

International innovation!

joke presents the new generation for grinding, polishing, milling and deburring.

Handpieces & Motors
universally compatible
regardless of manufacturer

highest
clamping force
in the world

enhanced
handpieces

30 % more
efficiency

extremely
high true
running accuracy

ON/Off switch
at the motor

based
on IP 54

20 % higher
final speed

extremely
quiet running

100 %

Made in GERMANY



JO/KE

The new ENESKAmicro

The facts in a nutshell

- **reverse compatibility** with all handpieces & motors from the joke range
- can be combined **with all handpieces & motors from other manufacturers commonly available on the market**
- up to **60,000 rpm, 20 % more than before**
- **Touch** control on the high quality glass display combined with a rotary controller including a perceptible resistance
- already configured settings can be **memorised**

The newly developed handpiece generation guarantees

- **high torque** with 30% more output
- **less vibration**
- **no displacement of your milling cutters** even at 60,000 rpm, owing to 50% more clamping force
- processing of **concealed corners** by means of a newly developed XL axle
- **extremely clean, repeatable results** owing to particularly precise true running accuracy
- extremely **quiet running**





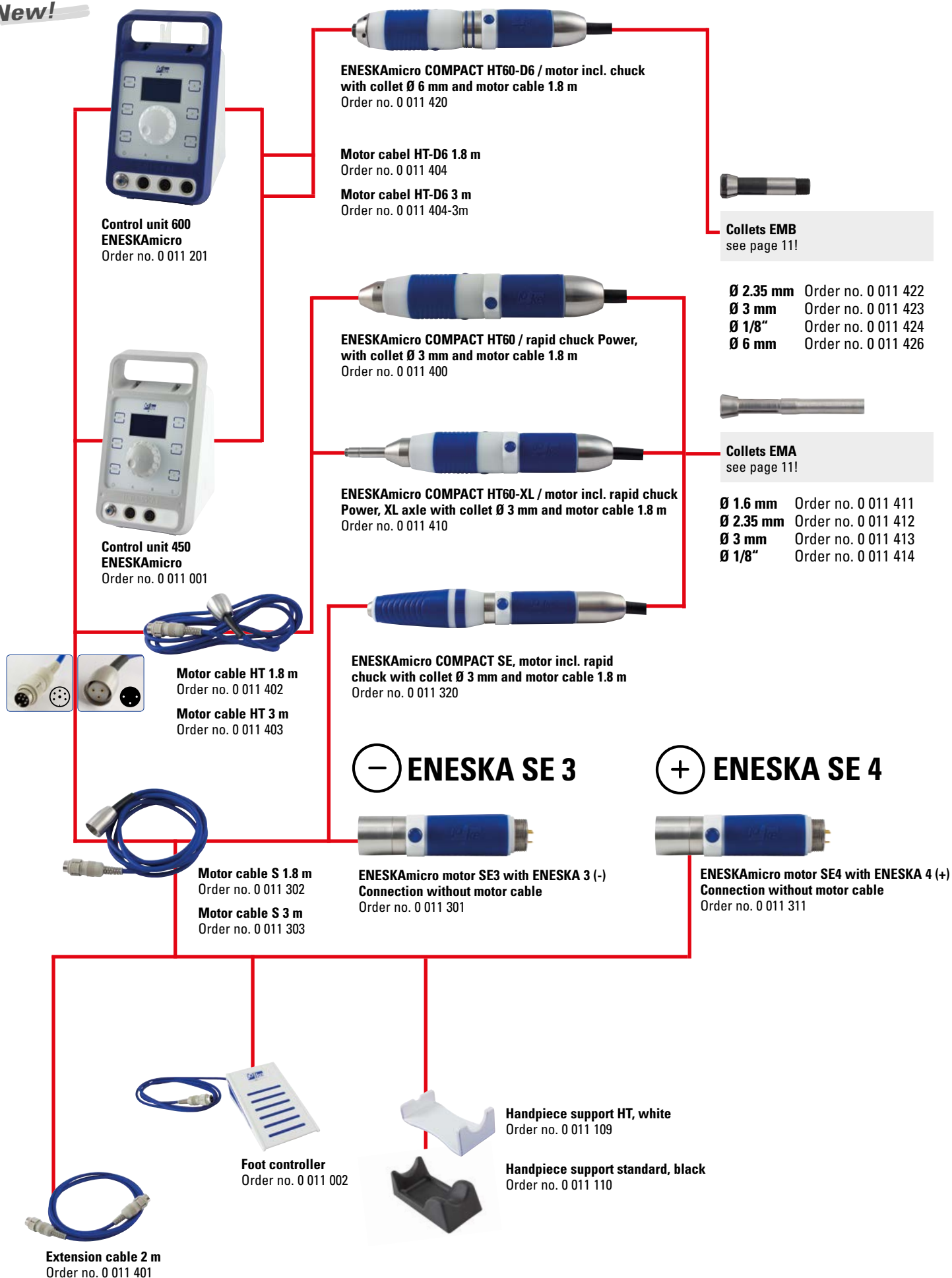
„One of our aims was to ensure that the handpieces and micromotors from the **widest range** of manufacturers could be controlled using the new devices. Development of a new handpiece generation based on specific **customer requirements** such as for example **a high speed, tremendous clamping force or also a longer axle** was a challenge! But now we have a result that can even compete with the compressed-air devices on the market“.

