Machine Model	AFE-2D4	AFE-2D6	AFE-2D8-T	AFE-2D10	AFE-2D10-T	AFE-2D12-T
Wire Diameter Range (Millimeters)	2mm - 4mm	2mm - 6.4mm	2mm - 8mm	*4mm - 10mm	*4mm - 10mm	*4mm - 12mm
Wire Diameter Range (Inches)	0.080"- 0.160"	0.080"- 0.250"	0.080"- 0.313"	0.160"- 0.394"	0.160"- 0.394"	0.160"- 0.472"
Max. Wire Tensile At Max. Wire Diameter	620 N/mm²	620 N/mm²	620 N/mm²	620 N/mm²	620 N/mm²	620 N/mm²
——〃—— (kPSI)	90 kPSI	90 kPSI	90 kPSI	90 kPSI	90 kPSI	90 kPSI

Performance Specifications

Feeder Axis #1

Wire Feed Resolution (Millimeters)	0.0001mm	0.0001mm	0.0001mm	0.0001mm	0.0001mm	0.006mm
Wire Feed Resolution (Inches)	<0.00001"	<0.00001"	<0.00001"	<0.00001"	<0.00001"	<0.00001"
Max wire feed speed (Meters)	156 m/min	156 m/min	152 m/min	149 m/min	149 m/min	145 m/min
Max wire feed speed (Feet)	511' f/min	511' f/min	506' f/min	488' f/min	488' f/min	475 f/min

Bender Axis #2

Bender Resolution	<0.0001°	<0.0001°	<0.0001°	<0.0001°	<0.0001°	<0.0001°
Max Bender speed	2500°/sec	2500°/sec	2500°/sec	1200°/sec	1200°/sec	1200°/sec
Max Bender angle	+/- 200°	+/- 200°	Unlimited	+/- 200°	Unlimited	Unlimited

Turret Axis #4

Turret Axis ToolChange time	N/A	N/A	250 mSec	N/A	250 mSec	250 mSec

Set-Up Time

Same Wire Diameter	1 minute	1 minute	1 minute	1 minute	1 minute	1 minute
Change feeder rollers & Bending tools	8 minutes	8 minutes	8 minutes	8 minutes	8 minutes	8 minutes

Power Consumption, Electrical & Air Requirements

Average Power Consumption (KW/h)**	1.6	1.9	2.3	2.5	2.6	2.8
Electrical requirement	50/60 Hz	400V or 460V, 3 phase - all models***				
Installed Power	23KVA	23KVA	39KVA	40KVA	40KVA	42KVA
Air requirements	100 PSI @ 2 SCFM - all models					
Operating Temperature	15-40 degrees Celsius (59-104 degrees Fahrenheit)					
Operating Humidity	10-90% - all models					

Dimensions & Weight (Machine weight only / not for shipping)

Width, Depth & Height (meters)	2m x 1.5m x 2.13m					
——〃—— (inches)	82" x 60" x 84"					
Gross weight (Kg)	1860 Kg	1930 Kg	2040 Kg	2040 Kg	2130 Kg	2130 Kg
Gross weight (Lbs)	4100 Lbs	4250 Lbs	4500 Lbs	4500 Lbs	4700 Lbs	4700 Lbs

** Machines can form wire down to 2mm with additional tooling.*
*** Power Consumption Data is measured on average production.*
**** Specify on Order.*

