

# Spartanics M-500 Press with many Accessories

**Consistent accuracy within +/- 0.1 mm or better — every time!**

The M500 Steel Rule and Hard Tool Die Cutting System is a complete turnkey system that uses electro-optical sensors to scan and record registration marks at production rates up to 165 strokes per minute. You get consistent precision registration accuracy in X, Y, and Rotational axes within +/- 0.1 mm or better—every time!

The unique feature of re-registering in all three axes at every press stroke makes this the world's highest precision Steel Rule and Hard Tool Die Cutting System—within the two hairs' width that the human eye can see. Registration precision does not get any better than this!

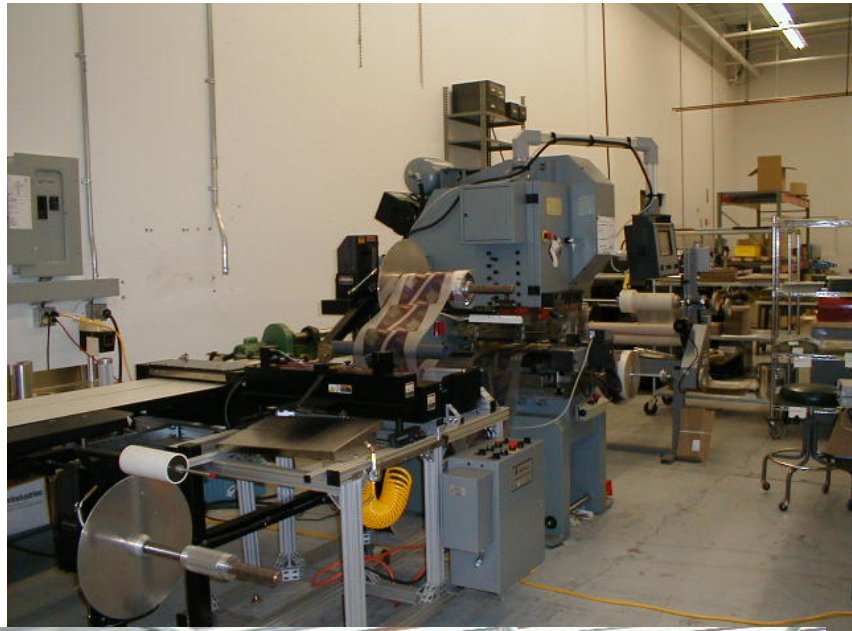
The M500 Steel Rule and Hard Tool Die Cutting System's modular design enables you to flexibly and efficiently configure the die cutting system for coil or sheet feed. Hard tooling configurations blank through to return parts to the web. Steel rule dies can kiss cut or through cut. This gives you the ultimate versatility to respond to evolving market demand for die cut innovations as unlimited as the human imagination.

A wide array of output modules provides maximum efficiency in parts extraction. You can die cut parts through and onto a conveyor, use a knockout station, or a versatile parts extractor, as the job requires. With coil applications, parts can be rewound on backing paper while the scrap matrix is removed.

The M500 Steel Rule and Hard Tool Die Cutting System runs in-line with digital printing presses and thermal and pressure roll laminating systems to give you continuous production lines and the finishing flexibility you need to make the new types of laminated and/or digitally-printed products that become more popular every day—from refrigerator magnets to promotional items to folding maps and more!

Building a niche in short runs? The M500 is the only high precision die cutting system that automatically re-positions steel rule dies, making job changeover a snap.

Available in standard format or wide format, the M500 Steel Rule and Hard Tool Die Cutting System cuts through a wide range of materials—paper, plastics, metal.

