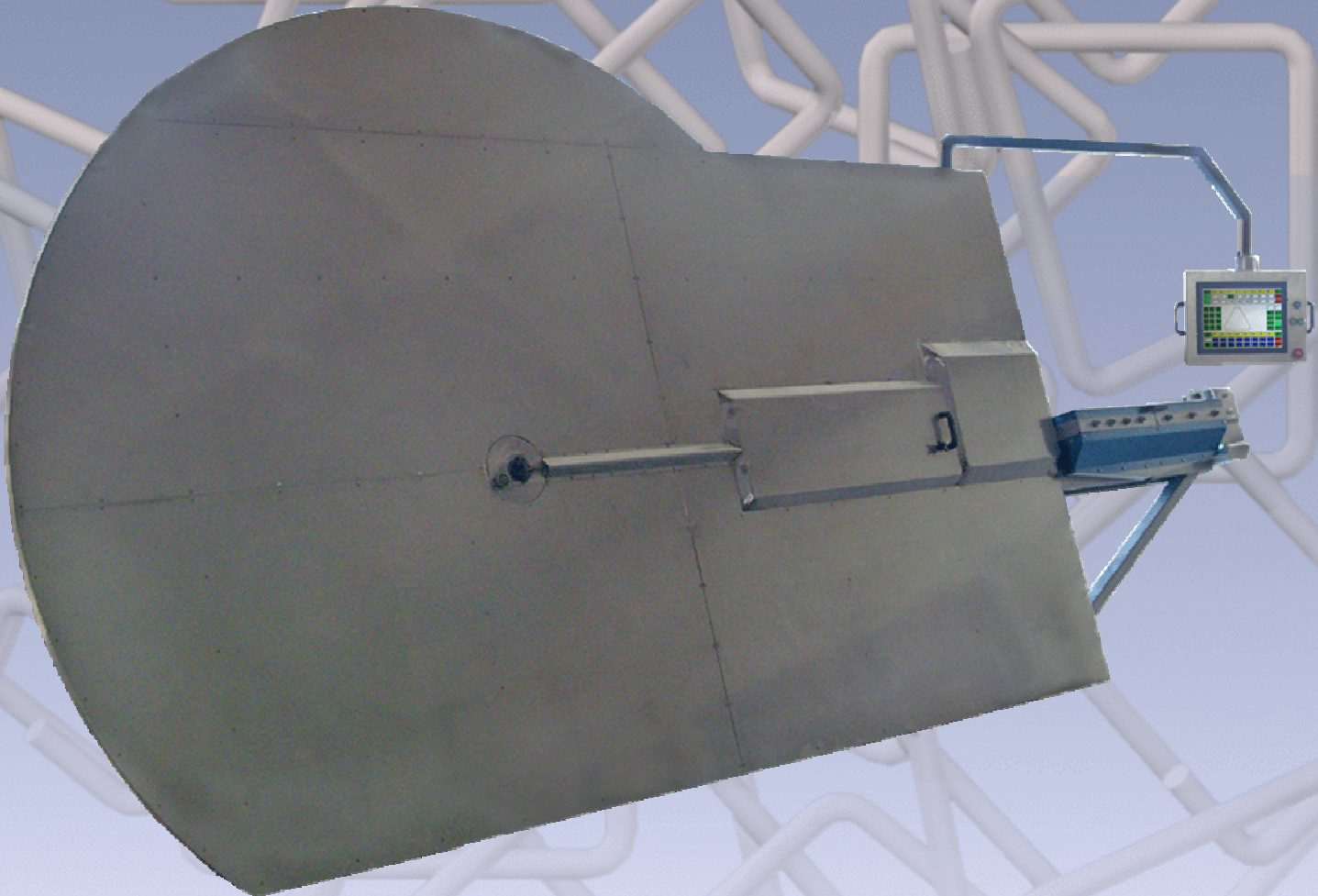
Technical Specification

Diameter of armature, mm	up to $\phi 10$
Speed of pulling, m/min, m/s	0 ÷ 1
Speed of bending, °/s	0 ÷ 300
Time to cut, sec	0,25
Number of input angles for one items	1 ÷ 100
Number of input lengths for one items	1 ÷ 100
Maximum bending length of the side, mm	900
Minimum first length, mm	50
Minimum last length, mm	50
Maximum positive bending angle, °	180
Maximum negative bending angle, °	180
Number of stirrup (length 1100 mm whit 5 bends), pcs/h	750
Length tolerance, mm	до ± 1
Angle tolerance, °	до ± 1
Number of the programs	200
Voltage, V	380
Power, kW	7,5
Weight, kg	2400
Dimension L x B x H, mm	2830 x 1370 x 2400

AUTOMATIC STIRRUP BENDING MACHINE

model:
KOMAND AB-N12

Automatic Stirrup Bender is designed for winding, straightening, bending and cutting of armature iron up to №12 mm.



