

Tungsten Probe

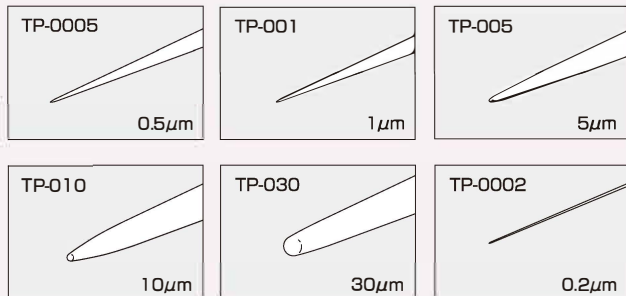
Metal probe

Manual

AP

QP

SS



Lineup

- Needle shaped

Application

- Poking, rubbing, shaving, peeling, cutting, picking up, carrying

Notes for choosing tools

- Please choose smaller tip size than sample size.

Pickup and delivery of 5-micrometer particles



Manual handle
TPH-3



Handle for Manipulator
TPH-10

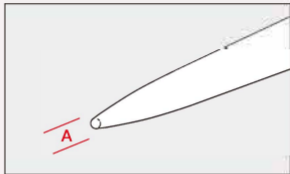


Size	Quantity	Part number
0.2µm	10	TP-0002
0.5µm	25	TP-0005
1µm	25	TP-001
5µm	25	TP-005
10µm	25	TP-010
30µm	25	TP-030
0.5, 1, 10, 30µm	3 each	TP-SET

Tungsten Probe

Base Size: Outside-diameter of attachment axis; $\varnothing 0.6\text{mm} \times 40\text{mm}$

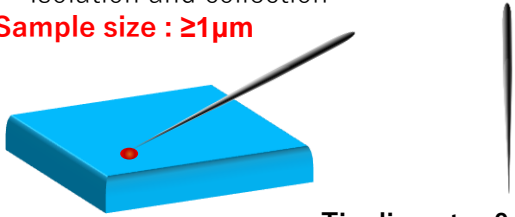
Part Number	Outside Diameter (A)
TP-0002	$0.2\mu\text{m}$
TP-0005	$0.5\mu\text{m}$
TP-001	$1\mu\text{m}$
TP-005	$5\mu\text{m}$
TP-010	$10\mu\text{m}$
TP-030	$30\mu\text{m}$



Micro tools (for picking up solid particles/materials) ※Please choose smaller tip diameter size than sample size.

- Surface contamination, fallen particles
- Isolation and collection

Sample size : $\geq 1\mu\text{m}$

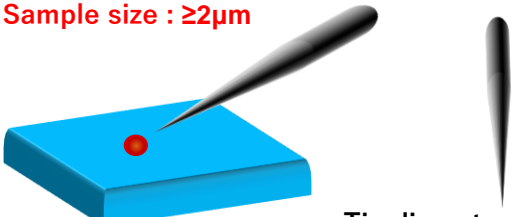


Tip diameter $0.2\mu\text{m}$

Item no./Name	TP-0002 Tungsten probe
Shape	Needle
Utilization	Isolation of solids exposed or adhered to the surface *micromanipulator required
Quantity	10pcs/package

- Surface contamination, fallen particles
- Isolation and collection

Sample size : $\geq 2\mu\text{m}$

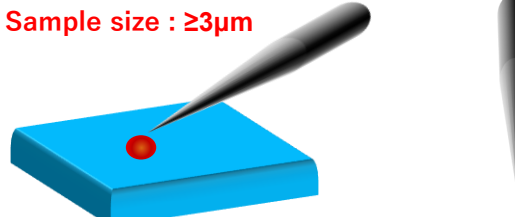


Tip diameter $0.5\mu\text{m}$

Item no./Name	TP-0005 Tungsten probe
Shape	Needle
Utilization	Isolation of solids exposed or adhered to the surface *micromanipulator required
Quantity	25pcs/package

