Machine Model	AFM-2D6-T*	AFM-2D8-T	AFM-2D10-T*	AFM-2D12-T	AFM-2D13-T	AFM-2D14-T	AFM-2D16	AFM-2D16-T
Wire Diameter Range (Millimeters)	2mm - 6.4mm	2mm - 8mm	**4mm - 10mm	**4mm - 12mm	**5mm - 13mm	**4mm - 14mm	6mm - 16mm	6mm - 16mm
Wire Diameter Range (Inches)	0.080"- 0.250"	0.080"- 0.310"	0.160"- 0.390"	0.160"- 0.472"	0.197"- 0.500"	0.160"- 0.550"	0.250"- 0.630"	0.250"- 0.630"
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	620 N/mm²	620 N/mm²
——"—— (kPSI)	90 kPSI	90 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	<0.0001mm	<0.0001mm	<0.0001mm
Wire Feed Resolution (Inches)	<0.00001"	<0.00001"	<0.00001"	<0.00001"	<0.00001"	<0.00001"	<0.00001"	<0.00001"
Max wire feed speed (Meters)	156 m/min	152 m/min	149 m/min	145 m/min	138 m/min	137 m/min	135 m/min	135 m/min
Max wire feed speed (Feet)	511' f/min	506' f/min	488' f/min	475' f/min	452' f/min	451' f/min	442' f/min	442' f/min

Bender Axis #2

Bender Resolution	<0.0001°	<0.0001°	<0.0001°	<0.0001°	<0.0001°	<0.0001°	<0.0001°	<0.0001°
Max Bender speed	2500°/sec	2500°/sec	1200°/sec	1200°/sec	1200°/sec	1125°/sec	1125°/sec	1125°/sec
Max Bender angle	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	+/- 200°	Unlimited

Turret Axis #4

Turret Axis ToolChange time	250 mSec	250 mSec	250 mSec	250 mSec	250 mSec	250 mSec		250 mSec

Set-Up Time

Same Wire Diameter	1 minute	1 minute	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	8 minutes	30 minutes

Power Consumption, Electrical & Air Requirements

Average Power Consumption (KW/h)***	2.0	2.3	2.6	2.8	3.6	4.0	4.0	4.2
Electrical Requirement	50/60 Hz	400V or 460V, 3 phase - all models****						
Installed Power	23KVA	39KVA	40KVA	42KVA	45KVA	49KVA	59KVA	60KVA
Air Requirements	100 PSI @ 2 SCFM - all models							
Operating Temperature	15-40 degrees Celsius (59-104 degrees Fahrenheit) - all models							
Operating Humidity	10-90% - all models							

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

Width, Depth & Height (meters)	3.5 x 2.13 x 2.03	3.5 x 2.13 x 2.03	3.5 x 2.13 x 2.03	3.5 x 2.13 x 2.03	3.5 x 2.13 x 2.03	3.5 x 2.13 x 2.03	4.16 x 2.03 x 2.03	4.16 x 2.03 x 2.03
——"—— (inches)	140" x 84" x 80"	140" x 84" x 80"	140" x 84" x 80"	140" x 84" x 80"	140" x 84" x 80"	140" x 84" x 80"	164" x 80" x 80"	164" x 80" x 80"
Gross weight (Kg)	2359 Kg	2359 Kg	2495 Kg	2495 Kg	2495 Kg	2495 Kg	4082 Kg	4082 Kg
Gross weight (Lbs)	5200 Lbs	5200 Lbs	5500 Lbs	5500 Lbs	5500 Lbs	5500 Lbs	9000 Lbs	9000 Lbs

** Available in Non-Turret Configuration*
*** 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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AFM-2D6-T
AFM-2D8-T
AFM-2D10-T
AFM-2D12-T
AFM-2D13-T
AFM-2D14-T
AFM-2D16
AFM-2D16-T

AccuForm MODULAR

Performance in CNC Wire Bending

2D SERIES

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

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 transfer & 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
- Wire fed directly from coil via a 5Hp payoff system (included)
- Ultra servo drive options for faster feed and bending speeds available
- Double acting hydraulic cutting system for high tensile wire provides the strongest cut in the market (on models >6mm)
- One keystroke transition between metric and English units of measure
- Video camera for machine monitoring or video conferencing
- 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
- Network ready for “Dial-A-Service”
- Ethernet & USB Ports
- Table tilts to any angle from horizontal to vertical, for models up to 13mm (½”)
- Two bending head choices: Single stage or Turret Head indexing tool changer are available
- Temperature controlled electronics cabinets with washable filters
- Optional integration with Coordinate Measuring machines available
- Automatic Critical Maintenance reminders with User Control
- Optional 2nd LCD monitor for production reporting

Modular

AFM-2D6-T
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AFM-2D10-T
AFM-2D12-T
AFM-2D13-T
AFM-2D14-T
AFM-2D16
AFM-2D16-T

