

CF Axial

CUT/FORM AXIAL COMPONENTS AT SPEEDS TO 25,000 PPH

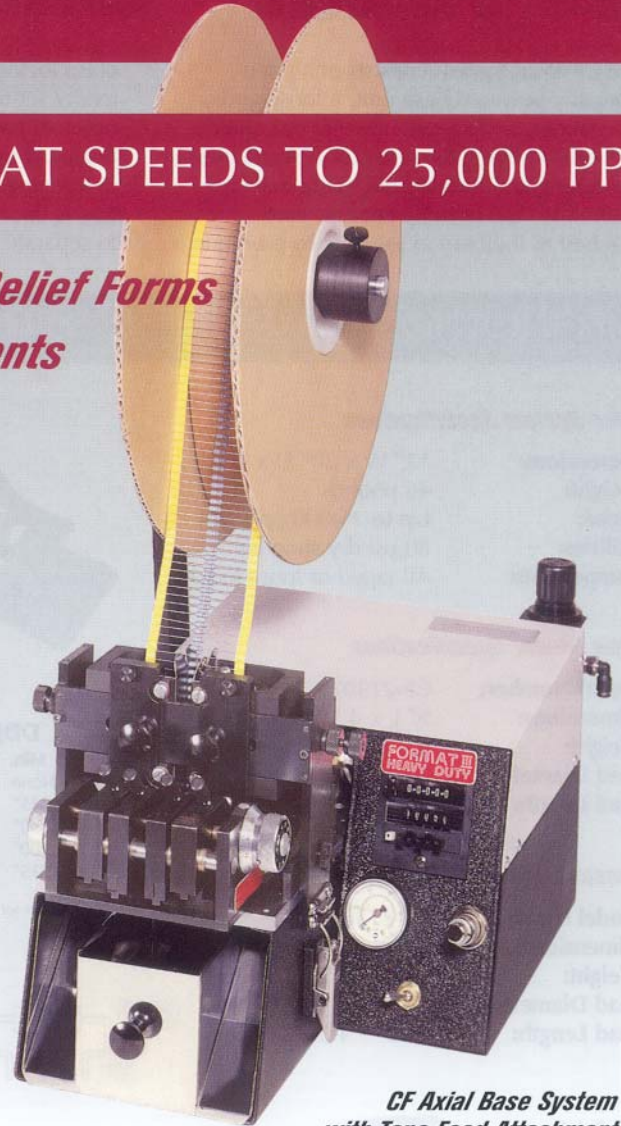
*90°, Snap-In/Stand-Off, Vertical and Stress Relief Forms
Quick Change From Loose to Taped Components*

WIDE SELECTION OF AXIAL DIES

- *Dial Adjustable Dies for Precise Mil-Spec Cutting and Forming*
- *Economical Cutting and Forming with Manually Adjustable Dies*
- *Fixed Dies Offer Exceptional Precision and Repeatability*

MODULAR SYSTEM CONCEPT

- *Choose from Four Basic Systems*
- *Change in Seconds from Loose to Tape Feed*
- *Tooling Changes Performed in Minutes*
- *Change Lead Spacing and Cut Length on the Fly*



*CF Axial Base System
with Tape Feed Attachment*

Form axial components with Mil-Spec precision at speeds up to 25,000 parts per hour (pph) with the **CF Axial** lead former from Manix Manufacturing, Inc.

Cut and Form 0.015' - 0.070' lead diameters to 90 degree right angle, snap-in, stand-off, vertical, flush-mount lock-in, stress relief, and other custom forms to your exact specifications.

The **CF Axial** is a modular lead forming system. Select the base, feeder, and die configuration that best suit your immediate production

needs. Add feeders and dies as new applications arise.

A pneumatic drive assures reliable, trouble-free performance over a long operating life. The **CF Axial** is ruggedly built and includes a one year warranty.

Choose from a unique vibratory hopper for bulk components, or an adjustable tape feeder for faster processing. Quick-release clamps lock all feeders in place, eliminating time consuming changeover.

All **CF Axial** dies meet or exceed Mil-Spec specifications. CF dies are

linear in design. This ensures repeatability and eliminates the need for troublesome rotary wheels, a primary cause of nicked leads and lead spacing run out. All dies clamp the component leads prior to cutting and forming, preventing damage to the component. Linear dies lock securely in place, eliminating spacing or cut length problems also associated with rotary style machines.