Jürgen Meyer,
Product Manager at joke



ENESKAmicro System overview

New!



ENESKAmicro System overview

New!

Compatible ENESKAmicro system

Our ENESKAmicro system is compatible with your ENESKA 3-2 or ENESKA 4-1.

All you need is a new motor cable and you can already continue to use your motors, handpieces and collets.

(i)

(+)

(-)

Handpieces have different linkages – many items need one of these connections!
If you have any questions, please contact us.



**Control unit 600
ENESKAmicro**
Order no. 0 011 201



**Control unit 450
ENESKAmicro**
Order no. 0 011 001

**All handpieces of the
ENESKA 3 series
see page 6!**



Micromotor JENK-410S
Order no. 0 007 505



Motor cable JENK-410S/EM 1.6 m
Order no. 0 011 502



Micromotor JENK-250T
Order no. 0 007 525



Motor cable JENK-250T/EM 1.6 m
Order no. 0 011 501



**All handpieces of the
ENESKA 4-1 series
see page 7!**



Brushless micromotor JBM 50 S
Order no. 0 008 803



Motor cable JBM 50 S/EM
Order no. 0 011 503



Brushless micromotor JBM 50 HT
Order no. 0 008 806



Motor cable JBM 50 HT/EM
Order no. 0 011 504



**Even the third-party motor „Marathon“
can be connected to the ENESKAmicro.**



Motor cable SDE-BH60/EM, 1.4 m
Order no. 0 011 505



Application examples

ENESKA 3-2 with ENESKAmicro

System overview



Handpieces have different linkages – all items on this page require this connection!



Rapid-chuck handpiece JIR 310
Order no. 0 007 515
Collets type CHH



Rapid-chuck handpiece JIH 300
Order no. 0 009 150
Collets type CHH



Handpiece JBMH 300 N
Order no. 0 009 350
Collets type CHM



Miniature angle handpiece JMFC 300 M
Order no. 0 009 511
Collets type K-253



Miniature angle handpiece JMFC 300 S
Order no. 0 009 512
Collets type K-252



Angle handpiece JKC 345
Order no. 0 009 200
Collets type CHC



Angle handpiece JIC 390
Order no. 0 009 250
Collets type CHC



Handpiece JHG 210
Order no. 0 007 650
Collets type CHG



**Hand-filing machine
DIPROFIL® FPT/NR, Mark II**
Order no. 0 005 203-N



Belt grinder JBS 100
Order no. 0 009 950



Hand-filing machine JFMM 3
Order no. 0 005 400



**Control unit 600
ENESKAmicro**
Order no. 0 011 201



**Control unit 450
ENESKAmicro**
Order no. 0 011 001



New!

Motor cable S 1,8 m
Order no. 0 011 302
Motor cable S 3 m
Order no. 0 011 303

New!



ENESKAmicro motor SE3 with ENESKA 3 (-)
Connection without motor cable
Order no. 0 011 301



Reducing gear JRG 01 4:1
Order no. 0 009 500



Extension element JCN 01 50 mm
Order no. 0 009 505



Micromotor JENK-410S
Order no. 0 007 505



Micromotor JENK-250T
Order no. 0 007 525



**Hand-filing machine
FMD/3-2/EM**
Order no. 0 011 550



New!

**Motor cable
JENK-410S/EM 1,6 m**
Order no. 0 011 502



New!

**Motor cable
JENK-250T/EM 1,6 m**
Order no. 0 011 501



DIPROFIL® mini hand-filing machines
FMR/N 5 Order no. 0 001 203
FMR/N 10 Order no. 0 001 214
FMR/N 15 Order no. 0 001 218



**DIPROFIL® transverse stroke handpiece
FMV/N •** Order no. 0 001 210



Mini hand-filing machine JN 38
Order no. 0 001 401



Handpieces have different linkages – all items on this page require this connection!

