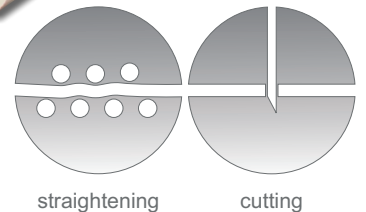




**SERVO STRAIGHT & CUT SOLUTIONS**  
AFM-1Dx



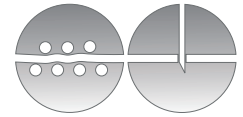
**AUTOMATION IN WIRE CUTTING**

Automatic Straight and Cut machine

*FORMING OUR FUTURE WITH YOURS*

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# AFM 1DX Automatic Straight and Cut machine



## Features

Modular frame construction for easy field installation of accessories and options  
 Controlled by AIM Inc.'s SmartEditor® Software  
 2-plane straightener can be converted to 4-plane  
 Removable adjustor bars for quick straightener setup.  
 Separate encoder feedback for accurate lengths even if slippage occurs  
 Individually adjustable Feeder and Encoder roller pressure  
 Multiple material capacities even for the toughest jobs  
 Remote servicing and monitoring via your existing Internet connection ("Dial-A-Service")  
 Dual processors allow concurrent part production and new part programming  
 Instant Production Statistics for estimating

## Programming Kiosk

Industrial Flat Touch Panel PC with full keyboard and touchpad.  
 Front panel USB port.  
 SmartEditor® software enables batch run configurations.  
 Almost unlimited file storage  
 Barcode production scheduling ready.  
 Windows® Operating System, ready to connect with your network.  
 Manual Storage cabinet under the keyboard  
 Positive air circulation with filter.



## Automatic Decoiler

AIM's standard P270-8, 5 Hp, flux Vector drive, powered payoff unit with pneumatic arm adjustable tension is included.

## Fast Hydraulic dual acting cutter

Sizes 12, 14 and 16 incorporate a high speed hydraulic cutter. Also available for sizes 6 and 10 as an option.

## Options

Servo, Hydraulic, air, circular saw cutters available  
 Customized solutions with multiple straighteners and quick change over  
 In-line chamfering module  
 In-line die module  
 In-line die marking module with standard or programmable marking (punch or laser)  
 In-line drilling module  
 Battery operated handheld cutter for up to 12.7mm (½")  
 Pivot bracket for quick changeover between two installed straighteners.  
 Extra straighteners  
 Indexing Turret Straightener for quick changeover between up to 6 installed straighteners with the touch of a button.  
 Robot integration for pick & place part manipulations, complete with end effector tooling.  
 AccuThread End-of-line Threading Module for wire sizes 6 – 16 mm (0.236" – 0.630").  
 End-of-line Cold Heading Modules for collar and upset type forming operations.  
 CE Compliance Kit-Includes necessary components for CE compliance

Machine Model	AFM 1D6	AFM 1D10	AFM 1D12	AFM 1D14	AFM 1D16T
Wire Diameter Range (Millimeters)*	2mm - 6.4mm	4mm - 10mm	4mm - 12mm	6mm - 14mm	6mm - 16mm
Wire Diameter Range (Inches)*	0.080" - 0.250"	0.160" - 0.394"	0.160" - 0.472"	0.160" - 0.550"	0.250" - 0.630"
Max. Wire Tensile At Max. Wire Diameter	620 N/mm <sup>2</sup>	620 N/mm <sup>2</sup>	620 N/mm <sup>2</sup>	620 N/mm <sup>2</sup>	620 N/mm <sup>2</sup>
—— " —— (kPSI)	90 kPSI	90 kPSI	90 kPSI	90 kPSI	90 kPSI

## Performance Specifications

Wire Feed Resolution (Millimeters)	<0.0001mm	<0.0001mm	<0.0001mm	<0.0001mm	<0.0001mm
Wire Feed Resolution (Inches)	<0.00001"	<0.00001"	<0.00001"	<0.00001"	<0.00001"
Max wire feed speed (Meters)	156 m/min	149 m/min	145 m/min	137 m/min	135 m/min
Max wire feed speed (Feet)	511' f/min	488' f/min	475' f/min	451' f/min	442' f/min

## Cutter Specifications

Cutter Mechanism	Pneumatic	Pneumatic	Hydraulic	Hydraulic	Hydraulic
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\* Wire range down to 2mm with additional straightener

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For online videos visit:  
[www.youtube.com/wirebenders](http://www.youtube.com/wirebenders)

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