

AIM **AUTOMATED
INDUSTRIAL
MOTION**

CNC Spring Coiling Equipment and Services

High speed, quick change, precise, reliable spring coilers

Covering a wire range of 0.001" to 0.778"

Machine Controls

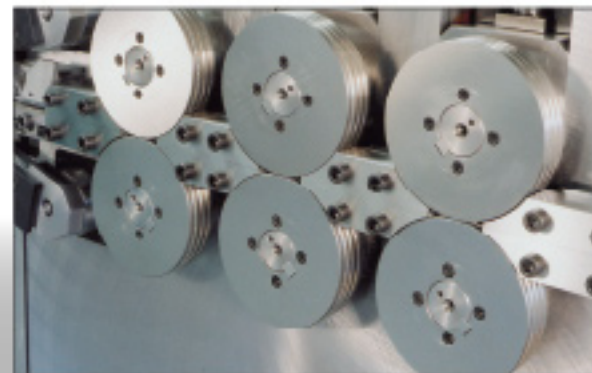
- Windows based software
- Industrial Touch Screen
- Hand jog wheel
- User friendly programming format
- Machine and part home sequences
- On-the-fly tool adjustments
- Total parts, part countdown and pounds of material required
- Automatically converts English and Metric
- Programmable I/O for interfacing with PLC's and auxiliary equipment

Mechanical

- High precision DuraBond Slides on all tooling axes
- Low inertia, high torque AC brushless servo motors on all axes
- In-line planetary gear reducers on feed and cutter axes
- Unique servo cut design provides maximum cutting force
- Precision linear actuators on all tooling axes
- Square tooling chucks for precise location
- Separate clamp on chuck and arbor
- True X-Y-Z linear motion
- Accepts industry standard tooling – prints available

Advantages

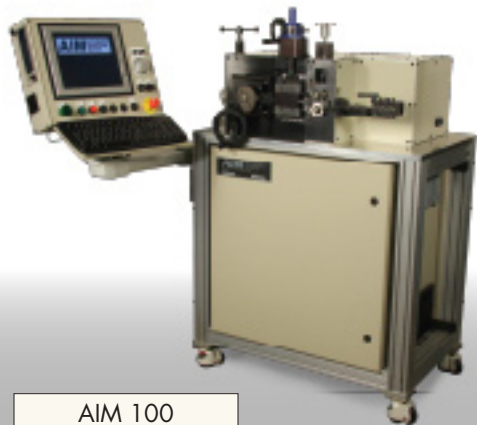
- Designed, built and serviced in the USA, Western Michigan
- Speeds up to 60,000 parts/hour
- Changeover times in less than 5 minutes
- Robust and reliable
- Turn-key systems are our specialty
- Custom machine designs available
- Privately owned and operated since 1985



High Speed Coilers

	Micro	AIM 100	AIM 1000	AIM 1500	AIM 2000	AIM 2500	AIM 3000	AIM 4000
Feed Speed (in/sec)	75	135	100	85	85	75	60	60
Max. Wire Size (in)	0.008	0.032	0.080	0.135	0.180	0.250	0.375	0.787
Min. Wire Size (in)	0.001	0.006	0.018	0.032	0.047	0.080	0.125	0.250
Feed Length	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Coil Diameter Range	3 Index to 0.375"	3 Index to 1.0"	3 Index to 1.75"	3 Index to 2.5"	3 Index to 3"	3 Index to 4"	5 Index to 5"	5 Index to 7"
Power (3 phase)	240 Volt	240 Volt	240 Volt	240 Volt	480 Volt	480 Volt	480 Volt	480 Volt
Dimensions								
Length (in)	30	30	36	60	68	84	84	108
Width (in)	24	24	28	36	40	60	60	96
Height (in)	60	60	60	72	72	72	72	96
Gross Weight (lbs)	1500	1,950	2,700	4,500	6,700	11,000	16,000	45,000

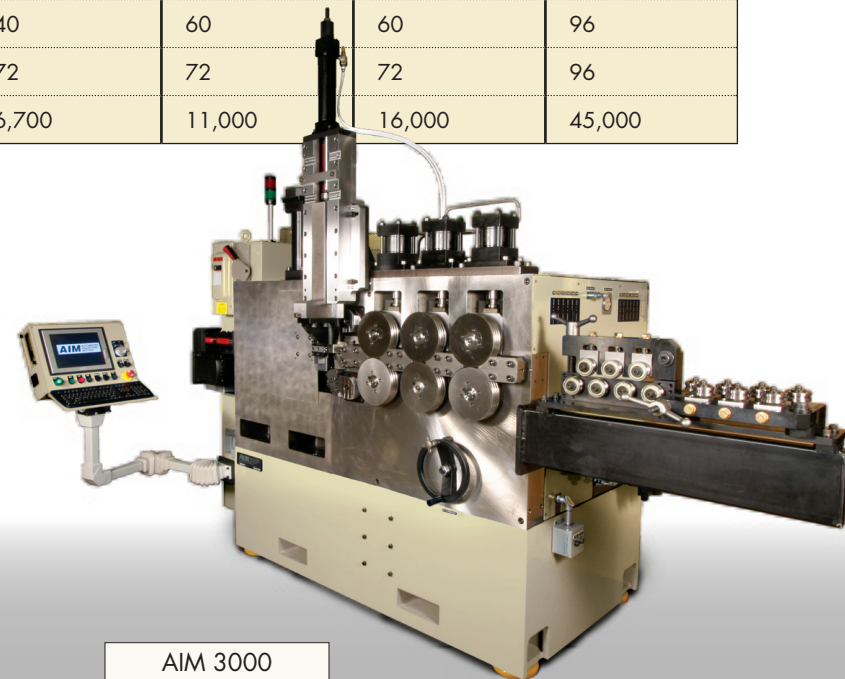
Coilers available in 4,5,6 Axes



AIM 100



AIM 2000



AIM 3000



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