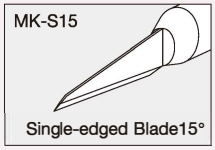
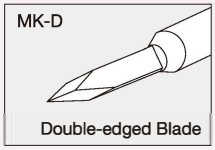
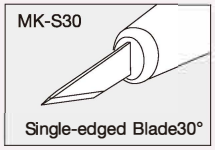
Micro Knife(SUS) Knife tools

Manual AP QP SS







Extraction of a 20-micrometer foreign substance

Size	Quality	Part number
Single-edged Blade15°	5	MK-S15
Single-edged Blade30°	5	MK-S30
Double-edged Blade	5	MK-D

Manual handle
MKH-2

Handle for manipulator
MKH

Lineup

- Single or double knife edges

Application

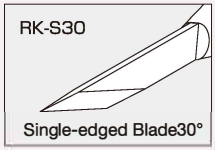
- Cutting, disconnecting, rubbing, engraving, picking up, peeling and trimming

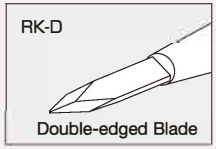
Notes for choosing tools

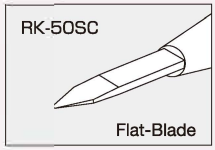
- When there is a need to use blade vertically, choose single-edged blade
- For engraving materials such as resin, choose double-edged blade

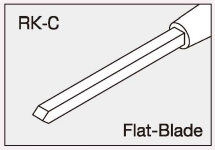
Ruby Knife Knife tools

Manual AP QP SS

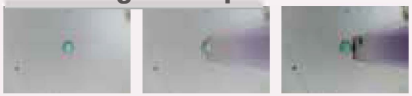








Extracting a protruding micro target of 30µm



Size	Quantity	Part number
Single-edged Blade30°	1	RK-S30
Double-edged Blade	1	RK-D
Flat-Blade	1	RK-50SC
Flat-Blade 500µm	1	RK-C

Handle for manipulator
TPH-20

Lineup

- Designed knife edges
- Flat-head screw driver shaped

Application

- Cutting, disconnecting, rubbing, engraving, picking up and peeling

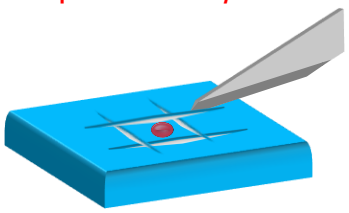
Notes for choosing tools

- When there is a need to use blade vertically, choose single-edged blade
- For engraving materials such as resin, choose double-edged blade
- Sample is visible through tool.

Micro tools（for cutting）

- Cutting
- Incision

Sample size : ≥50 μm

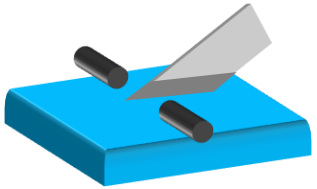


Single edged 15°

Item no./Name	**MK-S15** Micro Knife
Shape	Knife（Stainless steel）
Utilization	Cutting, Disconnecting(resin), Excision *micromanipulator or handheld
Quantity	5pcs/package

- Cutting
- Incision

Sample size : ≥50 μm

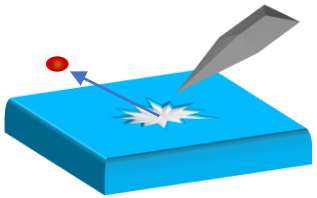


Single edged 30°

Item no./Name	**MK-S30** Micro Knife
Shape	Knife（Stainless steel）
Utilization	Cutting, Disconnecting(resin), Excision *micromanipulator or handheld
Quantity	5pcs/package

- Incision
- Excavation

Sample size : ≥50 μm

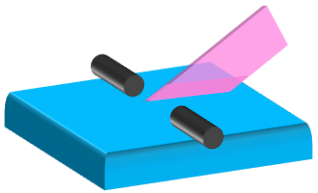


Double edged

Item no./Name	**MK-D** Micro Knife
Shape	Knife（Stainless steel）
Utilization	Cutting, Disconnecting(resin), Engraving *micromanipulator or handheld
Quantity	5pcs/package

- Cutting
- Incision

Sample size : ≥50 μm

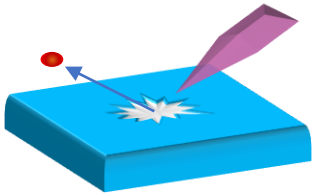


Single edged 30°

Item no./Name	**RK-S30** Ruby knife
Shape	Knife（Ruby）
Utilization	Cutting, Excision, Disconnecting(rubber, urethane) *micromanipulator or handheld
Quantity	1pc