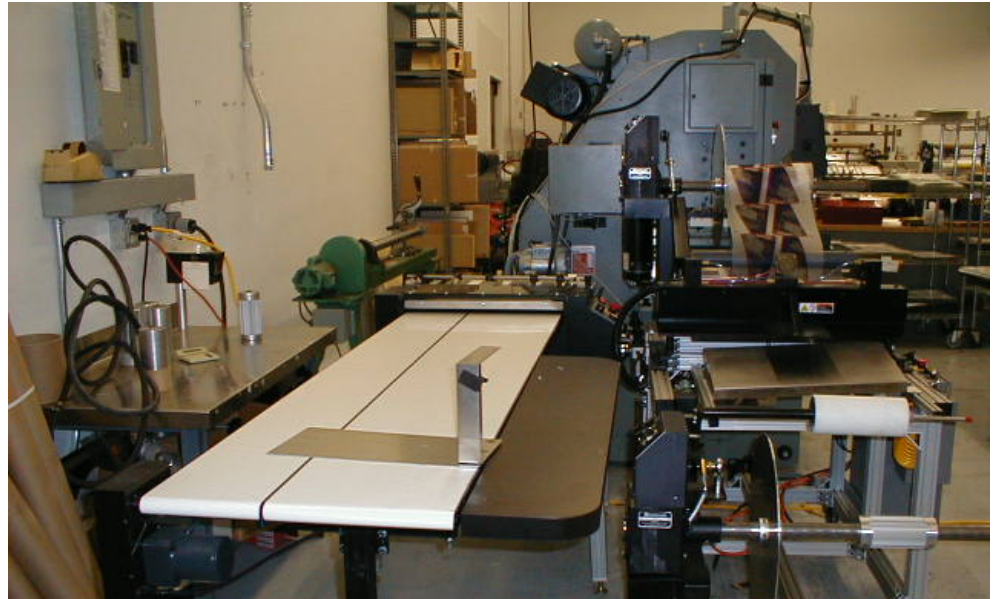


**SPARTANIC M-500 PRESS and TAKE-UP COIL**



**SPARTANIC M-500 PRESS and FEEDER COIL**

The Spartanic M500 Steel Rule and Hard Tool Die Cutting System modules can also be easily removed for servicing and replaced with loaner modules provided by Spartanic at no cost. With the Spartanic M500, punching or die cutting downtime becomes a thing of the past!



## **Features & Benefits**

**Electro-optical sensors scan registration marks up to 165 strokes/minute:**

- Highest production outputs

**Precise registration in X, Y, and Rotation axes with every press stroke:**

- Unsurpassed cut-to-print registration accuracy (+/- 0.1mm or better)

**Accommodates wide variety of tooling options and tooling from all major manufacturers:**

- Utilizes steel rule dies, male-female hard tool dies, progressive hard tool dies, and compound hard tool dies—provides versatility to create simple or complex and multi-featured die designs

**Modular design accommodates coil or sheet feed and a wide range of input and output mechanisms:**

- Flexibility for changing job requirements. Handles sheeted materials up to 730 mm (29”) x 760 mm (30”), and coiled materials up to 760 mm (30”) wide.

**Automatically positions steel rule dies:**

- Job changeovers in minutes

**Handles wide range of paper, plastic and metal materials:**

- Virtually unlimited capabilities to handle jobs for diverse markets

**Computer storage of jobs and automatic re-positioning of steel rule dies:**

- Quick changeovers with minimal scrap

**Multilingual and graphic icon touch screen:**



**SPARTANIC M-500 PRESS and STRIPPING TABLE**

**SPARTANIC M-500 PRESS and COIL SYSTEM SETUP**

- Easy-to-use with minimal operator training

**Fully automated handling mechanisms for input and finished parts:**

- Scratch-free products

**Equipment loaner modules provided at no cost:**

- No downtime during servicing

**Pre-set batch counts:**

- Efficient operation with minimal operator intervention



SPARTANICS	DIECUTTING	MODEL 500 STEAL RULE DIE BLANKING SYSTEM * 5 REEL DOUBLE SIDED PRESURE LAMINATOR * SLACK LOOP DETECTOR * 12" X 20" BLANKING AREA * M334 TRI-AX AUTOMATIC HIGH SPEED THREE AXIS REGISTRATION CORRECTION FEED * REWIND MODULE * REWIND MODULE TO STRIP * AIR ACTUATED SHEAR * 30 TON 15"DEEP THROAT MECHANICAL PRESS * 20" WIDE ACCUMULATING CONVEYER	SPARTANICS	500	
			PRESS	T-30	10374
			FEED ROLL	M1076	M1075
			STRIPPER & TABLE	517-4100	105
			TAKEUP ROLL	M1075	M1075