ENESKA 4-1 with the ENESKAmicro System overview



**Control unit 600
ENESKAmicro**
Order no. 0 011 201



**Control unit 450
ENESKAmicro**
Order no. 0 011 001



New!

Motor cable S 1,8 m

Order no. 0 011 302

Motor cable S 3 m

Order no. 0 011 303



New!



**ENESKAmicro motor SE4 with ENESKA 4 (+)
Connection without motor cable**
Order no. 0 011 311



New!

Motor cable JBM 50 S/EM
Order no. 0 011 503



Brushless micromotor JBM 50 S
Order no. 0 008 803



Motor cable JBM 50 HT/EM
Order no. 0 011 504



Brushless micromotor JBM 50 HT
Order no. 0 008 806

New!



Mini hand-filing machines DIPROFIL®

FMR/E 5 Order no. 0 001 207

FMR/E 10 Order no. 0 001 215

FMR/E 15 Order no. 0 001 209



**Transverse stroke handpiece
DIPROFIL® FMV/E • Order no. 0 001 212**



Reducing gear JERG 01 B
Order no. 0 009 806



**Adapter JECN 01 T
for all ENESKA 3-1 handpieces**
Order no. 0 009 807



Rapid-chuck handpiece JEHR 500
Order no. 0 008 810
Collets CHH



Handpiece type JEHR 400
Order no. 0 009 811
Collets CHG



Angle handpiece type JERA 270
Order no. 0 009 812
Collets CHS



Angle handpiece type JEKC 300
Order no. 0 009 813
Collets CHC



Angle handpiece WE4-45
Order no. 0 011 335
Collets CHC



Angle handpiece WE4-90
Order no. 0 011 330
Collets CHC



Angle handpiece JERA 270 S
Order no. 0 008 813
Collets GH



Mini hand-filing machine JN 48
Order no. 0 001 403



**Hand-filing machine
DIPROFIL® FPT/ER, Mark II**
Order no. 0 005 204-N



**Hand-filing machine
JFMM 4**
Order no. 0 005 300



Belt grinder JBS 400
Order no. 0 008 850

ENESKAmicro

The functions at a glance • Control unit

New!



ENESKAmicro 600 control unit	Order No.	Price
 • Infinitely variable speed control up to max. 60,000 rpm • Speed limited by potentiometer • Digital speed display • Connection for 2 motors BLDC and 1 AC motor • Motor recognition • "Speed Memory" button • Clockwise, anticlockwise running • Connection for foot control Weight 2.4 kg Dimensions (W x H x D) 135 x 235 x 200 mm Connection 90-240 V, 50-60 Hz	0 011 201	

ENESKAmicro 450 control unit	Order No.	Price
 • Infinitely variable speed control up to max. 45,000 rpm • Speed limited by potentiometer • Digital speed display • Connection for 2 motors BLDC • Motor recognition • "Speed Memory" button • Clockwise, anticlockwise running • Connection for foot control Weight 2.4 kg Dimensions (W x H x D) 135 x 235 x 200 mm Connection 90-240 V, 50-60 Hz	0 011 001	

ENESKAmicro Micromotors

New!

ENESKAmicro Motor SE3			Order No.	Price
  • Brushless DC motor BLDC • On-off switch located on the micromotor			incl. motor cable	0 011 300
			without motor cable	0 011 301
Motor speed		up to max. 50.000 rpm		
Output		7.8 N cm at 280 W		
Weight		0.245 kg, incl. motor cable		
Dimensions (D x L)		Ø 24 x 115 mm		

ENESKAmicro Motor SE4			Order No.	Price
  • Brushless DC motor BLDC • On-off switch located on the micromotor			incl. motor cable	0 011 310
			without motor cable	0 011 311
Motor speed		up to max. 50.000 rpm		
Output		7.8 N cm at 280 W		
Weight		0.245 kg, incl. motor cable		
Dimensions (D x L)		Ø 24 x 115 mm		

ENESKAmicro COMPACT SE, motor incl. rapid chuck			Order No.	Price
 - with collet Ø 3 mm and motor cable 1.8 m • Brushless DC motor BLDC • On-off switch located on the micromotor				0 011 320
Motor speed		up to max. 50.000 rpm		
Output		7.8 N cm at 280 W		
Weight		0.365 kg		
Dimensions (D x L)		Ø 30 x 170 mm		
Concentricity		< +/- 0.01 mm		
Collet type		EMA		



suitable cable

Order No. Price

ENESKAmicro motor cable S, 1.8 m
0 011 302

for connecting the micromotors SE to the ENESKAmicro control units

ENESKAmicro motor cable S, 3.0 m
0 011 303

for connecting the micromotors SE to the ENESKAmicro control units



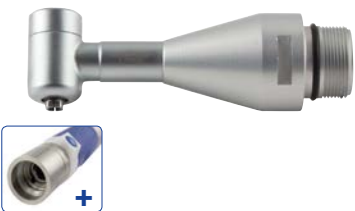
New!