FORMING OUR FUTURE WITH YOURS

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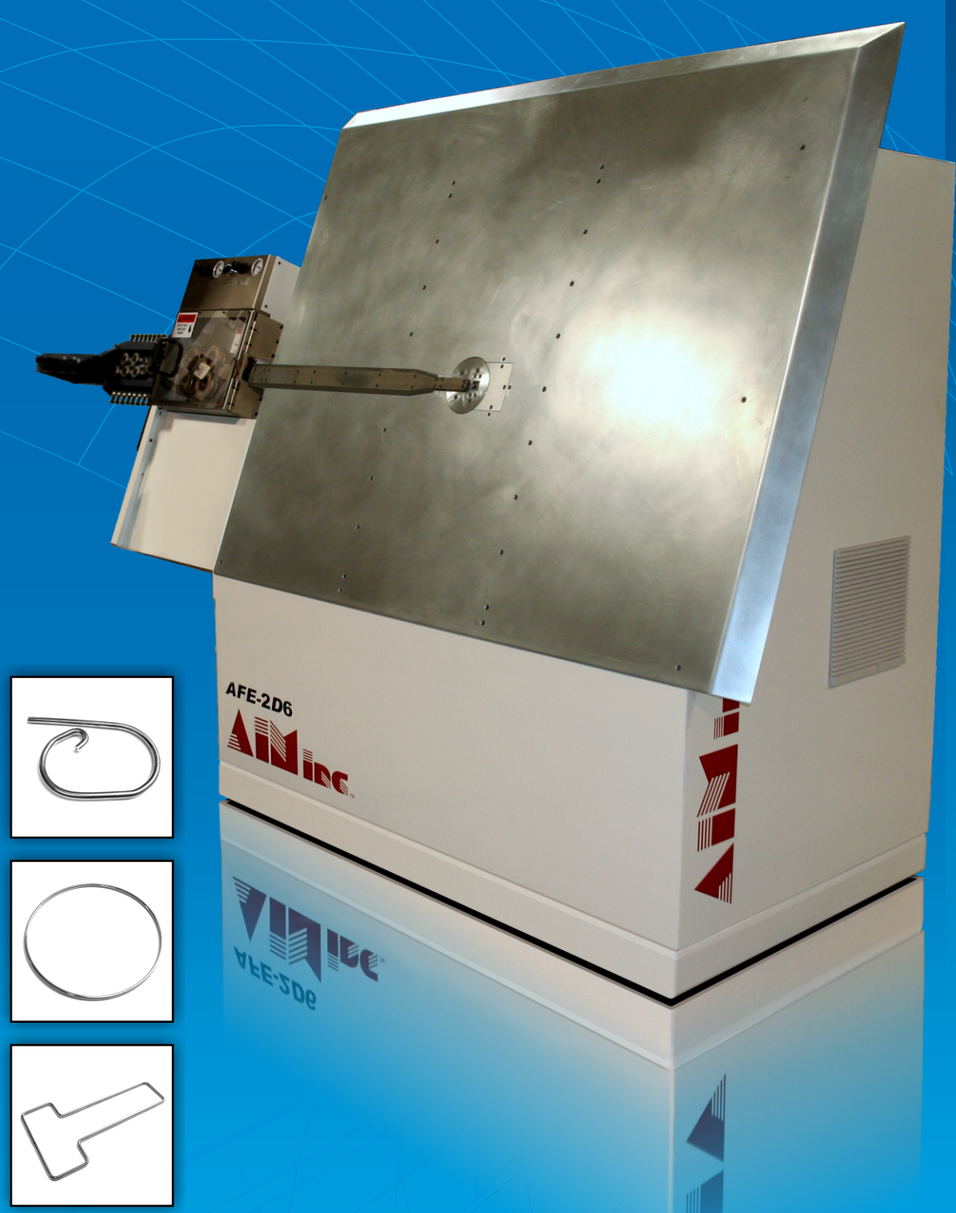
AFE-2D4
AFE-2D6
AFE-2D8-T
AFE-2D10
AFE-2D10-T
AFE-2D12-T

AccuForm E-Series

Value in CNC Wire Bending

AFE-2D shown without safety barrier for display purposes.

2D SERIES



AIM inc®
Automated Industrial Machinery, Inc.

AccuForm

FEATURES & BENEFITS

- Concurrent Operations: Dual processor allows programming a part while running production
- Production Statistics for cost estimating & scheduling
- DXF file import & optional 3D Step file import
- Animation / Bending simulation allows you to see programmed moves before running production
- Available remote, off-line programming with stand-alone software or through installed network card
- Color touch screen monitor and industrial grade sealed keyboard for data entry
- Simple programming with Windows Pro® based operating system
- Exceptional accuracy and repeatability
- Sealed, oversize bearings for low maintenance operation over time
- Wire fed directly from coil
- A variety of servo drive options for combinations of faster feed and bending speeds
- Double acting hydraulic cutting system for high tensile wire on machines larger than 6mm capacity
- One keystroke transition between metric and English units of measure
- Optional video camera for machine monitoring or videoconferencing
- Merge individual part programs for production of complete assemblies or program to make alternating parts
- Programmable delay or hold functions to match downstream operations in work cells
- Spiral software function allows user to define any spiral with just three numbers
- Easily accessible tooling for minimal setup and changeover time
- Hardened and ground tool steel moving parts for exceptional wear and tool life
- Optional I/O's for interconnection of auxiliary equipment such as robotics, threaders, & inspection devices
- Highest overall production speeds in the industry
- Ethernet & USB ports
- Two bending head choices: Single stage or Turret Head indexing tool changer are available
- Temperature controlled electronics cabinets with washable filters
- Automatic Critical Maintenance reminders with User Control

E-Series

AFE-2D4
AFE-2D6
AFE-2D8-T
AFE-2D10
AFE-2D10-T
AFE-2D12-T

2D SERIES

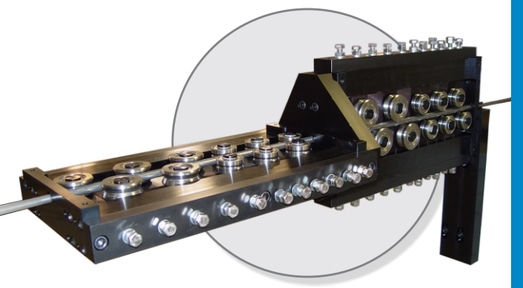
"Shown here with optional Welder AWE-12i and Servo transfer system"
*AFE-2D shown without safety barrier for display purposes.

