

FP-1MAS-2

SINGLE SIDED FULLY ADJUSTABLE FLAT PACK FORMING & CUTTING TOOL

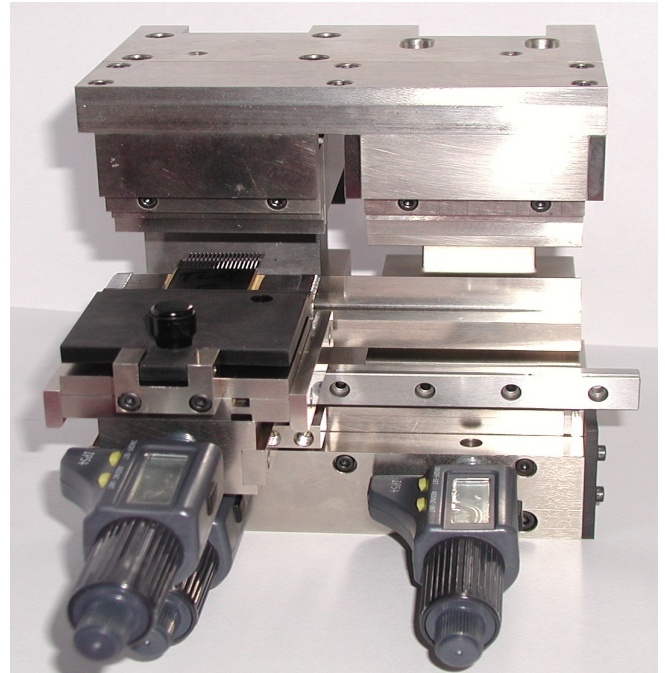
Cut and form Components One Side at a Time
Variable Body-to-Bend, Stand-Off, Footpad, Radius, and Lead Thickness

Micrometers/Software Ease Set-Up

- **Micrometers adjust footpad, stand-off, body-to-bend, dimensions in inches or mm.**
- **Quick change for repeatable set-up.**
- **Direct Dimension input from component specification**

2-Stage Die With Linear Shuttle

- **Left side forms component to reflow**
- **Right side cuts component for proper foot length**
- **Linear slide with adjustable component holding nest**
- **Adjustable Removable Component Holding Nest**



The *new*, unique, **FP-1MAS-2 Flat Pack Lead Former** cuts and forms flat pack leads to a reflow configuration. The die is adjustable for body-to-bend, stand-off height, and footpad. Processing one side at a time, this two stage die first forms the leads to a reflow form, then cuts the leads to the desired length.

The die mounts onto our **FP-5** pneumatic press. The **FP-5** incorporates a heavy-duty, 3" stroke cylinder with dual, right / left palm interlock switches to ensure operator safety.

To begin, insert a flat pack into the removable nest. Guide pins align the nest to the tool. Adjust the stand-off and body-to-bend micrometers to the correct dimensions and depress the dual palm switches. The component leads are now formed to a reflow configuration. Slide the component nest on the linear rail to the right. Adjust for footpad using the digital micrometer. Depress and hold the dual palm switches. One side of the component is now cut and formed. Remove the nest or pivot the cover and remove the component. Rotate, repeat for the other sides of the component.

Unlike others, the **FP-1MAS-2** ensures component safety by forming in the first stage. Tie bars remain in place while the shuttle operation occurs, preventing lead skew or component damage. The tie bar remains until the final cut.

To order a standard tool, specifications are needed for radius and lead thickness. Optional interchangeable inserts can be purchased for other lead thickness and radius. All other dimensions are adjustable.