ENESKAmicro handpieces

for connection to the micromotors of the systems ENESKAmicro and ENESKA 4 series

New!

ENESKAmicro angle handpiece WE4-45			Order No.	Price
	Collet	type CHC (Ø 3 mm in scope of delivery)	0 011 335	
	max. speed	30,000 rpm, same direction of rotation		
	Concentricity	< +/- 0.01 mm		
	Dimensions	Ø 22 x 62 mm (without thread)		
	Weight	65 g		

ENESKAmicro angle handpiece WE4-90			Order No.	Price
	Collet	type CHC (Ø 3 mm in scope of delivery)	0 011 330	
	max. speed	30,000 rpm, reversal of direction of rotation		
	Concentricity	< +/- 0.01 mm		
	Dimensions	Ø 22 x 62 mm (without thread)		
	Weight	65 g		

ENESKAmicro Collets

Collets ENESKAmicro	Type	for handpiece	Dimensions	Order No.	Price
	CHC	JKC 345, JIC 390, WE4-45, WE4-90	Ø 1.6 mm	0 009 207	
		JKC 345, JIC 390, WE4-45, WE4-90	Ø 2.35 mm	0 009 202	
		JKC 345, JIC 390, WE4-45, WE4-90	Ø 3 mm	0 009 201	
	EMA	COMPACT SE, COMPACT HT60, COMPACT HT60-XL	Ø 1.6 mm	0 011 411	
		COMPACT SE, COMPACT HT60, COMPACT HT60-XL	Ø 2.35 mm	0 011 412	
		COMPACT SE, COMPACT HT60, COMPACT HT60-XL	Ø 3 mm	0 011 413	
		COMPACT SE, COMPACT HT60, COMPACT HT60-XL	Ø 1/8 "	0 011 414	
	EMB	COMPACT HT60-D6	Ø 2.35 mm	0 011 422	
		COMPACT HT60-D6	Ø 3 mm	0 011 423	
		COMPACT HT60-D6	Ø 6 mm	0 011 426	
		COMPACT HT60-D6	Ø 1/8 "	0 011 424	

ENESKAmicro 600

Complete sets • Accessories

New!

ENESKAmicro 600 set 2.1		Order No.	Price
	The set contains the following components:	0 011 200	
	1 x ENESKAmicro 600 control unit (order no. 0 011 201) 1 x ENESKAmicro motor SE3 with ENESKA 3 (-) connection (order no. 0 011 301) 1 x ENESKAmicro motor cable S, 1.8 m (order no. 0 011 302) 1 x ENESKAmicro handpiece support HT, white (order no. 0 011 109)		
ENESKAmicro 600 set 2.2		Order No.	Price
	The set contains the following components:	0 011 205	
	1 x ENESKAmicro 600 control unit (order no. 0 011 201) 1 x ENESKAmicro motor SE3 with ENESKA 3 (-) connection (order no. 0 011 301) 1 x ENESKAmicro motor cable S, 1.8 m (order no. 0 011 302) 1 x ENESKA rapid-chuck handpiece JIR 310 (order no. 0 007 515) 1 x ENESKAmicro handpiece support HT, white (order no. 0 011 109)		
ENESKAmicro 600 set 2.3		Order No.	Price
	The set contains the following components:	0 011 210	
	1 x ENESKAmicro 600 control unit (order no. 0 011 201) 1 x ENESKAmicro motor SE4 with ENESKA 4 (+) connection (order no. 0 011 311) 1 x ENESKAmicro motor cable S, 1.8 m (order no. 0 011 302) 1 x ENESKAmicro handpiece support HT, white (order no. 0 011 109)		
ENESKAmicro 600 set 2.4		Order No.	Price
	The set contains the following components:	0 011 215	
	1 x ENESKAmicro 600 control unit (order no. 0 011 201) 1 x ENESKAmicro motor SE4 with ENESKA 4 (+) connection (order no. 0 011 311) 1 x ENESKAmicro motor cable S, 1.8 m (order no. 0 011 302) 1 x ENESKA rapid-chuck handpiece JEHR 500 (order no. 0 008 810) 1 x ENESKAmicro handpiece support HT, white (order no. 0011109)		
ENESKAmicro 600 set 2.5		Order No.	Price
	The set contains the following components:	0 011 220	
	1 x ENESKAmicro 600 control unit (order no. 0 011 201) 1 x ENESKAmicro motor HT60/rapid chuck Power (order no. 0 011 400) 1 x ENESKAmicro motor cable HT, 1.8 m (order no. 0 011 302) 1 x ENESKAmicro collet type EMA, Ø 3.0 mm (order no. 0 011 413) 1 x ENESKAmicro handpiece support HT, white (order no. 0 011 109)		
ENESKAmicro 600 set 2.6		Order No.	Price
	The set contains the following components:	0 011 230	
	1 x ENESKAmicro 600 control unit (order no. 0 011 201) 1 x ENESKAmicro motor HT60/rapid chuck Power, XL axle (order no. 0 011 410) 1 x ENESKAmicro motor cable HT, 1.8 m (order no. 0 011 302) 1 x ENESKAmicro collet type EMA, Ø 3.0 mm (order no. 0 011 413) 1 x ENESKAmicro handpiece support HT, white (order no. 0 011 109)		