Dies are precision machined from hardened tool steel to ensure repeatable performance and long tool life.

The CF Axial System consists of a pneumatically powered base unit, a loose and/or tape feeder, and an axial die of your choice. To begin forming, the operator first attaches the cutting and forming die to the machine base. The tape or bulk feeder is then attached to the base in seconds by a unique

clasp locking mechanism. With die and feeder set-up complete, the operator sets the optional parts counter and processing begins. Finished components are collected in a removable tray. A three compartment tray is used with the loose feed attachment to separate finished axials from cut ends.

All dies are constructed of high-quality tool steel and hardened to 60-62 Rockwell.

A separate attachment also makes it possible to use the CF Series former for the processing of taped radial components.

SPECIFICATIONS

Base System Specifications

Dimensions: 12" W x 20" D x 8" H
Weight: 45 pounds
Speed: Up to 25,000 pph
Utilities: 80 psi dry shop air
Components: All taped or loose axials

Tape Feeder Specifications

Model Number: CF-21307
Dimensions: 9" L x 4.5" W x 7" H
Weight: 4.8 pounds
Lead Diameters: 0.015" - 0.060"
Lead Length: 2.5" - 3.7"

Loose Feeder Specifications

Model Number: CF-21308
Dimensions: 9" L x 5.5" W x 10" H
Weight: 5.1 pounds
Lead Diameters: 0.015" - 0.038"
Lead Length: 2.25" - 4.0"

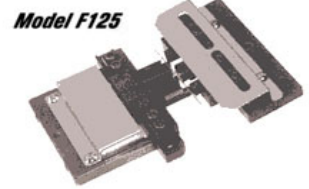
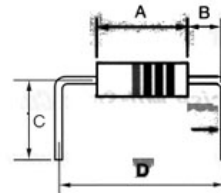
CF Axial Base System w/ Loose Feed Attachment



Standard Cutting and Forming Dies



Model DDJ-1



Model F125

Dial Adjustable Dies

DDJ-1	
	Min. Max.
A	None 1.19"
B	.045" Var.
C	.150" .600"
D	.300" 1.30"
E	.015" .032"

DDJ-1HDC	
	Min. Max.
A	None 1.11"
B	.060" Var.
C	.190" .560"
D	.470" 1.30"
E	.032" .060"

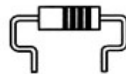
Manually Adjustable Dies

ADJ-1	
	Min. Max.
A	None 2.00"
B	.045" Var.
C	.200" .700"
D	.365" 2.30"
E	.015" .038"

F125	
	Min. Max.
A	None 1.09"
B	.060" Var.
C	.275" .700"
D	.400" 1.26"
E	.038" .060"

*Insert set available to convert DDJ-1HDC to DDJ-1

Other Fixed and Adjustable Dies



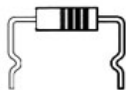
Model H
Stand-Off



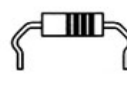
Model P
SMT
Gull Wing



Model J
Vertical
Stand-Up



Model E
Lock-In
w/ Stand-Off



Model L
Lock-In
w/ Stand-Off



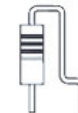
Model Q
Vertical Lock-In
w/ Stand-Up



Model G
Stair Bend
Stand-Off



Model O
Military
Stress Relief



Model I
Vertical Stand-Up
w/ Double Radius

ORDERING INFORMATION

CF-11101: Pneumatic Base System (Light-Duty)
 CF-11173: Pneumatic Base System (Heavy-Duty)
 CF-21307: Axial Tape Feeder
 CF-21308: Axial Loose Feeder
 DDJ-1: Light-Duty Dial Adjustable Die
 DDJ-1HVC: Heavy-Duty Dial Adjustable Die
 CF-11200: Fully Adjustable Progressive Tooling
 ADJ-1: Light-Duty Manual Adjustable Die
 F-125: Heavy-Duty Manual Adjustable Die
 CF-WL: Jumper Wire Attachment

The popular CF Series is the only lead former available today that automatically processes both axials and radials with minimal tooling changes. Optional accessories for radial components include:

CF-21369: Radial Feed Base with Micrometer Adjust
 F244D: Variable Capacitor Snap-In Tooling
 F246D: Radial Cut-Only Tooling
 F247AD: In-Line Transistor Snap-In Tooling
 F251D: Radial Lay-Over Tooling