

Table micromotors NAKANISHI Emax EVOLution



Speed 1'000...40'000 RPM.

MSA	Voltage	Size	Kg
20.362	230 V / 50-60 Hz	130 x 254 x 97 mm	2.300

Table micromotor set NAKANISHI Emax EVOLution improved with the last technologies.

- Digital display on the centre roller
- Variator with speed memory possibility
- Maximum torque 4.3 cN-m
- Start switch can be made on the control unit or directly on the micromotor
- Clockwise and anticlockwise rotation
- A second motor can be connected at the control unit with a A/B selector (cannot be used simultaneously).

Delivered with :

- 1 control unit MSA20.364
- 1 motor MSA20.362-M1
- 1 handpiece MSA20.360-P2
- 1 chuck Ø 2.35 mm MSA20.360-C235
- 1 chuck Ø 3.00 mm MSA20.360-C300
- 1 stand MSA20.360-S
- 1 set of flat and pun wrench keys for locking/unlocking chucks
- 1 power supply cord.



Speed 1'000...25'000 RPM.

MSA	Voltage	Size	Kg
20.365	230 V / 50-60 Hz	130 x 254 x 97 mm	2.300

Table torque micromotor set NAKANISHI Emax EVOLution improved with the last technologies.

- Digital display on the centre roller
- Variator with speed memory possibility
- Maximum torque 4.8 cN-m
- Start switch can be made on the control unit or directly on the micromotor
- Clockwise and anticlockwise rotation
- A second motor can be connected at the control unit with a A/B selector (cannot be used simultaneously).

Delivered with :

- 1 control unit
- 1 motor ENK-250T
- 1 handpiece MSA20.360-P2
- 1 chuck Ø 2.35 mm MSA20.360-C235
- 1 chuck Ø 3.00 mm MSA20.360-C300
- 1 stand MSA20.360-S
- 1 set of flat and pun wrench keys for locking/unlocking chucks
- 1 power supply cord.



MSA	Kg
20.362-F	0.543

ON/OFF foot and speed control pedal for micromotor MSA20.362 and MSA20.365.



Speed 1'000~40'000 RPM.

MSA	Power	Size	Kg
20.362-M1	73 W	Ø 24.50 x 97 mm	0.090

Motor for MSA20.362. Maximum Torque 4.3 cN-m.
Excellent combination of high speed, lightweight, small diameter and high torque.
This lightweight and compact general-use type is perfect for precision work.
Delivered with a 1.5 m power supply cord.



Maximum speed 40'000 RPM.

MSA	Size	Kg
20.360-P1	Ø 14 x 60 mm	0.062

Handpiece with a side lever for fast chuck tightening for micromotor MSA20.362.
Delivered with tightening keys and 2 chucks : 1x MSA20.360-C235 (Ø 2.35 mm) and 1x MSA20.360-C300 (Ø 3.00 mm).



Maximum speed 40'000 RPM.

MSA	Size	Kg
20.360-P2	Ø 13 x 64 mm	0.092

Handpiece with a side lever for fast chuck tightening for micromotor MSA20.362.
Delivered with tightening keys and 2 chucks : 1x MSA20.360-C235 (Ø 2.35 mm) and 1x MSA20.360-C300 (Ø 3.00 mm).



Optional adaptable chucks for MSA20.360-P1 and MSA20.360-P2 (other diameters available upon request) :

MSA	Item	Kg
20.360-C100	Optional adaptable chuck, length 33.90 mm, Ø 1.00 mm	0.005
20.360-C150	Optional adaptable chuck, length 33.90 mm, Ø 1.50 mm	0.005
20.360-C160	Optional adaptable chuck, length 33.90 mm, Ø 1.60 mm	0.005
20.360-C200	Optional adaptable chuck, length 33.90 mm, Ø 2.00 mm	0.005
20.360-C235	Optional adaptable chuck, length 33.90 mm, Ø 2.00 mm	0.005
20.360-C300	Optional adaptable chuck, length 33.90 mm, Ø 3.00 mm	0.005
20.360-C300	Optional adaptable chuck, length 33.90 mm, Ø 3.00 mm	0.005



Maximum speed 16'000 RPM.

MSA	Size	Kg
20.367	Ø 14 x 93 mm	0.095

Riveting-setting hammer for micromotor MSA20.362.

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Maximum speed 35'000 RPM.



MSA	Size	Kg
20.360-P4	Ø 20.20 x 57.30 mm	0.045

Contra-angle handpiece for micromotor MSA20.362.

Delivered with tightening keys and 1 chuck MSA20.360-C300 (Ø 3.00 mm).
A set of standard accessories is also included (3 rubber micro-disks and 3 abrasive disks in different diameters).

Optional adaptable chucks (other diameters available upon request) :

MSA	Item	Kg
20.360-160	Optional adaptable chuck, length 17.20 mm, Ø 1.60 mm	0.080
20.360-235	Optional adaptable chuck, length 17.20 mm, Ø 2.35 mm	0.080

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Maximum speed 25'000 RPM.

MSA	Size	Kg
20.360-P5	Ø 20 x 105 mm	0.235

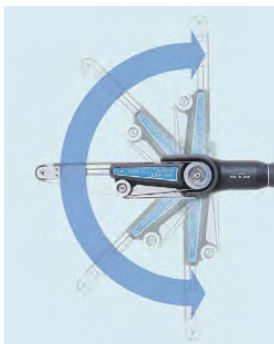
Handpiece for micromotor MSA20.362. Reciprocating motion, stroke range 0.8 mm.

Delivered with 1 tightening key, 1 spring holder, 1 ceramic fiber grindstone holder, 1 electroplated diamond file 1.2 x 4 x 50 mm (# 100) and 1 ceramic fiber grindstone 1 x 6 x 50 mm (# 1200).

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Belt runs approx. 0~705 metres/minute



MSA	Size	Kg
20.368	200 x 35 x 49 mm	0.576

Belt sander for micromotors.

- Very high belt speed, ideal for applications from deburring to finishing
- Belt runs approx. 0~825 m/minute, circumference 300 mm
- Lightweight, compact, minimal vibration and a small diameter grip design keep the hand free from fatigue for long, continuous operation
- The angle of the belt section is fully adjustable
- Exchanging the belt is simply done by lever release.

Belts included in the delivery (2 pieces of each reference) :

MSA	Item
20.368-4/120	Belt 4 mm, grain 120
20.368-4/240	Belt 4 mm, grain 240
20.368-4/400	Belt 4 mm, grain 400
20.368-6/120	Belt 6 mm, grain 120
20.368-6/240	Belt 6 mm, grain 240
20.368-6/400	Belt 6 mm, grain 400
20.368-8/120	Belt 8 mm, grain 120
20.368-8/240	Belt 8 mm, grain 240
20.368-8/400	Belt 8 mm, grain 400

Accessory belts (other grains are available) :

MSA	Item
20.368-8/600	Belt 8 mm, grain 600
20.368-8/800	Belt 8 mm, grain 800