
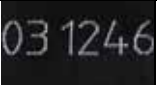




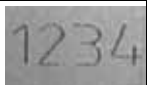


# CMT Columbia Marking Tools






## DOT-PEEN & SCRIBE

### Cross Reference Chart

Features	HandyAndy	EM100	EM150R	EM400	EM500	PMMA (L)	PMMAS
	Most economical dot-peen system	Perfect for moderate production dot-peen marking	Moderate production dot-peen marking on the OD	Dot-peen marking integration system	Dot-peen marking integration system with I/O	Industrial dot-peen marking system with I/O	Industrial "silent" scribe marking system
Marking Speed – Max per sec	3-4 (1/8") characters	4-5 (1/8") characters	4-5 (1/8") characters	4-5 (1/8") characters	4-5 (1/8") characters	5 (1/8") characters	3 (1/8") characters
Maximum Marking Window Size	3.15" x 1.97"	3.93" x 3.93"	3.93" x 3.93"	2.73" x 2.34"	2.73" x 2.34"	7.87" x 3.15"	2.35" x 1.59"
Mark Depth	.002"-.004"	.004"-.007"	.004"-.007"	.004"-.007"	.004"-.007"	.004"-.007"	.004"-.010"
Noise Level	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Silent
Automatic Z	NA	NA	NA	Custom	Custom	Custom	Custom
2-D Codes	Not Suggested	Not Suggested	Not Suggested	Not Suggested	Not Suggested	With Signumeric 2D Software	With Signumeric 2D Software
Square-Dot	NA	NA	NA	NA	NA	NA	With Signumeric 2D Software
Controls	PC Required (not supplied)	Serial interface only	Serial interface only	Serial interface only	Serial & I/O	Serial & I/O	Serial & I/O
Air	30-75 PSI (optional)	30-75 PSI	30-75 PSI	30-75 PSI	30-75 PSI	30-75 PSI	30-75 PSI
Circumferential Marking	With rotator and 3 <sup>rd</sup> axis control	NA	Rotator and 3 <sup>rd</sup> axis Control included	With Optional rotator and 3 <sup>rd</sup> axis control			
Special	Connects to USB on PC	Bench top stand included	Rotator removable	High torque stepper motors allow for installation in any orientation		3 Mounting sides for easy integration	
Sample Mark							

Additional information online at [www.columbiamt.com](http://www.columbiamt.com) includes complete operation guides,

## Cross Reference Chart

Features	DPS stepper	DPS Servo	DMM20	ILM	HMG60	PMMICRO A Hand Held
	Dot-Peen-Scribe ball screw drive with dual marking methods		Compact data matrix marker	In-Line-Marker marks moving parts	Hand Held compact marker	Hand Held industrial marker
Marking Speed – Max per sec	5 (1/8") char. (scribe)	10 (1/8") char. (scribe)	3 (1/8") characters	9.84" per second	3 (1/8") characters	5 (1/8") characters
Maximum Marking Window Size	60 – 1.63" x 2.3" 150 – 4" x 6" 300 – 8" x 12" 500 – 10" x 20"		.80" x .80"	NA	2.35" x 1.18"	2.35" x 1.59"
Mark Depth	Electric – .004"-.007" Air -.004"-.010"		.002"-.004"	.004"-.007"	.003"-.006"	.004"-.007"
Noise Level	Dot-peen = Moderate Scribe = Silent		Moderate	Moderate	Moderate	Moderate
Programmable Z	Optional		NA	NA	NA	NA
2-D Codes	With Signumeric 2D Software		Encryption software included	NA	NA	Not Suggested
Square-Dot	With Signumeric 2D Software		NA	NA	NA	NA
Communications	Serial & IO		Serial & IO	Serial & IO	Serial & IO	Serial & IO
Air	30-100 PSI (optional)		60-100 PSI	40-100 PSI	60-100 PSI (optional)	60-100 PSI
Circumferential Marking	With Optional rotator and 3 <sup>rd</sup> axis control		NA	NA	NA	NA
Special	Wide variety of options includes – extended heads and power upgrades for deeper marks		Robot or hand held applications	Fixed char. size in a single line. Only Multi-pin head.	Air or Electric	Rugged frame
Sample Mark						

Air powered scribe mark

Elec. powered mark

sample marks, custom applications and drawings. Or email requests to [info@columbiamt.com](mailto:info@columbiamt.com).