- Surface contamination, fallen particles
- Isolation and collection

Sample size : $\geq 3\mu\text{m}$

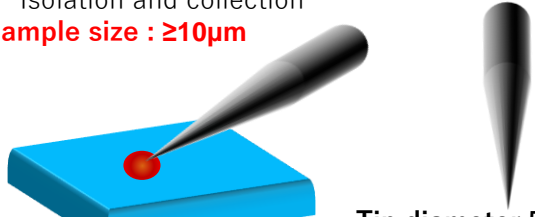


Tip diameter $1\mu\text{m}$

Item no./Name	TP-001 Tungsten probe
Shape	Needle
Utilization	Isolation of solids exposed or adhered to the surface *micromanipulator required
Quantity	25pcs/package

- Surface contamination, fallen particles
- Isolation and collection

Sample size : $\geq 10\mu\text{m}$

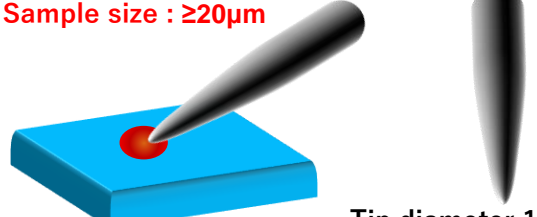


Tip diameter $5\mu\text{m}$

Item no./Name	TP-005 Tungsten probe
Shape	Needle
Utilization	Isolation of solids exposed or adhered to the surface *micromanipulator or, handheld
Quantity	25pcs/package

- Surface contamination, fallen particles
- Isolation and collection

Sample size : $\geq 20\mu\text{m}$

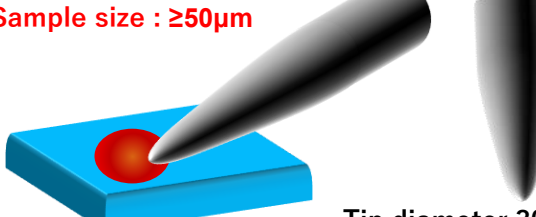


Tip diameter $10\mu\text{m}$

Item no./Name	TP-010 Tungsten probe
Shape	Needle
Utilization	Isolation of solids exposed or adhered to the surface *micromanipulator or, handheld
Quantity	25pcs/package

- Surface contamination, fallen particles
- Isolation and collection

Sample size : $\geq 50\mu\text{m}$



Tip diameter $30\mu\text{m}$

Item no./Name	TP-030 Tungsten probe
Shape	Needle
Utilization	Isolation of solids exposed or adhered to the surface *micromanipulator or handheld
Quantity	25pcs/package

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



Micro Tools Selection Chart

Item	Material	Target Materials and Conditions	Purpose
Tungsten Probe	Tungsten	Solids which are exposed and adhered to sample surface	Picking up, Pinpoint cutting
Micro Knife SUS Double-edged Blade	SUS	Film, Soft Resin	Peeling off surfaces, Cutting of a film or a fiber
Micro Knife SUS Single-edged Blade	SUS	Film, Soft Resin	Cutting of a film or a fiber
Ruby Knife Single-edged Blade	Ruby	Film, Soft Resin	Cutting out cross-section of a sample
Ruby Knife Double-edged Blade	Ruby	Film, Soft Resin	Pinpoint cutting of an embedded substance, Cutting
Ruby Knife Flat-head Blade	Ruby	Film, Soft Resin	Shaving an embedded substances on or just below surface
Tungsten Carbide Probe 5µm	Tungsten Carbide	Resin (Hard), Wafer, Glass (Brittle), etc.	Marking
Knife Edge	Tungsten Carbide	Resin (Harder)	Cutting
Micro Peeler MPE-1 (Blade Width: 50µm) MPE-2 (Blade Width: 100µm) MPE-4 (Blade Width: 200µm)	Tungsten Carbide	Resin, Soft metal Solids which adhere to surfaces	Surface shaving
Microtweezer Tool Set	SUS	Isolated micro substances (even in adhesive materials)	Holding, Gripping and Pressing down
Milling Pro (for Axis Pro)	Depends on tools	Resin (Including some rubber), Metal, Wafer, Glass (Brittle)	Milling surfaces (up to several hundreds µm)
Micropipette	Silicate Glass	For Vacuum Absorption Tool Set and Microinjector	←
Vacuum Absorption Tool Set	—	Isolated micro substances which are dry.	Absorption pickup and discharging
Microinjector	—	Liquids	Extractive sample pickup, injection of solvent