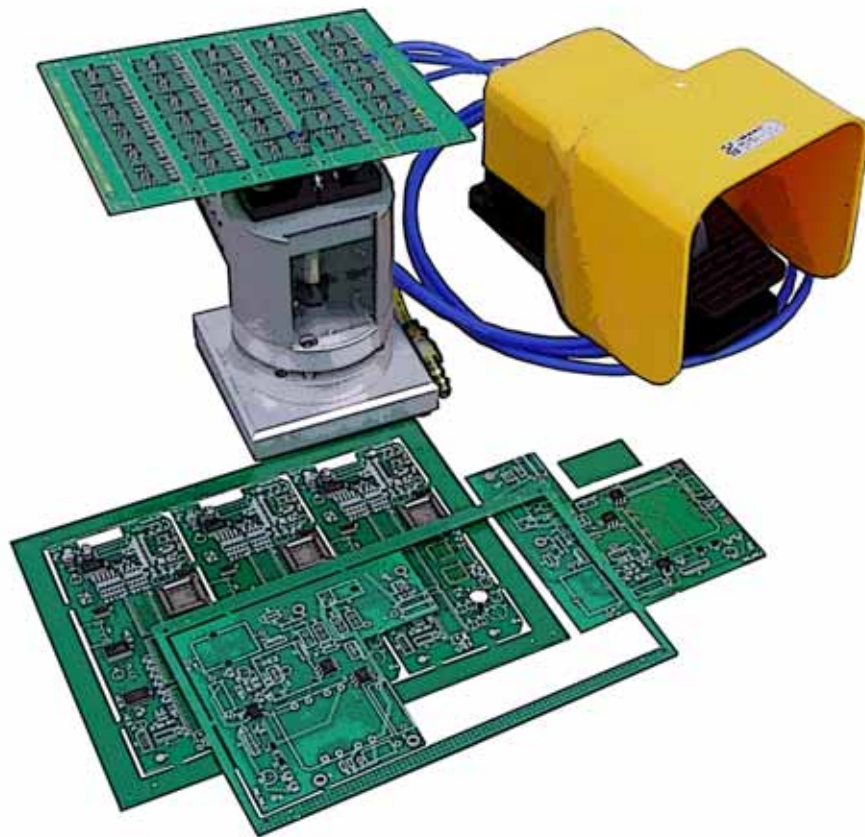


N100 Nibbler

Tab Nibbler to singulate tab routed PCB panels.

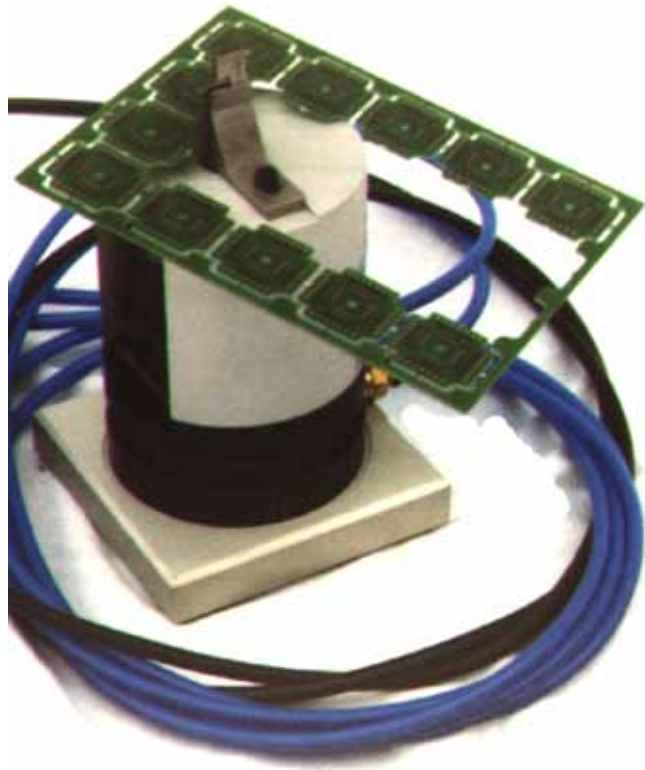
Users Guide



FKN System
115 Pleasant Street
Millis, MA 02054
Tel. (508) 376 2500 Fax (508) 375 2505
<http://www.fknsystem.com>
e-mail: fkn@fknsystem.com

Features

- Cuts tabs .198", .324" and .10" double edge.(4.8mm,8.23mm,2.54mm)
- Store cut-off tabs inside tool for discarding at operator convenience.
- Blade extends only .10" above cutoff dies for optimal operator safety.
- Easy set up. Unpack, plug into factory air and start.
- Clean cut requires no rework for deburring PCB edges.
- Easy blade change under 5 Minutes.
- Clearance of .99" (25.14mm) from top of cutoff die to tool face.