- Cutting
- Incision

Sample size : ≥50 μm



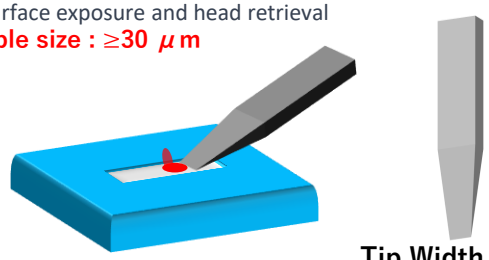
Double edged

Item no./Name	**RK-D** Ruby knife
Shape	Knife（Ruby）
Utilization	Cutting, Excision, Disconnecting(rubber, urethane) *micromanipulator or handheld
Quantity	1pc

Micro tools（for shaving/milling)

- Surface cutting of buried objects
- Surface exposure and head retrieval

Sample size : ≥30 μm

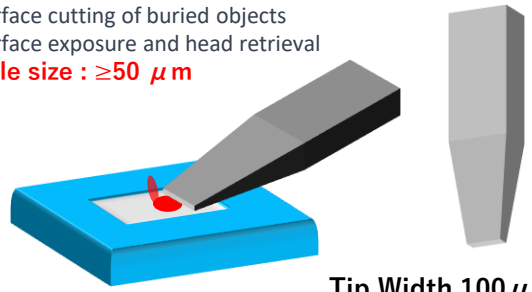


Tip Width 50μm

Item no./Name	**MPE-1** Micro Peeler
Shape	Flat-head screwdriver (Tungsten carbide)
Utilization	Plane cutting, Cutting to exact part of a buried foreign substance near the surface（resin or other materials) *micromanipulator required
Quantity	3pcs/package

- Surface cutting of buried objects
- Surface exposure and head retrieval

Sample size : ≥50 μm

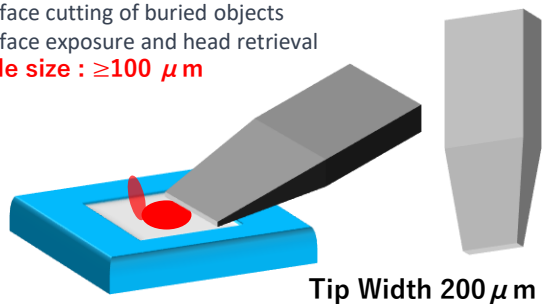


Tip Width 100μm

Item no./Name	**MPE-2** Micro Peeler
Shape	Flat-head screwdriver (Tungsten carbide)
Utilization	Plane cutting, Cutting to exact part of a buried foreign substance near the surface（resin or other materials) *micromanipulator required
Quantity	3pcs/package

- Surface cutting of buried objects
- Surface exposure and head retrieval

Sample size : ≥100 μm

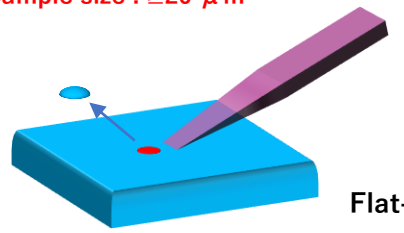


Tip Width 200μm

Item no./Name	**MPE-4** Micro Peeler
Shape	Flat-head screwdriver (Tungsten carbide)
Utilization	Plane cutting, Cutting to exact part of a buried foreign substance near the surface（resin or other materials) *micromanipulator required
Quantity	3pcs/package

- Removal of micro-protrusions
- Surface exposure and head retrieval

Sample size : ≥20 μm

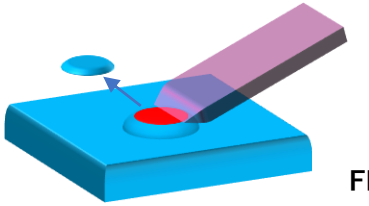


Flat-blade 50μm

Item no./Name	**RK-50SC** Ruby Knife
Shape	Flat-head screwdriver (Ruby)
Utilization	Shaving off surface material, Extracting a protruding resin *micromanipulator required
Quantity	1pc

- Protrusion Removal
- Surface exposure and head retrieval

Sample size : ≥100 μm



Flat-blade 500μm

Item no./Name	**RK-C** Ruby Knife
Shape	Flat-head screwdriver (Ruby)
Utilization	Shaving off surface material, exposing a fish-eye defect, Extracting a protruding target *micromanipulator or handheld
Quantity	1pc

Exclusive handles for each tool

Tool	Item no.
Tungsten probe	TP-0002 TP-0005 TP-001 TP-005 TP-010 TP-030
Tungsten carbide tool	MPE-1 MPE-2 MPE-4 CP-005 KE-1 KE-2
Flex probe	FP-1

Type	Item no.
Handle for manipulator	TPH-10
Handle for handheld operation	TPH-3

Tool	Item no.
Micro knife	MK-S15 MK-S30 MK-D

Type	Item no.
Handle for manipulator	MKH
Handle for handheld operation	MKH-2

Tool	Item no.
Ruby knife	RK-S30 RK-D RK-50SC RK-C

Type	Item no.
Handle for manipulator	TPH-20

Tool	Item no.
Micro pipette	MP-001 MP-005 MP-010 MP-020
Sampling probe	MST-002 MST-005 MST-007

Type	Item no.
Handle for manipulator	MPH

MicroSupport