



DTMP Expands Capability with a Third 50” Press Feed System from Rowe Machinery

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ROWE National Sales & Marketing Manager

“Our Rowe lines give us the flexibility and capability to meet our customers ever changing demands,” states Don Tisdell, Facilities Manager at DTMP.

With the economy continuing to fluctuate, metal stampers are looking for maximum versatility and value in their new equipment purchases. Detroit Tool Metal Products (DTMP) in Lebanon, MO understands that in today’s tough economic conditions it pays to have production equipment that is current with today’s technology and innovations. Having cutting-edge technology in the press room allows DTMP the ability to bid a wide range of jobs and be very competitive with their bids. Advanced press room equipment complements DTMP’s other offerings such as a powder paint line, welding, press brakes, laser cutting, assembly, engineering with Pro E and Autocad, thus allowing the company to supply true, value-added parts to their customer base.

User-friendly equipment handles a broad range of applications

When it came to supplying their press room with state-of-the-art coil handling equipment they looked to Rowe Machinery, a division of Formtek Maine, located in Clinton, ME, to supply an automated 50” press feed system to be used with their existing 1500-ton press. The system they were looking for had to complement the two existing Rowe 50” press feed systems, feeding 800-ton and 1000-ton presses, in operation at DTMP and provide flexibility to handle a broad range of material processing capacities.

The decision to purchase another Rowe system was based on the successful track record that DTMP has had with two previously purchased Rowe lines.



Two Existing Rowe Press Feed Systems

DTMP’s new Rowe line is installed in their 250,000 sq. ft., Lebanon, MO facility which is staffed with 270 highly trained employees and is a leader in full-service precision metal stamping and fabrication for a broad range of markets that include the appliance, agriculture, consumer products, class 8 trucking, heavy equipment and recreational products.

The latest Rowe system was selected by DTMP to further broaden their stamping capability offerings for their customer base. The system needed to process material 50” x .165”

(20" x .250") x 12,000 lbs. and also accommodate critical material applications.

To maintain maximum versatility, Rowe supplied a conventional coil handling system consisting of a servofeed, threading tables, powered straightener, stock reel and coil car with the following features to add further diversity to DTMP's ability to stamp a wide variety of materials:

SERVO FEED:

Four roll servo feed supplied with matte chrome rolls for better part length accuracy. End of stock detector mounted at the servo feed to take system out of auto for tail out of coil. Adjustable height cabinet base with powered passline height adjustment and powered clamp to press to allow for varying tool heights. Independent crank adjust edge guides for coil location and ability to run jobs off center. Micarta surfaces on all contact points to prevent marking the material. Automatic lubrication system to ensure proper lube is supplied as needed.

THREADING TABLES:

Full width double sided threading tables with micarta surface to support material for thread up and tail out operations. When not in use they also act as a safety barrier around the looping area.

STRAIGHTENER:

Matte chrome pinch rolls and smooth chrome straightening rolls in the straightener to protect against marking of material. Powered high rise head for quick and easy access to clean the work rolls. Automatic lubrication system to ensure proper lube is supplied as needed. Peeler threader table with extendable blade for hands free thread up of material. Consolidated control platform with thread up assistance screens, maintenance screens and complete diagnostic package.

STOCK REEL:

Hydraulic mandrel expansion for quick and easy coil loading. Hydraulic inching drive for hands free thread-up of coils. Hold down arm with rider roll to prevent any clock springing of material. Coil confining chute for added operator safety. Tie brackets to straightener to allow for easy installation with proper alignment.

COIL CAR:

Rotating top to allow coil to be loaded 90 degrees to line operation. Laser sensor for quick coil positioning onto mandrel based on width of coil. Micarta surface on car top to prevent marking of material.

All of these features allow for easy operation with one operator and allow a wide range of materials to be processed without any marking. These features also allow DTMP to bid a large variety of complex part specifications from their customers and know they have the proper equipment to process the job specific requirements.



New 50" Rowe Press Feed System

For more than 50 years, DTMP has provided economically viable quality custom parts, subassemblies, and precision parts. With the installation of the third new Rowe press feed system, DTMP has the ability to process a very wide range of materials and supply complex value-added parts. The advanced capabilities of the company, due in large part to its Rowe press feed systems, makes DTMP a logical and economical choice for manufacturers in need of quality stamped parts.

For more information regarding Detroit Tools Capabilities please contact:

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Rowe's 85,000 Sq. Ft. Facility in Clinton, Maine

ROWE Machinery is a division of Formtek Maine, an industry leader in coil processing equipment with over 58 years of experience and innovation. Our 85,000 sq. ft. facility is designed to maximize production efficiencies. Rowe also offers a 24/7 service program which allows for direct contact to a trained service technician. From a simple servo feed requirement, to a fully automated press feed system, or a fully automated cut-to-length system, Rowe has a cost effective solution to meet your needs!

For more information about ROWE coil processing equipment contact:



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