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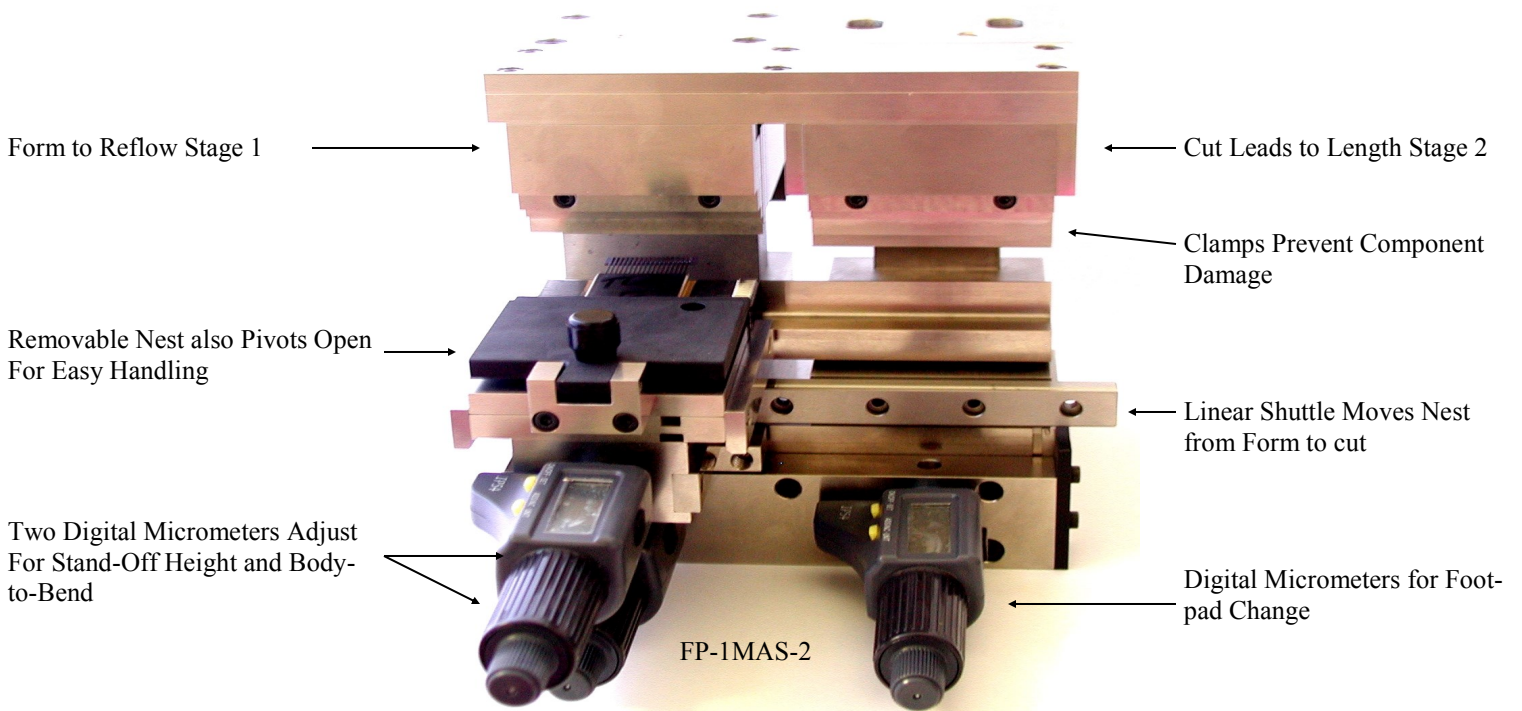
FEATURES

The **FP-1MAS-2** consist of precision machined/ground top and bottom dies, three digital readout micrometers, a removable and adjustable component holding nest, linear shuttle mechanism, and guide post for positive alignment.

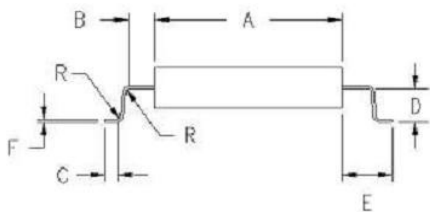
Component integrity is never compromised due to the top clamps. Lead-to-body fracture is eliminated as the clamps secure the leads before cutting and forming. The die is fabricated to your exact specifications by our highly-experienced

team of engineers and toolmakers. All dies are made of tool steel with Rockwell hardness 60-62 for extended life. Each die is electroless nickel plated, adding to the hardness and rust prevention.

ORDERING INFORMATION



SPECIFICATIONS



Dim.	Min.	Max.	Min.	Max.
A	0.200"	2.375"	5.10mm	60.30mm
B	0.025"	0.375"	0.65mm	9.50mm
C	0.030"	0.355"	0.76mm	9.00mm
D	0.000"	0.200"	0.00mm	5.09mm
E	0.085"	0.345"	2.16mm	8.70mm
F	Specify	Specify	Specify	Specify
R	Specify	Specify	Specify	Specify

Specifications based on standard die of 0.010" radius and 0.010" lead thickness. Body-to-bend and footpad can change with other specified lead thickness and radius. Optional inserts available for radius and lead thickness change.



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