Technical Specification

Diameter of armature, mm	up to №12
Speed of pulling, m/min, m/s	0 ÷ 1
Speed of bending, °/s	0 ÷ 300
Time to cut, sec	0,25
Number of input angles for one items	1 ÷ 100
Number of input lengths for one items	1 ÷ 100
Maximum bending length of the side, mm	1500
Minimum first length, mm	50
Minimum last length, mm	30
Maximum positive bending angle, °	180
Maximum negative bending angle, °	180
Number of stirrup (length 1100 mm whit 5 bends), pcs/h	765
Length tolerance, mm	до ±1
Angle tolerance, °	до ±1
Number of the programs	200
Voltage, V	380
Power, kW	7,5
Weight, kg	2400
Dimension L x B x H, mm	5010 x 1300 x 2420

STRAIGHTENING - CUTTING MACHINE up to $\phi 6$ – BG

The straightening-cutting machine is designed for winding, straightening and cutting of wire up to $\phi 6$, from a bunch with external diameter up to 1000 mm and weight up to 1000 kg.



Technical Specification

Diameter of armature, mm	$\phi 1,8 \div \phi 6$
External diameter of bunch, mm	< 1000
Internal diameter of bunch, mm	> 420
Speed of pulling, m/min	$7 \div 140$
Spins of the wheel, min^{-1}	$2340 \div 3430$
Time to cut, sec	0,025
Pulling capacity, N	720
Length of cutting, m	$0,1 \div 9$
Discrepancy in the length of cutting, mm	$\pm 0,5$
Number of cuts for one cycle	$1 \div 9999$
Power, kW	1,85
Voltage, V	380
Weight, kg.	
Straightening-cutting module	500
Frames	30
Unwinding device	150
Total	680
Measurements L x B x H, mm	
Straightening-cutting module	1230 x 860 x 1800
Frame	2000 x 400 x 1000
Unwinding device	3000 x 1600 x 1600

STRAIGHTENING - CUTTING MACHINE up to $\phi 6$ – RU

The straightening-cutting machine is designed for winding, straightening and cutting of wire up to $\phi 6$, from a bunch with external diameter up to 1200 mm and weight up to 2000 kg.



Technical Specification

Diameter of armature, mm	$\phi 1,8 \div \phi 6$
External diameter of bunch, mm	< 1200
Internal diameter of bunch, mm	> 100
Speed of pulling, m/min	70
Spins of the wheel, min^{-1}	2700
Time to cut, min	0,008
Pulling capacity, N	9730
Length of cutting, m	$0,1 \div 99$
Discrepancy in the length of cutting, mm	± 1
Number of cuts for one cycle	$1 \div 9999$
Power, kW	10,5
Voltage, V	380
Weight, kg.	
Straightening-cutting module	800
Frames	70
Unwinding device	170
Total	1040
Measurements L x B x H, mm	
Straightening-cutting module	1500 x 850 x 1700
Frame	2000 x 400 x 1100 – 1 6p. 2000 x 400 x 1100 – 3 6p.
Unwinding device	1700 x 1250 x 1500

STRAIGHTENING - CUTTING MACHINE up to $\phi 10$ (№10, №12)

The straightening-cutting machine is designed for winding, straightening and cutting of armature iron up to $\phi 10$ (№10, №12), from a bunch with external diameter up to 1550 mm and weight up to 2000 kg.