BEST VALUE
Simple design and PC controls allow for easy service, high speed, reduced setup time and an attractive price. Each E-Series machine incorporates high-end components, "four wheel drive" feeders, quick setup straighteners, the latest technology in servo positioning, "dial-a-service", NEMA 12 with temperature control electronics cabinet. E-Series machines carry a one year parts and labor warranty!

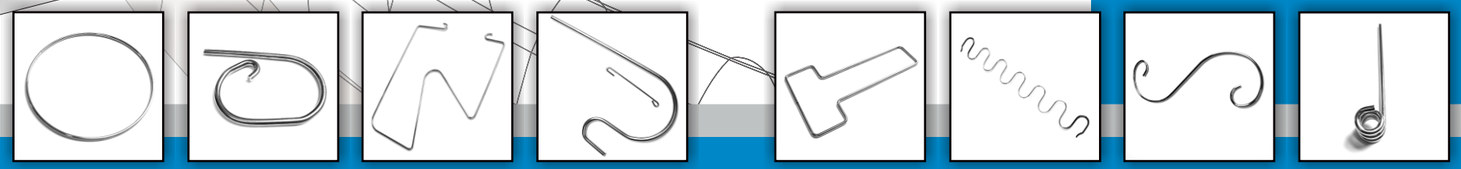
EASY PROGRAMMING
Bend complex two dimensional wire parts with very simple programming. With our new graphics viewer the user can envision the part before production. Connect to Internet for fast upgrades and service.

ROBUST ENGINEERING
With 25 years of experience these models are made to last. The hallmark of an AIM machine is it's operational consistency over time. Performance specifications are extremely high and Reliability is built into the design.

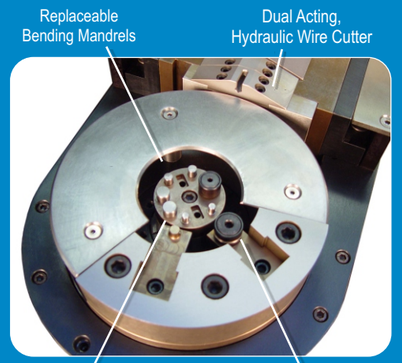
EXPANDABILITY
Optional accessories include Threading, Press, Drilling, Chamfering units, DC Mid Frequency automatic welders, Servo Transfer system and Robotics integration.



Dual Size Straightener Rollers
for Wide Range of Wire Diameters

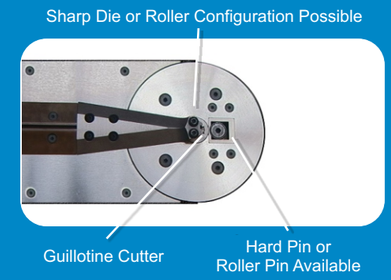


TURRET HEAD Indexing Tool Changer

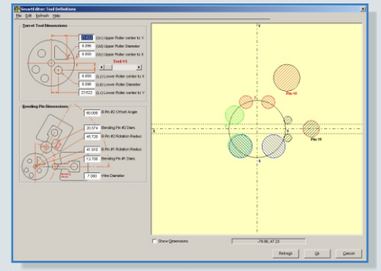


Turret head machines offer two programmable bending pins. The Hard Bending Pin is used to form intricate bends and long running jobs, where tool wear may become an issue. The Roller Pin is used to produce arcs that need to be generated, with minimal marks on the wire. The tool cluster is the "heart" of the bender containing round pins, a roller and sharp bend dies. This variety allows the use of one tool set to accomplish many styles of bends; including a "press brake" style bend, when the radii of the bends are significantly less than the wire diameter. When the bending pins and tool cluster are coupled together they provide the user with up to 8 tooling combinations. The dual acting cutter produces burr-free square cuts and delivers a "zero length" cutoff.

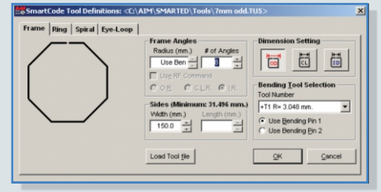
Non-Turret Configuration



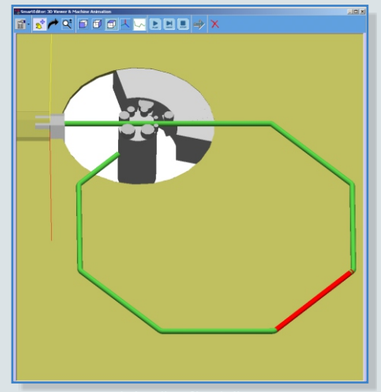
The Non-Turret configuration has been tried and tested in the field for more than two decades. Although it lacks the flexibility of the Turret Head it gains an advantage of cutting and forming in the same area without indexing the tools. This characteristic reflects less time to make a part, leading to a higher production rate.



Graphic Representation of Installed Tools on Machine.



SmartCode for Automatic Programming of frames, eye loops, rings & spirals.



Animation Simulation.

Simple Programming Interface. SmartEditor® helps figure out machine movements. User only needs to add feed length, bend angle, radius size & tool configuration.