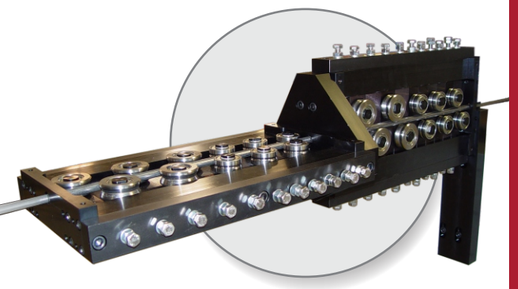
2D SERIES

*Shown here with optional Welder AW-08i

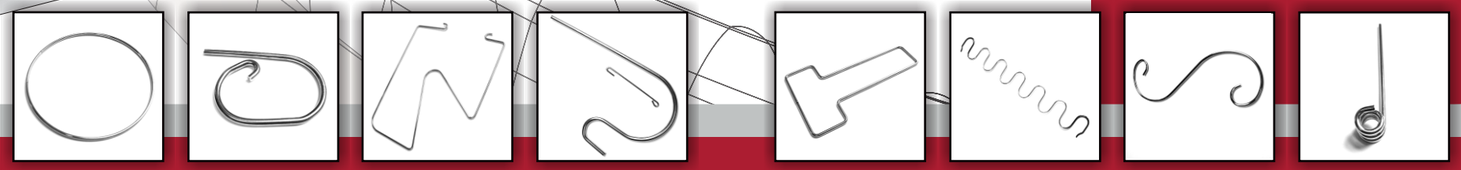
MODULAR CONSTRUCTION
Modular frame construction provides the most flexible, versatile 2D machines in the market today. This method of assembly allows for quicker response to short lead-time delivery requests and helps hold down costs for a new machine.

EXPANDABILITY
All AFM-2D machines have a standard bend back clearance to form 48” frames without interference. Using a modular construction machine, bends can be easily extended to produce 72” frames at time of order or after the machine has been installed.

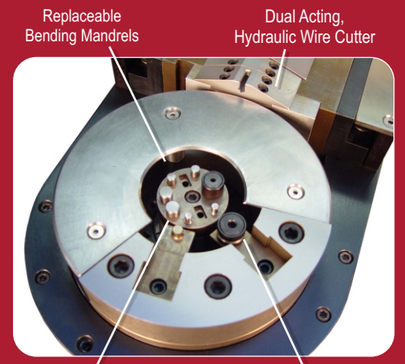
VERSATILITY
Adding modules for inline secondary operations such as chamfering, threading, and flattening can extend the versatility of your AccuForm AFM-2D machine.



Dual Size Straightener Rollers
for Wide Range of Wire Diameters

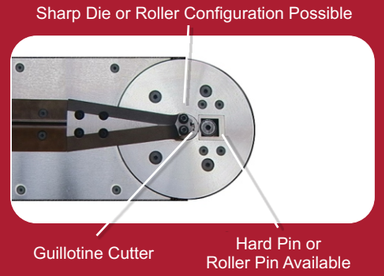


TURRET HEAD Indexing Tool Changer

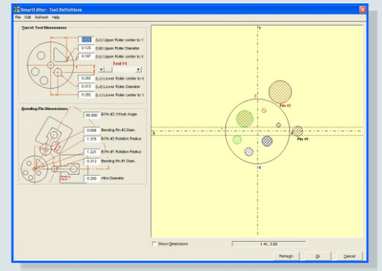


Turret head machines offer two programmable bending pins. The Hard Bending Pin is used to form intricate bends and long running jobs, where tool wear may become an issue. The Roller Pin is used to produce arcs that need to be generated, with minimal marks on the wire. The tool cluster is the “heart” 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.

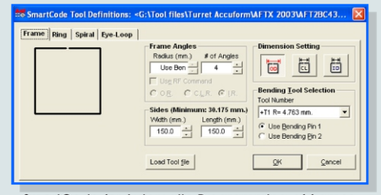
Non-Turret Configuration



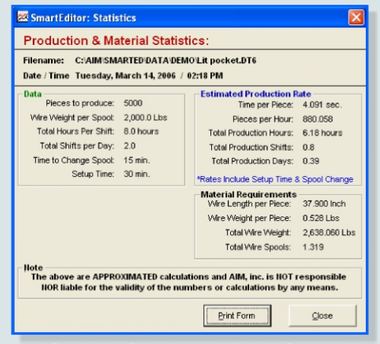
The Non-Turret configuration has been tried and tested in the field for more than two decades. Although it lacks the flexibility of the Turret Head it gains an advantage of cutting and forming in the same area without indexing the tools. This characteristic reflects less time to make a part, leading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



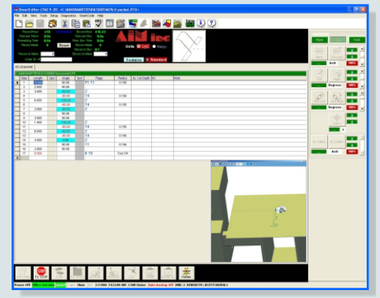
Graphic Representation of Installed Tools on Machine



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



Instant Production Estimates and Material Consumption



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

AIM inc®