ENESKAmicro 450

Complete sets

New!

ENESKAmicro 450 set 1.1		Order No.	Price
 The set contains the following components: 1 x ENESKAmicro 450 control unit (order no. 0 011 001) 1 x ENESKAmicro motor SE3 with ENESKA 3 (-) connection (order no. 0 011 301) 1 x ENESKAmicro motor cable S, 1.8 m (order no. 0 011 302)		0 011 000	
ENESKAmicro 450 set 1.2		Order No.	Price
 The set contains the following components: 1 x ENESKAmicro 450 control unit (order no. 0 011 001) 1 x ENESKAmicro motor SE3 with ENESKA 3 (-) connection (order no. 0 011 301) 1 x ENESKAmicro motor cable S, 1.8 m (order no. 0 011 302) 1 x ENESKA rapid-chuck handpiece JIR 310 (order no. 0 007 515)		0 011 005	
ENESKAmicro 450 set 1.3		Order No.	Price
 The set contains the following components: 1 x ENESKAmicro 450 control unit (order no. 0 011 001) 1 x ENESKAmicro motor SE4 with ENESKA 4 (+) connection (order no. 0 011 311) 1 x ENESKAmicro motor cable S, 1.8 m (order no. 0 011 302)		0 011 010	
ENESKAmicro 450 set 1.4		Order No.	Price
 The set contains the following components: 1 x ENESKAmicro 450 control unit (order no. 0 011 001) 1 x ENESKAmicro motor SE4 with ENESKA 4 (+) connection (order no. 0 011 311) 1 x ENESKAmicro motor cable S, 1.8 m (order no. 0011302) 1 x ENESKA rapid-chuck handpiece JEHR 500 (order no. 0 008 810)		0 011 015	

ENESKAmicro suitable adapters and cables

New!



suitable adapter

Adapter ENESKA 3-1 motor cable

Adapter for connecting the ENESKA 3-1 motor cables to
ENESKAmicro / joke 226 / Urawa / Diprofil / Gesswein control units

Order No.	Price
0006203-1	



suitable cable

ENESKAmicro motor cable JENK-250T/EM, 1.6 m

for connecting the micromotors JENK-250T to the
ENESKAmicro control units

Order No.	Price
0 011 501	

ENESKAmicro motor cable JENK-410S/EM, 1.6 m

for connecting the micromotors JENK-410S to the
ENESKAmicro control units

Order No.	Price
0 011 502	



suitable cable

ENESKAmicro motor cable JBM 50 S/EM, 1.5 m

for connecting the micromotors JBM 50 S to the
ENESKAmicro control units

Order No.	Price
0 011 503	

ENESKAmicro motor cable JBM 50 HT/EM, 1.5 m

for connecting the micromotors JBM 50 HT to the
ENESKAmicro control units

Order No.	Price
0 011 504	



suitable cable

ENESKAmicro motor cable SDE-BH60/EM, 1.4 m

for connecting the micromotors SDE-BH60 to the
ENESKAmicro control units

Order No.	Price
0 011 505	

ENESKAmicro Accessories *New!*

Accessories for the ENESKAmicro system	Order No.	Price
 ENESKAmicro foot controller for comfortable control by foot (start/stop, speed adjustment), cable length 2 m	0 011 002	
 ENESKAmicro handpiece support HT, white	0 011 109	
 ENESKAmicro handpiece support standard, black	0 011 110	
 ENESKAmicro extension cable, 2 m suitable for all motor cables of the ENESKAmicro series	0 011 401	





Brilliant solutions for perfect surfaces

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