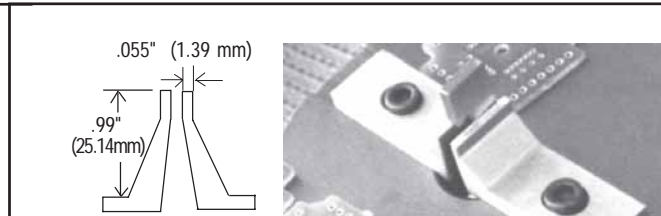


1. Introduction

The Nibbler separates routed PCB's carefully and economically. With this pneumatic singulation tool panels are separated without dust.

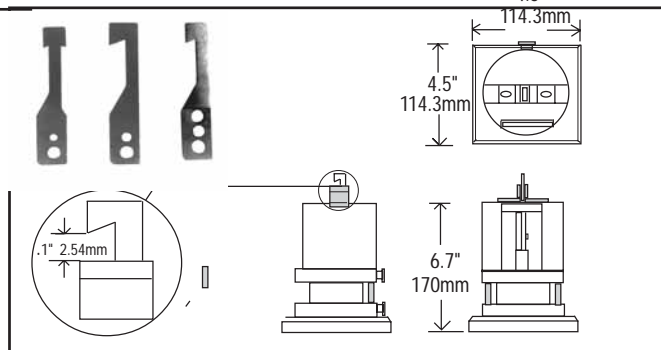
2. Contents of Package

- N100
- Users Guide
- Foot Pedal

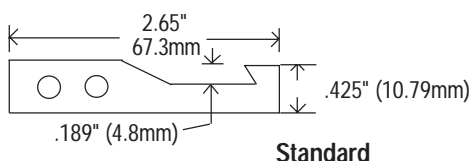


3. Technical Specifications

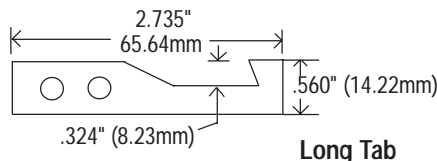
- Max length of tab: (0.18")
- Max thickness: 0.10"
- Air connection: Max 100 PSI
- Air pressure: Plug and Coupler
- Weight: 6 lb.
- Blades: 3 types. (.62", .93", .120")



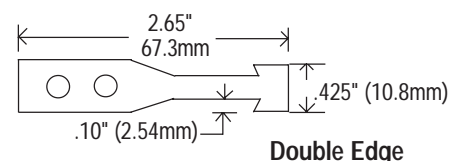
3. Blade



- 97-0102N .062" (1.5mm)
- 97-0105N .093" (2.375mm)
- 97-0106N .120" (3mm)



- 97-0202N .062" (1.5mm)
- 97-0205N .093" (2.375mm)
- 97-0206N .120" (3mm)



- 97-0302N .062" (1.5mm)
- 97-0305N .093" (2.375mm)
- 97-0306N .120" (3mm)

4. Set up

Connect the air, the knife moves in the up position. Check the air pressure, if it is too high a regulator must be installed. Air must be filtered and water free.

5. Operation

Place the board with the slot over the knife. Lay the pcb on the support dies and push the tab underneath the knife. Hold the board horizontal. Stepping on the foot switch will bring the knife down to separate the tab from the PCB panels. The separated tab will fall between the board support dies into the collecting box. To empty the collecting box disconnect the air from the machine, lift the plastic cover and empty the box. If the tool malfunctions check the air connection and check the the tool for air leaks.

6. Blade replacement

Caution: Disconnect the machine from the air.

To replace blades, 1) Loosen the top right support die using a M5 (10-32) hex key. 2) Insert the M3 hexkey supplied with the nibbler into the hole on the side of the nibbler housing and unscrew the blade from the shaft.. 3) remove old blade and replace with new one.

The newer machines come with a side hole. Apply a 9/64 wrench through the hole to easily replace the blade. Make sure the blade is at lower position in order to align the hole with the blade hold down screw.

7. Parts List

Support Dies for N100. (set of 2)	PN 97-0161N
N100 Blade Holder Shaft	PN 97-0140N
Dowel Pin	PN 97-0141N
Blade Holder Screw	PN 97-0142N
Foot pedal	PN 97-0112N
Base Plate	PN 97-0120N
Machined Case	PN 97-0150N
Air Cylinder	PN 97-0130N
Acrylic Front Cover	PN 97-0151N
Air Hose Nipples.	PN 97-0112
Air hose set.	PN 97-0155N

8. Safety precautions

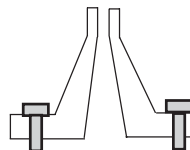
The Nibbler may only be used to separate PCB boards. Do not use the machine for any other purpose than it's intended use. Use the machine only when everything is set up correctly. Before changing parts disconnect the air. Wear safety gloves and glasses. Keep the foot switch in a safe area away from other workers. Use only original parts. Keep hands out of the collecting box.

Support Dies



NEW SHARP BLADE SUPPORT DIE

Standard Flat Top



Sharp Blade

