

Metal working

A generous lineup for a variety of materials and application needs

*For details, see the product pages. Dedicated parts Standard parts

Cutting

K-280 MILLING MACHINE

▶ For details, see page 53



Cutting



K-280-3 / 4 / 5 / 6 MILLING CUTTER
▶ For details, see page 53

K-108 HAND GRINDER

▶ For details, see page 53



K-107-1 / 2 / 3 / 4 CUTTER TIPS
▶ For details, see page 53

Drilling



K-26 VISE
▶ For details, see page 55



Drilling work



K-16 DESK DRILL PRESS
▶ For details, see page 54



K-53 V-BLOCK
▶ For details, see page 55

K-5 / 493 / 494 / 495 DRILL BIT SET



K-495 K-5 K-494 K-493
▶ For details, see page 55

K-21 DESK DRILL PRESS

▶ For details, see page 54



K-50 XY-TABLE
▶ For details, see page 55



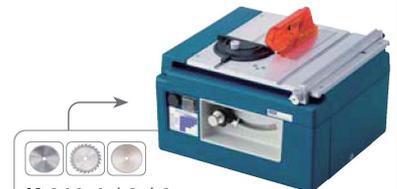
K-24 VISE
▶ For details, see page 55



Cutting

K-210 CIRCULAR SAW

▶ For details, see page 56



K-210-1 / 2 / 3 DISK CUTTERS

▶ For details, see page 56



K-110-1 / 2 REPLACEMENT BLADES

▶ For details, see page 56



Compact PCB cutter

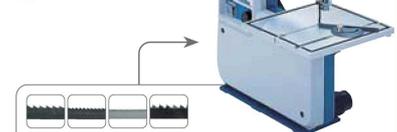
K-110 CIRCULAR SAW

▶ For details, see page 56

Compact band saws

K-100 BAND SAW

▶ For details, see page 57



K-100-1 / 2 / 3 / 4 DISK CUTTERS

▶ For details, see page 57

K-280 MILLING MACHINE



100 V

Compact milling & Drilling machine

■ Accessories: Drill chuck, clamp (blades are sold separately)

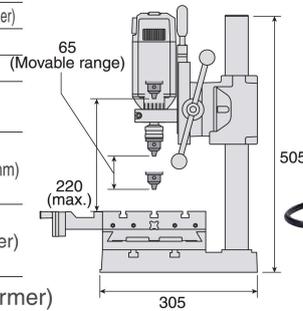
Rotation speed	1200 to 6000 rpm
Spindle axial play	0.05mm (not including chuck)
Chucking dia.	For end-milling dedicated 6 mmφ *1 For drilling 1.0 mm to 10.0 mmφ
Rated voltage	39 VAC (with accessory 100 VAC dedicated transformer)
Power consumption	200 W
Rated time	30 minutes
External dimensions	350 (W) × 505 (H) × 420 (D) mm (base) 200 (W) × 200 (D) mm
Sliding	Base right / left 140 mm Front / back 110 mm (front 70 mm, back 40 mm) Drill stand up / down 65 mm
Weight	5.9 kg (drill stand) + 3.7 kg (table) + 1.9 kg (motor) + 2.5 kg (transformer) Total weight: approx. 14 kg.



Drilling by attaching the accessory drill chuck.
* The drill bit is sold separately.



Milling by attaching a milling cutter
* The milling cutter is sold separately.



■ Power cable: 1.7m (from plug to transformer)

*1 Blades with diameters exceeding 6 mm cannot be used.

Note Continuous operation which exceeds 30 min. can cause a motor failure, etc. Even on & off at 1 to 2 minute intervals is considered continuous.

Optional items

K-280-3 / 4 / 5 / 6 MILLING CUTTERS



Part No.	Size mm	Blade length mm	OAL mm	Blade diameter mmφ
K-280-3	3	10	55	6
K-280-4	4	12	60	
K-280-5	5	15		
K-280-6	6			

■ Material: Cobalt

■ Blade type: Square (double blade)



K-53 V-BLOCK



*For details, see page 55



K-26 VISE

*For details, see page 55



K-5 / 493 / 494 / 495 DRILL BIT SET

*For details, see page 55



K-108 HAND GRINDER

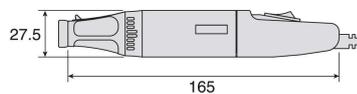
100 V

■ Application: PCB pattern cutting, resistive film removal.

■ Accessories: Dedicated case, cutter tip (K-107-1), cuttings removal brush, replacement cutter tip case.

Rotation speed	13000rpm
Standard tip	K-107-1(0.8 mmφ)
Rated voltage / frequency	100 VAC 50 / 60 Hz
Power consumption	25 W
Rated time	15 minutes
Grip outer dia.	15 mmφ (at smallest part)
Weight	120 g (not including cable & bit)

■ Power cable: 1.5m



Pattern cutting



Resist film removal



With dedicated case

The rotation speed can be adjusted with the H-17 power controller.

Note Continuous operation which exceeds 15 min. can cause a motor failure, etc. Even on & off at 1 to 2 minute intervals is considered continuous.

*For details, see page 108

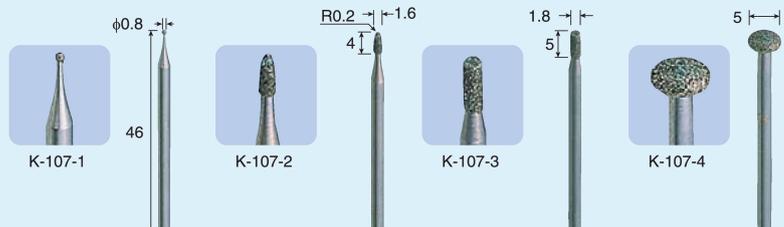
Replacement parts

K-107-1 / 2 / 3 / 4 CUTTER TIPS



- For K-108 / 107.
- Diamond grid: #120
- Blade diameter: 2.35 mmφ

Part No.	Blade diameter mmφ
K-107-1	0.8
K-107-2	1.0
K-107-3	1.8
K-107-4	5.0



Cutters & Pliers

Wire strippers

Crimpers

Tweezers

Screwdrivers & Wrenches

Metal working

Parts boxes

Tool cases

Tool kits

Soldering irons & Solder

Parts & Solder removal equipment

Measuring instruments

Optical equipment

Antistatic products

Clean products

Chemical products

Maintenance & Safety products

Milling machine

Pattern cutters

Desk drill presses

Circular saws

PCB cutter

Band saw

Sheet metal bender

Drilling tools

Polishing pads

Pipe cutter

Files

Sand blaster