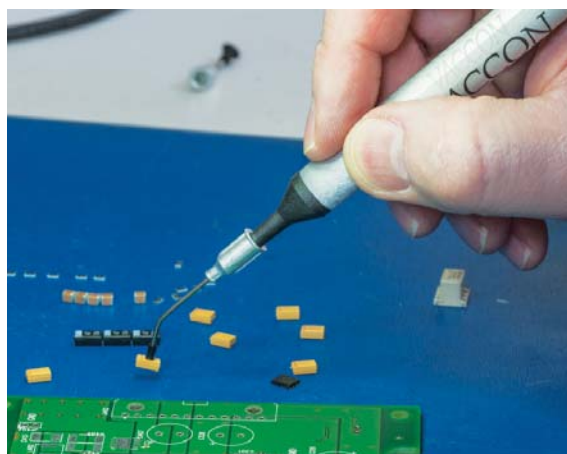


# Manual Pick and Place of Small Components

## Vacuum Pencil Kit: VH-8-KIT



*Compressed air required to power ultra-mini vacuum pump/probe/cup assembly.*

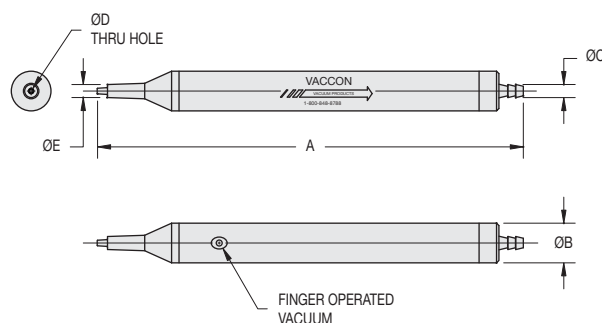
Utilizing a miniature Vaccon venturi vacuum pump as its vacuum source, the vacuum pencil kit includes a vacuum pump, vacuum pencil and a variety of interchangeable ultra-mini cups and probes.

Vaccon's Vacuum Pencil easily adapts to handling different objects by simply changing the Vacuum cup and probe. Lightweight and compact, the vacuum pencil kit is ideal for bench top work.

### VH-8-KIT: Kit includes:

- 4 straight probes, 4 angled probes
- 7 Ultra-mini cups – variety of materials and sizes (anti-static for handling electronics, silicone for high temperatures – see page 11.20)
- 1 VH3020-8 vacuum pencil
- 1 JS-40UM vacuum pump w/inlet, exhaust and vacuum fittings – generates up to 27" Hg [914.3mbar]
- Coiled polyurethane vacuum tubing

### Vacuum Pencil



Model #	Dimensions						Weight
		A	B	C	D	E	
VH3020-8	in.	5.87	0.50	0.17	0.02	0.16	0.6 oz
	mm	149.1	12.7	4.2	0.6	4.2	17 g

### How to Specify:

Vacuum Pencil only: VH3020-8

Vacuum Pencil Kit: VH-8-KIT

Ultra-Mini cups only: See page 11.20

Probes only: See page 11.34

# Probes

## For Ultra Miniature Vacuum Cups and Vacuum Pencil Kits

### Ideal Applications:

- Electronics
- Pick & place small components
- High temperature
- Medical



*Straight or angled probes*

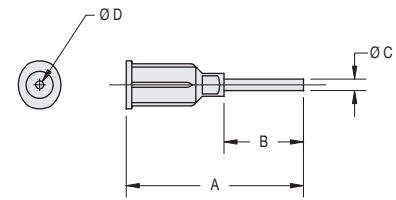
Vaccon probes attach directly to Vaccon's vacuum pencil and ultra-miniature cups for simple, manual placement of small parts.

See ultra-miniature cups on page 11.20.

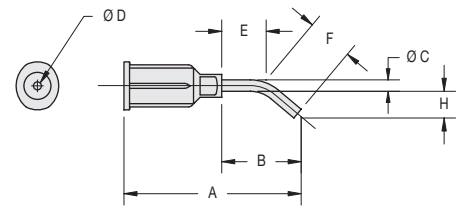
### Standard Probe:

- Material: anodized aluminum
- Straight or angled
- Push on/slip fit connection to ultra-mini cups and pencils

Probes sold individually or as part of a Vaccon Vacuum Pencil Kit: **VH-8-KIT** See page 11.35.



*Straight Probes – "S"*



*Angled Probe – "A"*

Model #		Description	Dimensions							Weight
			A	B	C	D	E	F	H	
S050-5	in.	Straight Probe 1/2" Length	1.12 [28.4]	0.50 [12.7]	0.05	0.03	N/A	N/A	N/A	0.02 oz 0.7 g
	mm				1.3	0.8				
S075-5	in.				0.072	0.05				
	mm				1.8	1.3				
S050-10	in.	Straight Probe 1" Length	1.62 [41.1]	1.00 [25.4]	0.050	0.03	N/A	N/A	N/A	0.03 oz 0.8 g
	mm				1.3	0.8				
S075-10	in.				0.072	0.05				
	mm				1.8	1.3				
A050-5	in.	Angled Probe 1/2" Length	1.12 [28.4]	0.50 [12.7]	0.05	0.03	0.26	0.31	0.19	0.02 oz 0.7 g
	mm				1.3	0.8	6.6	8.0	4.8	
A075-5	in.				0.072	0.05	0.28	0.29	0.17	
	mm				1.8	1.3	7.1	7.3	4.3	
A050-10	in.	Angled Probe 1" Length	1.62 [41.1]	1.00 [25.4]	0.050	0.03	0.76	0.31	0.19	0.03 oz 0.8 g
	mm				1.3	0.8	19.3	8.0	4.8	
A075-10	in.				0.072	0.05	0.78	0.29	0.17	
	mm				1.8	1.3	19.8	7.3	4.3	

### How to Specify:

**Probe only:** Order by model # i.e. A050-5