Technical Specification

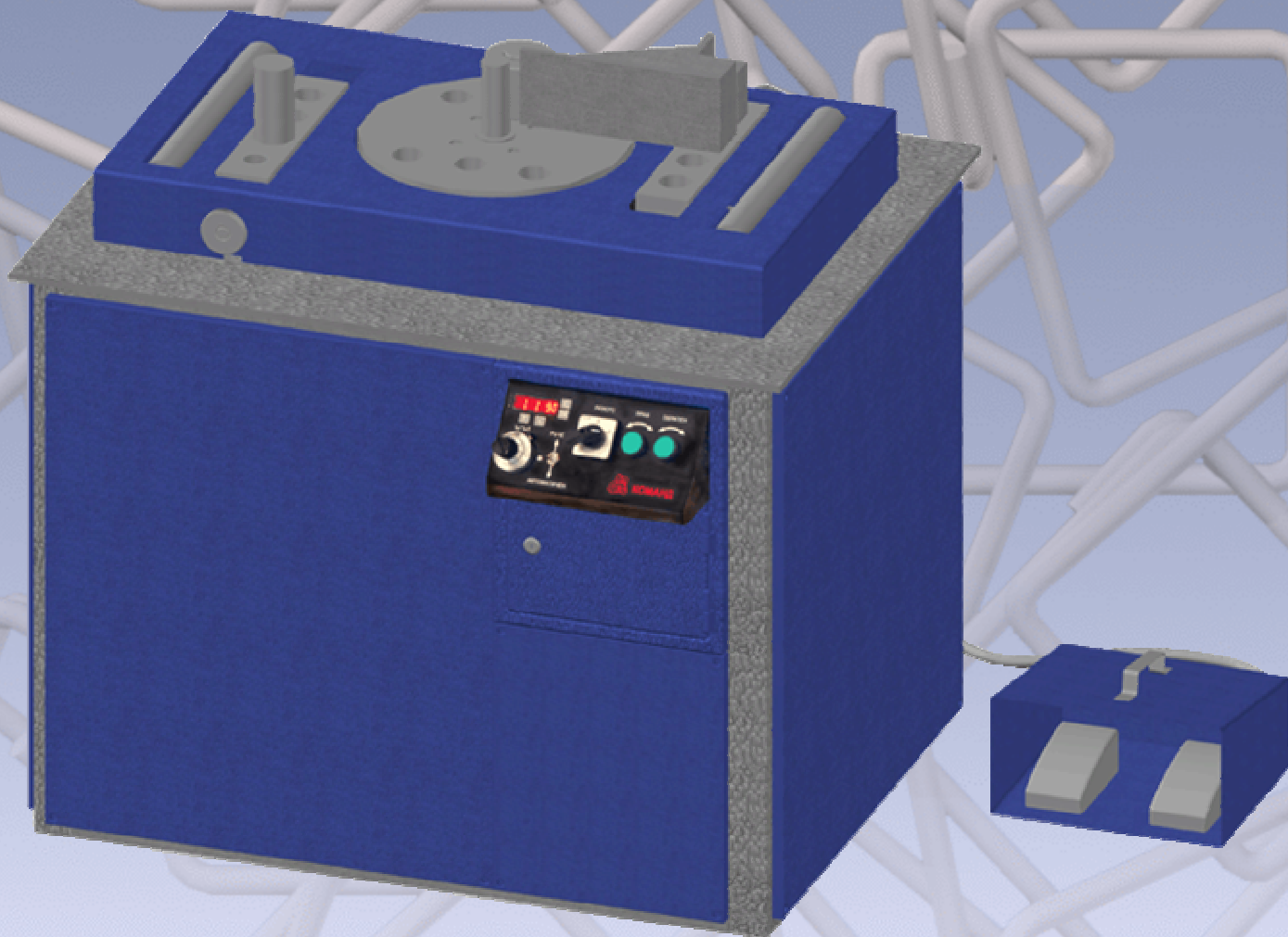
Diameter of armature, mm	$\phi 3 \div \phi 10$ ($\phi 12$)
External diameter of bunch, mm	< 1550
Internal diameter of bunch, mm	> 790
Speed of pulling, m/min	$46 \div 60$
Spins of the wheel, min^{-1}	1580
Time to cut, min	0,0025
Pulling capacity, N	9730
Length of cutting*, m	$0,1 \div 99$
Discrepancy in the length of cutting, mm	± 5
Number of cuts for one cycle	$1 \div 9999$
Power, kW	11
Voltage, V	380
Weight, kg.	
Straightening-cutting module	940
Frames	150
Unwinding device	340
Total	1430
Measurements L x B x H, mm	
Straightening-cutting module	1500 x 850 x 1700
Frames	2000 x 400 x 1000 – 1 бп. 2000 x 400 x 900 – 3 бп.
Unwinding device	1600 x 1600 x 2000

BENDING MACHINE

models:

KOMAND B-40MA and KOMAND B-46MA

The Bending Machine is designed for bending of armature and serial profile up to №40 (№46) mm.



Technical Specification

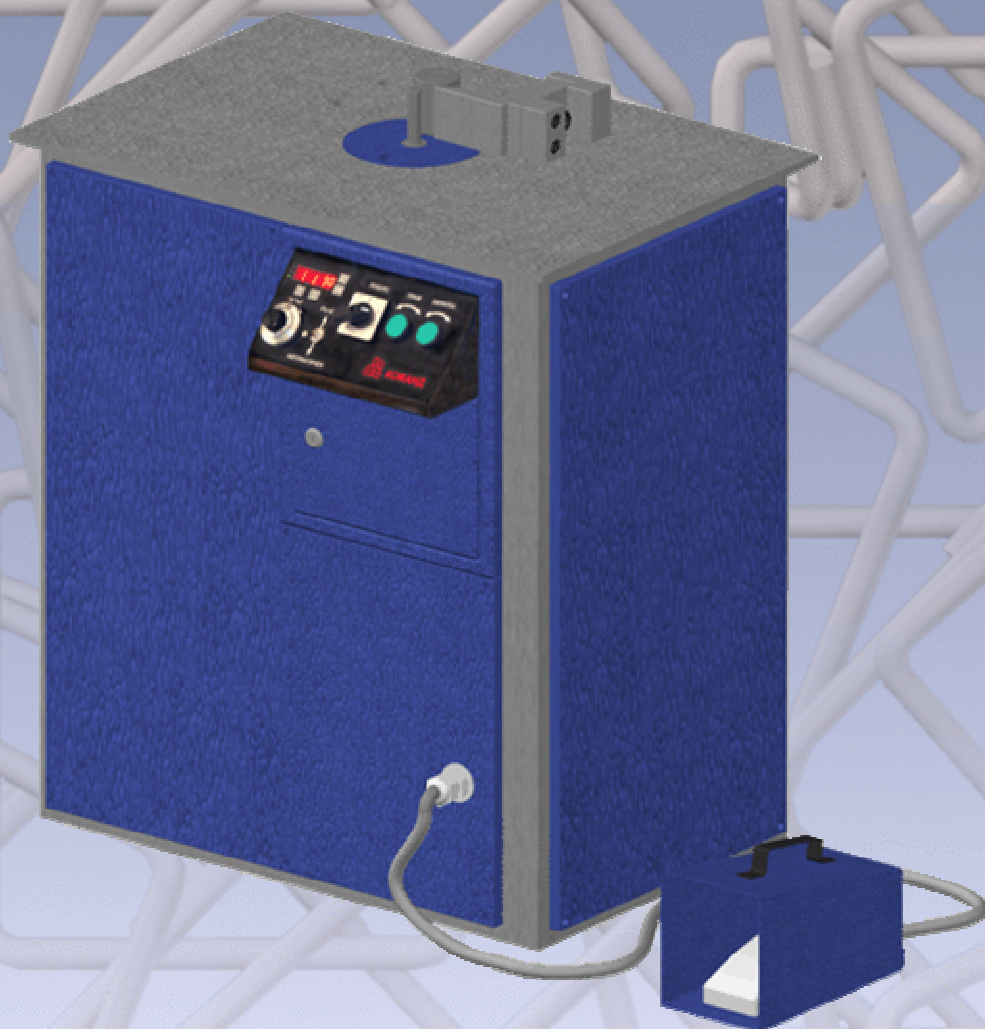
	Komand B-46MA	Komand B-40MA
Diameter of the bending item, mm	up to 46	up to 40
Spins of bending plate, min ⁻¹	11,5	
Time to turning of the bending plate of 90°, s	1,3	
Maximum angle of bending, °	180	
Power, kW	3	2,2
Voltage, V	380	
Weight , kg	460	430
Measurements – L x B x H, mm	1000 x 810 x 1010	

Diameter of bending armature №, mm	Komand B-46MA	46	28	24
	Komand B-40MA	40	25	44
Maximum quantity simultaneously bending items, pieces		1	2	3

BENDING MACHINE

model:
KOMAND B-22MA

The Bending Machine - Komand B-22MA is designed for bending of armature and serial profile up to №22 mm



Technical Specification

Diameter of the bending item, mm	up to №22
Spins of bending plate, min ⁻¹	17
Time to turning of the bending plate of 90°, s	0,88
Maximum angle of bending, °	180
Power, kW	1,5
Voltage, V	380
Weight , kg	143
Measurements – L x B x H, mm	750x600x870

Diameter of bending armature №, mm	22	14	12	10	8	6,5
Maximum quantity simultaneously bending items, pieces	1	2	3	4	7	9

BUTT-WELDING MACHINE

**model:
KOMAND FW-32**

Butt-welding machine is designed for butt-welding of armature from $\phi 6.5$ up to №32.



Technical Specification

Diameter of the welding armature, mm	$\phi 6.5 \div \text{№}32$
Speed of closure of the clamps, sec	1
Velocity pressure in the welding, cm/sec	7
Tightening force, N	up to 60000
Welding pressure, N	up to 40000
Voltage, V	380
Welding power, kVA	85
Secondary power, kW	1,5
Weight, kg	970
Dimension L x B x H, mm	1750 x 1000 x 1450